# Technical Report No. 32-964

# Ranger VII Photographic Parameters

W. E. Kirhofer
D. E. Willingham

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PASADENA, CALIFORNIA

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JET PROPULSION LABORATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA, CALIFORNIA

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#### **ABSTRACT**

Photographic parameters necessary for detailed interpretation of the *Ranger VII* pictures are listed for all of the A- and B-camera photographs and for selected P-camera photographs. Parameter accuracies and the method of data generation are discussed.

#### i. INTRODUCTION

This Report is intended as a supplementary tool for use in the analysis of the Ranger VII photographs of the Moon. As such, it contains a comprehensive list of the photographic parameters necessary for the detailed interpretation of the unrectified Ranger VII photographic atlases and film strips. The intent is to supply data in a form useful to the largest possible audience, including those who do not have photographic facilities at their disposal for rectification of the pictures. However, addi-

tional data are supplied for use in reproducing the object scene geometry.

A brief description of the method, assumptions, and accuracies which characterize the computation of the tabular photographic data is given. Each block of tabular data is identified by a tabular data number, the atlas frame number (if appropriate), and the frame number appearing on the original film recording of the mission.

## II. THE RANGER TELEVISION SYSTEM

The Ranger Block III spacecraft television system contained six cameras, divided into two separate channels designated F and P. The complete system has been discussed adequately in the Ranger atlas series; however, the camera characteristics are repeated here (Table 1).

The reticle pattern deposited on the faceplate of each vidicon differed for the F and P channels. The reticle patterns and the associated dimensions of the F-channel cameras are shown in Fig. 1. Because of the decreased target size used for the P cameras, the reticle pattern

Table 1. Camera characteristics

			Co	amera		
Characteristic	A	В	P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	P4
Focal length, mm	25	76	76	76	25	25
f number	1.0	2.0	2.0	2.0	1.0	1.0
Frame time, sec	2.56	2.56	0.2	0.2	0.2	0.2
Horizontal frequency, cps	450	450	1500	1500	1500	1500
Exposure time, msec	5	5	2	2	2	2
Field of view," deg	25	8.4	2.1	2.1	6.3	6.3
Target size, mm	11	11	2.8	2.8	2.8	2.8
Scan lines	1150	1150	300	300	300	300
Time between frames, sec	5.12	5.12	0.84	0.84	0.84	0.84

<sup>\*</sup>The actual field of view in one direction was somewhat smaller than the given numbers because of the presence of a mask at the edge of the vidicon target which was used to determine scene black on each scan of the electron beam.

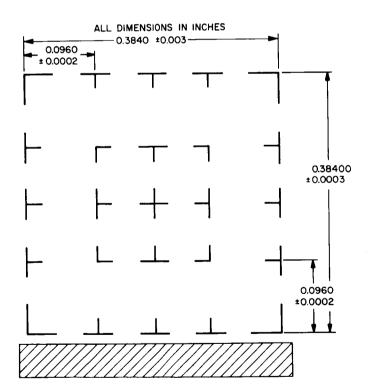


Fig. 1. Reticle dimensions for F-channel cameras

was designed differently. The pattern type and dimensions are shown in Fig. 2.

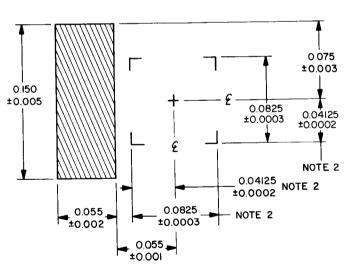


Fig. 2. Reticle dimensions for P-channel cameras

In some cases, it was necessary to use a vidicon tube with an F-type reticle pattern for a P camera. In these instances, only the center reticle is visible, as all other reticles fall outside the P-camera target area. This was the case for the Ranger VII P<sub>1</sub> camera.

## III. METHOD OF COMPUTATION OF SPACECRAFT-PHOTOGRAPH PARAMETERS

#### A. Computer Program Description

The photographic data contained in this Report were generated by a computer program which uses a hyperbolic approximation to the spacecraft trajectory near impact (Ref. 1). Knowledge of the attitude-sensor locations within the spacecraft and the sensor stimuli locations (Sun and Earth) in Moon-centered coordinates permitted computation of the spacecraft orientation. The oscillations and motion of the spacecraft as determined by the telemetry data were incorporated as a correction to the calculated orientation. Preflight calibration data were utilized to provide an initial determination of the camera system pointing direction in terms of spacecraft coordinates. The computer program spacecraft-camera model could then be used to compute the location of any picture point on the lunar surface in terms of lunar latitude-longitude coordinates.

For accurate photographic parameter computations, however, one cannot rely completely on preflight calibration data, and a verification or derivation of the camera parameters from the flight data is necessary. Among these camera parameters are camera cycle time, focal length, vidicon target dimensions, and true camera orientation within the spacecraft. With the knowledge of these parameters and the indicated spacecraft characteristics, the mapping from the Moon to the camera vidicon surface is then completely specified.

## **B.** Solution for Camera Parameters

The camera cycle time during actual flight could be verified by postflight examination of the magnetic tapes which recorded the data, along with an accurate 1-Mc time base signal. The postflight determinations of cycle time yielded values that deviated less than 0.01% from the design value; however, the postflight values were still used in the computations. Because of shutter stroke unknowns, the time at which the last picture was exposed could be determined no more accurately than  $\pm 0.002$  sec. This value may be of some consequence in the computations for the last picture parameters but certainly is of little significance for all other picture computations.

The preflight evaluation of the camera pointing directions within the spacecraft may not be representative of flight alignment for several reasons, among which are accuracy of original data, biases in the spacecraft sensor system, and launch vibrations. During the construction

of their series of Ranger lunar maps, the Aeronautical Chart and Information Center\* determined the latitude-longitude of the surface point covered by the central reticle from each camera at various times during the descent. These data were used by JPL to solve for the pointing direction of each camera that would best fit the observed data. All corrections were made by changing the pointing direction of the camera within the space-craft coordinate system. The magnitude of shift of the pointing directions as compared to the preflight values was about 0.5 deg. Note that this procedure does not separate misalignment effects due to attitude-sensor biases from camera misalignment, but does allow a combined correction for both types of errors.

Measurements from the film data showed a variation in the dimensions from reticle to reticle of up to 6%. These variations were found by comparing the distance between two reticles at different locations within the frame. The 6% variation applied, usually, to measurements made in widely separated areas of the frame and may have been due to local nonlinearities in scanning rate, or other camera electronic characteristics. It remained to be determined, however, whether these variations could be caused by inaccuracies in the placement of the reticle pattern on the vidicon surface and, finally, what the true focal length of each camera was. One could not, of course, solve independently for the reticle locations and focal lengths.

It was necessary to obtain additional data from the Aeronautical Chart and Information Center, this time in the form of surface points covered by the corner reticles of each camera during descent. Assumption of a focal length then made possible a best fit of the data to solve for the reticle location on the vidicon surface. It was found from these data that for a selected focal length, the reticles on the F cameras were within  $\pm 0.06$  mm (1  $\sigma$ ) of their theoretical location, with the mean value very close to the theoretical position. Because of the small fields of view on the P cameras, the data scatter was large, but the mean values of the solution for these reticles remained very close to the theoretical values. Even though the data scatter in all cases was larger than one would desire, the distributions were such as to give high confidence in the theoretical reticle positions. Thus, it was assumed that the reticles were deposited accurately.

<sup>\*</sup>United States Air Force, St. Louis, Missouri.

One should note that the readout linearity specification of the camera system was 2% of the picture dimension, which, in extreme cases, could give reticle-to-reticle variations on the order of 6 to 8%. In the course of the above solutions, the rotation of the individual cameras with respect to their theoretical locations was also obtained.

Assumption of the reticle locations as correct, then, made possible the solution of the camera focal distance from vidicon surface to lens exit pupil that best fit the observed data. Again, the data scatter was rather large for the narrow-angle cameras. The focal lengths of three lenses were measured prior to flight, and upon comparison of the preflight and empirically derived postflight values, it was found that they agreed quite well (see Table 2).

Table 2. Pre- and postflight focal-length determinations

Camera	Focal distance, mm determined from flight data	Preflight lens focal length, mm
A	25.64 ± 0.25	No measurements
В	74.62 ± 0.75	74.8
P <sub>1</sub>		74.8
P <sub>2</sub>	74.61 ± 4.5	74.65
$\mathbf{P}_3$	26.1 ±1.6	No measurement
P.	26.1 ± 1.6	No measurement

The data scatter is reflected in the tolerances listed for each focal distance. A nominal value for the Angenieux 25-mm lens was found to be 25.75 mm; unfortunately, individual measurements were not made on the *Ranger VII* A, P<sub>3</sub>, and P<sub>4</sub> lenses. Camera P<sub>1</sub> had no corner reticles, so that no postflight determination could be made.

## C. Assumptions and Accuracies

It has been assumed thus far that the trajectory can be approximated by a hyperbolic path (where the parameters are matched at impact with the true path), and that the theoretical reticle locations and the preflight measured focal lengths are correct. One other assumption made of necessity for the table generation was that of the Moon being a spherical body of radius equal to that chosen for the impact location.

The assumptions of the reticle locations and focal lengths were previously shown to have been reasonable, at least in comparison to the observable data scatter.

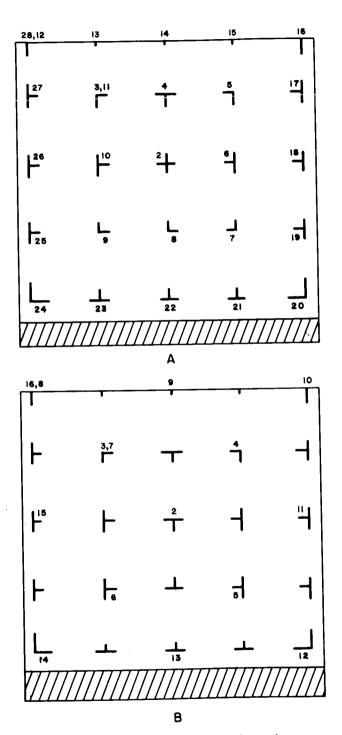


Fig. 3. Reticle number assignment, F-channel cameras

A comparison study of hyperbolic trajectory approximation to the integrated trajectory model has shown differences in altitude and time computations of less than 0.01% in the worst case. Finally, since all the computations were referenced to zero time at impact, and since the trajectories were steep with respect to the surface altitude variations, the assumption of a spherical Moon caused negligible errors.

Further, the impact point specified by the Aeronautical Chart and Information Center has been used. No uncertainties have been quoted for this point, but the latest orbit determination from tracking data gives a 1- $\sigma$  uncertainty ellipse of 0.10  $\times$  0.03 deg semimajor and -minor axis dimensions and a value of 0.10 deg magnitude difference from the ACIC point.

#### D. Location of Points Within Each Camera Frame

In determining the points within each frame for which to compute photographic parameters, it is logical to use the reticle locations. Sets of such points were chosen, and each reticle for which calculations were made was given a number which corresponded to a point number in the tabular data (see Figs. 3 and 4).

A special problem arose, however, where a reticle was only partially shown or where no corner reticles existed (as in the case of camera P<sub>1</sub>). For a partial reticle, the point was chosen at the intersection of the reticle and the edge of the frame. In the case of camera P<sub>1</sub>, points were selected at the two corners opposite the mask, and two other points were constructed as shown in Fig. 4.

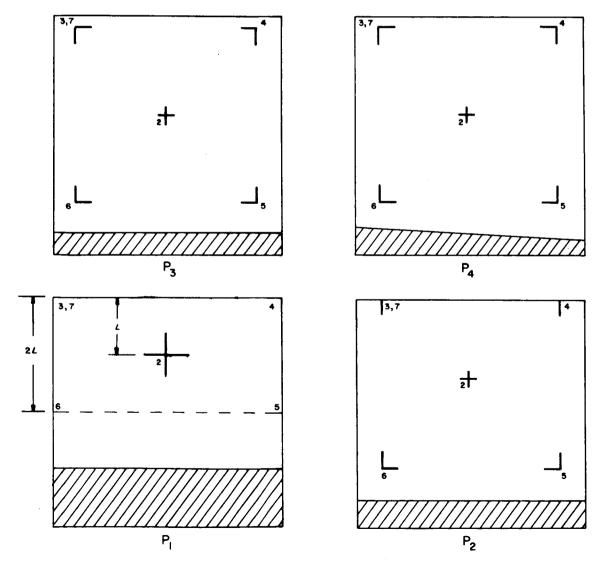


Fig. 4. Reticle number assignment, P-channel cameras

## IV. CONTENT OF TABLES

# A. Time- and Camera-Independent Parameters

The first page of the tabular data lists those quantities which are essentially time- and camera-independent for the duration of the picture-taking sequence. These quantities are particularly useful in reconstructing the object scene geometry on, say, a spherical globe (Fig. 5).

Subsolar point—the selenocentric latitude and longitude of the surface point intersected by the vector from the center of the Moon to the Sun.

Sub-Earth point—the selenocentric latitude and longitude of the surface point intersected by the vector from the center of the Moon to the center of Earth.

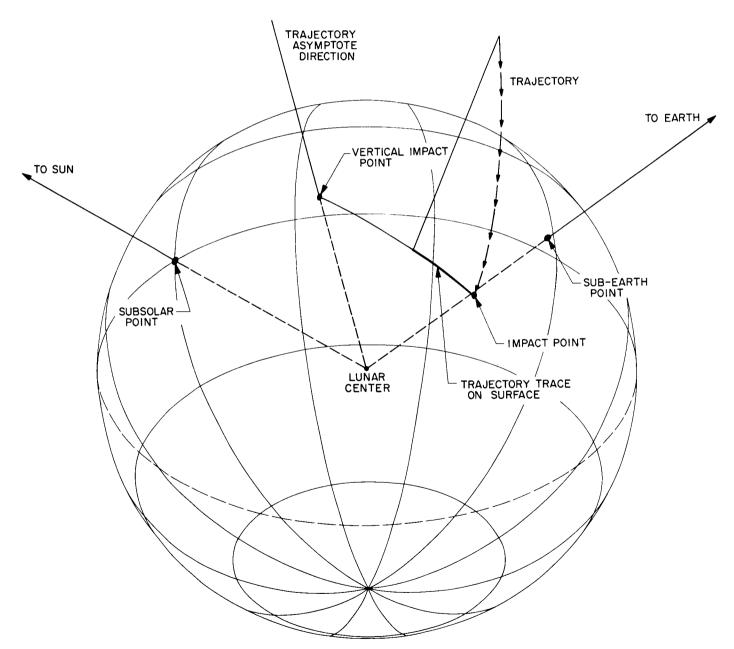


Fig. 5. Definition of subsolar, sub-Earth, and vertical impact points

Vertical impact point—the selenocentric latitude and longitude of the surface point intersected by the vector from the center of the Moon which describes the asymptotic direction of the spacecraft trajectory.

# B. Time- and Camera-Dependent Parameters

The main body of the tables consists of data blocks pertaining to each picture listed. Each data block is divided into three sub-blocks or subgroupings:

- 1. Frame identification
- 2. Trajectory data
- 3. Photo data

#### 1. Frame Identification

The parameters listed specify the photograph for which the data are generated.

TAB NO.—a number used to identify the table frames. The numbering starts at 1 and increases sequentially for each frame.

ATLAS NO.—the number that identifies, and is assigned to, those frames which appear in the Ranger atlas series. In the Ranger VII A and B atlases, the PHOTO NO. and ATLAS NO. are identical. In all other atlases, this is not the case.

POD NO.—the number of the frame as it appeared in the *primary original mission data*. In all cases, calculations are made for the last frame from each camera, so that the position of the frame in the overall sequence from camera initiation to impact is easily computed.

GMT-Greenwich Mean Time at which the photograph was exposed. This time is assumed to be known within  $\pm 0.005$  sec.

## 2. Trajectory Data

Trajectory data are those data necessary to describe the position and direction of movement of the spacecraft with respect to the Moon. The parameter headings are listed and explained below.

SEC TO IMPACT—the interval of time prior to spacecraft impact (seconds).

ALT—the spacecraft altitude above the surface of the Moon (kilometers). A spherical Moon of radius equal to that of the impact location is assumed.

LAT, LON—the subspacecraft point (degrees); i.e., the selenocentric latitude and longitude of the surface point intersected by the vector from the center of the Moon to the spacecraft.

R-the magnitude of the vector from the center of the Moon to the spacecraft (kilometers).

V-the spacecraft Moon-fixed velocity magnitude, i.e., with respect to the Moon's surface (kilometers per second) (Fig. 6).

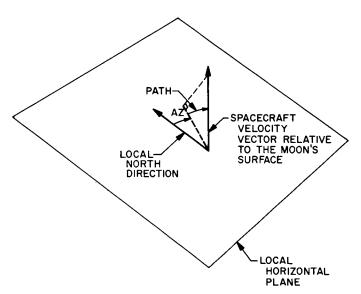


Fig. 6. Definition of path and azimuth angles

PTH-the angle between the Moon-fixed velocity vector and the local horizontal plane, positive upward (degrees) (see Fig. 6).

AZ—the azimuth direction of the projection of the Moon-fixed velocity vector into the local horizontal plane referenced to the local north direction, positive east of north (degrees) (see Fig. 6).

#### 3. Photo Data

The parameters in this sub-block are a function of both photograph number and position within the photograph. For this reason, several points within the frame format are specified, and parameter values are derived for each of these points. The points within each camera format

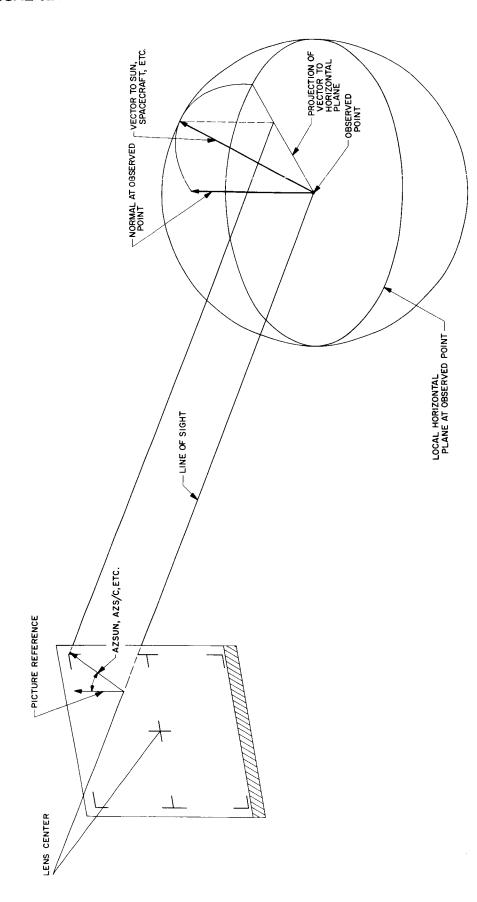


Fig. 7. Definition of azimuth directions

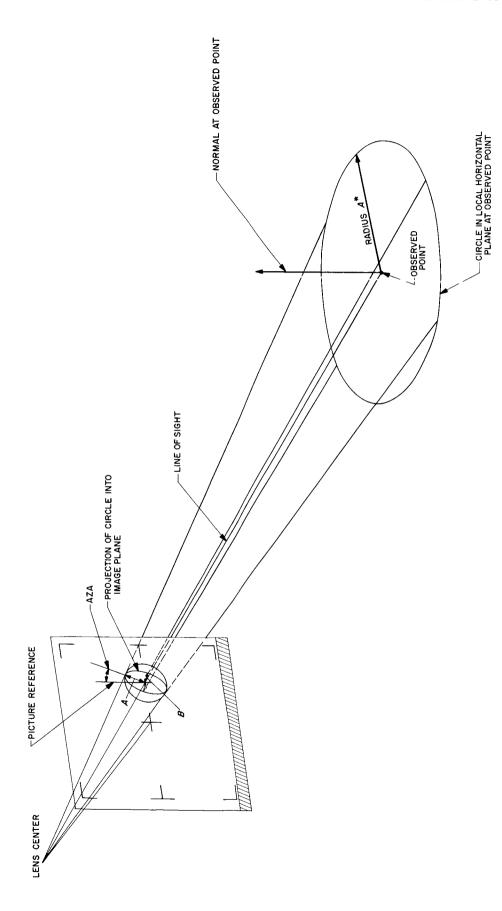


Fig. 8. Mapping of a circle into image plane

are taken at the reticle locations. Figures 3 and 4 identify the point number associated with each reticle of the Ranger VII cameras. In some cases, data are not derived for all reticles. Note also that the number 1 is not used to identify the reticles; this number is assigned to the velocity vector and, when it appears in the table, the velocity vector is within or near the field of view of the camera. The specification of this point, then, locates the point of zero image motion within the frame.

The parameters for which calculations are made at each picture point are described below. In all that follows, a spherical Moon with radius equal to that of the impact location is assumed.

The user is cautioned that angles are not preserved in the rectification of photographs. Thus, the angular values given in these tables are valid only for the unrectified *Ranger* pictures.

PT—the point number or reticle for which the calculations are made (see Figs. 3 and 4).

LAT, LON—the surface point selenocentric latitude—longitude coordinates covered by the reticle (degrees), hereafter referred to as the *observed surface point*.

RANGE—the distance from the camera to the observed surface point (kilometers).

AZ S/C—the picture-plane azimuth angle to the spacecraft, with respect to the picture reference and positive clockwise (degrees). This azimuth is found by obtaining the projection of the observed-surface-point-to-spacecraft vector into the local horizontal plane, and then mapping the projection into the picture or image plane (Fig. 7).

AZN—the picture-plane azimuth angle to true lunar north, with respect to the picture reference and positive clockwise (degrees). This azimuth is found by obtaining the projection of the lunar-center-to-north-pole vector into the local horizontal plane and then mapping the projection into the picture plane.

AZSUN—the picture-plane azimuth angle to the Sun, with respect to the picture reference and positive clockwise (degrees). This azimuth is found by obtaining the projection of the lunar-center-to-Sun vector into the local horizontal plane and then mapping the projection into the picture plane (see Fig. 7).

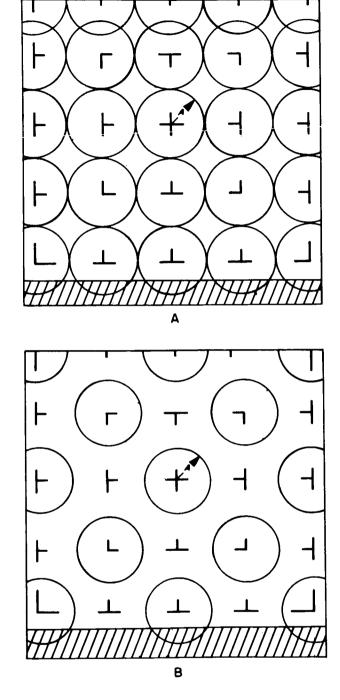


Fig. 9. Possible loci of semimajor axes of length A, resulting from mapping of surface circle with radius A\*

The following quantities describe the "skewness" of the photographs. In particular, these quantities detail the manner in which a circle on the surface, centered at the observed surface point, is mapped into an ellipse in the picture plane (Fig. 8). AZA—the picture-plane azimuth angle to the major axis of the ellipse resulting from the mapping of a circle on the surface into the picture plane, with respect to the picture reference and positive clockwise (degrees).

 $A^*$ —the radius of the circle on the surface that, upon being mapped into the picture plane, results in an ellipse of semimajor axis A ( $A^*$  in kilometers). In the case of the Ranger A and B cameras, the picture ellipse dimension A (Fig. 9) is specified as one-half the distance to the adjacent reticle. In the P cameras, the dimension A is related to the "base dimension"

sion" d as defined in Fig. 10. In Figs. 9 and 10, circles of radius A are circumscribed about each reticle for which data are derived. These circles indicate the locus of end points to which the semimajor axis of the ellipse resulting from imaging the surface circle of radius  $A^*$  will map.

B/A—the ratio of the semiminor to the semimajor axis of the ellipse resulting from the mapping of a circle on the surface into the picture plane.

The following quantities are useful for reproducing the photometric geometry and for photometric-brightness-to-slope conversions.

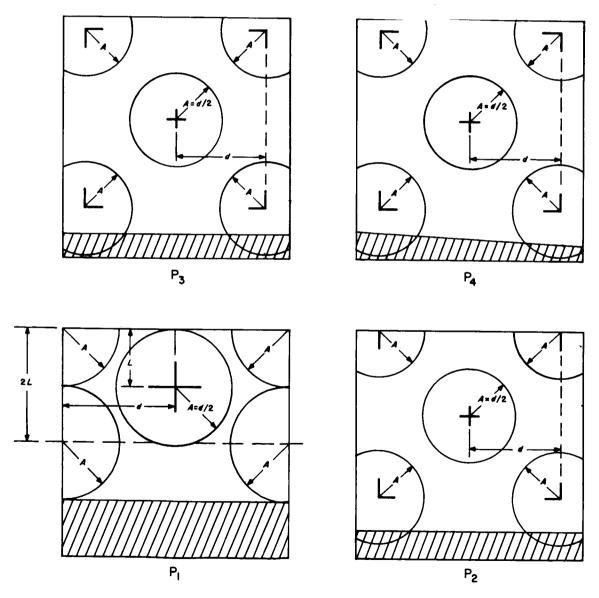


Fig. 10. Definition of base dimension d and possible loci of semimajor axes of length A, resulting from mapping of surface circle with radius A\*

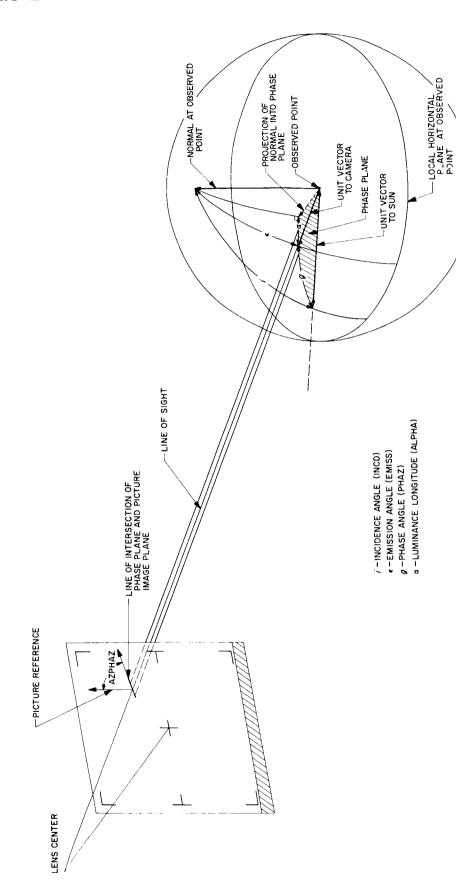


Fig. 11. Definition of AZPHAZ and photometric angles

AZPHAZ—the picture-plane azimuth angle to the phase plane, with respect to the picture reference and positive clockwise (degrees). This azimuth represents the line of intersection of the plane containing the phase angle (i.e., the phase plane) and the picture image plane. This is the only direction in which the picture may be scanned to derive exact elevation data when the two-angle lunar photometric function (Refs. 2 and 3) is used (Fig. 11).

INCD—the light incidence angle (degrees); i.e., the angle formed by the local normal (assuming a spherical Moon) and the vector from the observed surface point to the Sun.

PHAZ—the phase angle (degrees); i.e., the angle formed by the vector from the surface point to the Sun and the vector from the surface point to the camera.

EMISS—the emission angle (degrees); i.e., the angle formed by the local normal (assuming a spherical Moon) and the vector from the surface point to the camera.

ALPHA—the luminance longitude angle (degrees). This angle is the projection of the emission angle into the phase plane, with a sign convention applied. The angle is negative if it overlaps the phase angle and positive otherwise. The lunar photometric function is commonly written as a function of this angle and the phase angle.

The final two parameters of the table are used to provide a separate scaling technique from that of the surface circle mapping.

SCALE and PT to PT-the surface arc distance between the two points listed (kilometers).

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- Rindfleisch, T. C., A Photometric Method for Deriving Lunar Topographic Information, Technical Report No. 32-786, Jet Propulsion Laboratory, Pasadena, California, September 15, 1965.
- Willingham, D. E., The Lunar Reflectivity Model for Ranger Block III Analysis, Technical Report No. 32-664, Jet Propulsion Laboratory, Pasadena, California, November 2, 1964.

# TIME- AND CAMERA-INDEPENDENT PARAMETERS

#### SUBSOLAR POINT

Latitude

Longitude

0.943°N

87.577°W

## SUB-EARTH POINT

Latitude

Longitude

5.845°N

5.171°W

## VERTICAL IMPACT POINT

Latitude

Longitude

5.572°N

53.669°W

#### TIME- AND CAMERA-DEPENDENT PARAMETERS

RA-VII CAMERA FA

JULY 31,1	964 13 H	R 8 MIN 52	SEC 561	MS	7	AB NO	1	ATL	AS PHOTO	NO.	1	POD S	EQUENCE NO	8
TRAJECTO	RY DATA				SEC TU		ALT 2095.91858	LA 8 -3.		ON	R 3831 37	r 1 03v	PTH -74.755 11	AZ
PHUT O DA								• ••		•	3031.31	,,,,,	144133 11	. 1.031
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A	AZPHAZ		PHAZ EMIS		SCALE	PT-PT
1 -12.184 2 -13.099		2283.44547 2155.76868	-8.4 -26.2	7.2 5.2	~76.1 -78.8	75.5 63.8	104.13083				38.2 35.5	31.7	0.	0- 1
3 -6.554		2102.22369	28.4	2.0	-80.5	78.2	102.45143 98.76499		-90.1 -85.5	28.2	47.4 20.2 53.0 6.6	9.2	380.10772 290.98833	1- 2 2- 3
4 -6.221		2112.00934	-56.4	3.8	-81.8	51.6	99.90674		-85.1		47.6 10.5	-2.7 9.3	199.04560	3-4
5 -5.866		2166.08078	-74.3	5.4	-82.6	34.7	101.96115		-84.6		42.2 21.9	21.6	208.93931	4-5
6 -12.882		2213.96072	-49.2	8.4	-81.2	48.2	104.71918	0.884	~90.1		42.0 28.3	22.1	214.17325	5-6
7 -20.723	-21-416	2321.45020	-34.7	12.9	-81.0	57.3	109.32460		-95.7	68.0	42.3 38.8	21.1	241.43122	6- 7
8 -20.749 9 -20.974		2254.02603 2241.16312	-16,4 6.0	7.3	-77.0 -72.7	70.9	106.62397		-95.2		47.7 32.7	7.1	226.15709	7- 8
10 -13.382		2145.16257	10.0	1.6	-76.1	86.6	105.49186		-94.8 -90.1		53.0 31.3 52.8 18.4	-6.2	212.46480	8- 9
11 -6.554		2102.22369	28.4	2.0	-80.5	78.2	98.76499		-85.5		53.0 6.6	-3.3 -2.7	230.04864	9-10
12 -1.204		2130.79425	107.2	1.6	-84.8	37.4	97.94574		-82.1		58.7 15.5	-15.3	259.08221	
13 -0.897		2100.28665	146.0	2.3	-84.9	67.7	96.30054		-81.5		53.5 5.5	-3.7	196.38128	
14 -0.519		2110.15698		2.9	-84.8	33.3	98.60537		-80.7		48.2 9.9	8.0	196.65871	
15 -0.053 16 0.540		2163.20111		3.2	-84.3	17.9	100.66050		-79.9		42.9 21.5	19.9	206.28608	
17 -5.470		2274.05389	-98.1 -79.9	3.3 6.8	-83.3 -83.1	10.7 24.3	104.08575		-78.8		37.8 34.1	32.6	228.91982	
18 -12.741		2331.35843	-61.3	11.5	-83.5	36.7	108.73169		-84.0 -90.2		37.0 34.6 36.6	34.5 35.8	183.06855 224.08691	16-17
19 -20.968		2460.62994	-47.5	18.4	-85.8	46.2	114.29927		-96.3		37.0 48.9	36.6	259.89116	
20 -31.576		2720.9795B	-37.9	31.1	-93.2	> 1.4	124.17100		102.2	82.6	38.0 63.2	39.3	354.05948	
21 -30.396		2521.86279	-26.3	21.3	-83.5	63.8	117.18975	0.620	-101.1	72.3	43.1 52.7	18.6	311.93621	
22 -30.038		2432.6G071	-11.8	11.5	-77.1	75.6	113.50108		-100.1		48.4 47.1	2.2	247.33683	
23 -30.167 24 -30.733		2414.42651	4.3 19.8	1.3 -9.4	-71.3 -64.9	68.5	112.07205		-99.3	57.4	53.6 45.8	-12.6	226.37333	
25 -21.390		2278.47717	26.7	-4.4	-67.6	11.9	112.55174		-98.7 -94.4		58.8 48.8		227-54877	
26 -13.735		2178.84552	40.1	-1.8	-72.4	15.6	101.63134		-90.1		58.3 35.0 58.2 23.8		284.23308 232.13740	
27 -6.876		2133.84204	68.9	0.1	-78.6	21.9	99.13482		-85.8		58.3 16.1		207.77953	
28 -1.204	-44.030	2130.79425	107.2	1.6	-84.8	37.4	97.945/4		-82.1		58.7 15.5		171.80571	
JULY 31,1	964 13 HI	R 8 MIN 57	SEC 681	MS	1	AB NO	2	ATL	AS PHOTO	ON C	2	POD S	SEQUENCE NO	10
JULY 31,19 TRAJECTOR		R 8 MIN 57	SEC 681	MS	SEC TO	IMPACT	AL T	LA	T L	(1 <b>N</b>	Ř	v	PTH	AZ
TRAJECTO	RY DATA	R 8 MIN 57	SEC 681	MS		IMPACT	_	LA	T L	(1 <b>N</b>	Ř	v	•	AZ
TRAJECTOR	RY DATA				SEC TO 1011.	IMPACT 119	ALT 2086.35226	LA 5 -3.	T L 322 -35	(IN .712	R 3821.80	V 3 1.938	PTH -74.728 11	AZ 7.026
TRAJECTO	RY DATA	R 8 MIN 57  RANGE 2273.19089	SEC 681 AZS/C -8.5	AZN	SEC TO	IMPACT 119 AZA	ALT 2086.35226	LA 5 -3. B/A	T L 322 -35 AZPHAZ	(IN .712 INCD	R 3821.800	V 3 1.938 ALPHA	PTH -74.728 11 SCALE	AZ 7.026
TRAJECTOR PHOTO DAT PT LAT 1 -12-1/5 2 -13-099	CY DATA  LON -17.386 -30.155	RANGE 22 <b>73</b> .19089 2146.19238	AZS/C -8.5 -26.2		SEC TO 1011. AZSUN -76.1 -78.9	IMPACT 119 AZA 75.4 63.8	ALT 2086.35226	LA 5 -3. 8/A 0.899	T L 322 -35	(IN .712 INCD 70.7	R 3821.80	V 3 1.938	PTH -74.728 11	AZ 7.026
TRAJECTOR PHOTO DAT PT LAT 1 -12.1/5 2 -13.099 3 -6.582	LON -17.386 -30.155 -37.266	RANGE 2273-19089 2146-19238 2092-64862	AZS/C -8.5 -26.2 27.8	AZN 7.1 5.2 2.0	SEC TO 1011. AZSUN -76.1 -78.9 -80.5	IMPACT 119 AZA 75.4 63.8 78.0	ALT 2086.35226 A* 103.66773 101.99633 98.31562	LA 6 -3. 8/A 0.899 0.938	T L 322 -35 AZPHAZ -93.1	(IN .712 INCD 70.7 58.5	R 3821.800 PHAZ EMIS 38.2 35.5	V 3 1.938 ALPHA 31.6	PTH -74.728 11 SCALE 0.	AZ 7.026 PT-PT 0- 1
PHUID DAT PT LAT 1 -12-1/5 2 -13-099 3 -6-582 4 -6-251	LUN -17-386 -30-155 -37-266 -30-691	RANGE 2273.19089 2146.19238 2092.64862 2102.54904	AZS/C -8.5 -26.2 27.8 -56.4	AZN 7.1 5.2 2.0 3.8	SEC TO 1011. AZSUN -76.1 -78.9 -80.5 -81.8	IMPACT 119 AZA 75.4 63.8 78.0 51.6	ALT 2086.35226 A* 103.66773 101.99633 98.31562 99.45919	LA 6 -3. 8/A 0.899 0.938 0.998	T L 322 -35  AZPHAZ -93.1 -90.1 -85.5 -85.1	(IN .712 INCD 70.7 58.5 50.6 57.1	R 3821.800 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3	PTH -74.728 11 SCALE 0. 378.38702 289.72069 198.15344	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4
TRAJECTOR PHOTO DAT PT LAT 1 -12.1/5 2 -13.099 3 -6.582 4 -6.251 5 -5.898	LUN -17.386 -30.155 -37.266 -30.691 -23.794	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028	AZS/C -8.5 -26.2 27.8 -56.4 -74.2	AZN 7.1 5.2 2.0 3.8 5.4	SEC TO 1011. AZSUN -76.1 -78.9 -80.5 -81.8 -82.6	IMPACT 119 AZA 75.4 63.8 78.0 51.6 34.8	ALT 2086.35226 A* 103.66773 101.99633 98.31562 99.45919 101.50721	LA 6 -3. 8/A 0.899 0.938 0.998 0.986	T L 322 -35 AZPHAZ -93.1 -90.1 -85.5 -85.1 -84.6	INCD 70.7 58.5 50.6 57.1 63.9	R 3821.800 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6	PTH -74.728 11 SCALE 0. 378.38702 289.72069 198.15344 208.02122	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTOR PHUTO DAT PT LAT 1 -12-1/5 2 -13-099 3 -6-582 4 -6-251 5 -5-898 6 -12-883	LON -17.386 -30.155 -37.266 -30.691 -23.794 -22.902	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006	AZS/C -8.5 -26.2 27.8 -56.4 -74.2	AZN 7.1 5.2 2.0 3.8 5.4 8.4	SEC TO 1011. AZSUN -76.1 -78.9 -80.5 -81.8 -82.6 -81.2	IMPACT 119 AZA 75.4 63.8 78.0 51.6 34.8 48.2	ALT 2086.35226 A* 103.66773 101.99633 98.31562 99.45919 101.50721 104.25703	LA 6 +3. 8/A 0.899 0.938 0.988 0.936 0.884	T L 322 -35 AZPHAZ -93-1 -90-1 -85-5 -85-1 -84-6 -90-1	(IN .712 INCD 70.7 58.5 50.6 57.1 63.9 65.5	R 3821.800 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4 4~5 5-6
TRAJECTOR PHUTO DAT PT LAT 1 -12-1/5 2 -13-099 3 -6-582 4 -6-251 5 -5-898 6 -12-883	LUN -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7	AZN 7.1 5.2 2.0 3.8 5.4 8.4	SEC TO 1011. AZSUN -76.1 -78.9 -80.5 -81.8 -82.6 -81.2 -81.0	IMPACT 119 AZA 75.4 63.8 78.0 51.6 34.8 48.2 57.3	ALT 2086.35226 A* 103.66773 101.99633 98.31562 99.45919 101.50721 104.25703 108.83889	LA 6 +3. 0.899 0.938 0.988 0.988 0.988	T L 322 -35 AZPHAZ -93.1 -90.1 -85.5 -85.1 -84.6 -90.1	(IN -712 INCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 21.1	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTOR PHOTO DAT 1 -12.1/5 2 -13.099 3 -6.582 4 -6.251 5 -5.898 6 -12.893 7 -20.689 8 -20.718 9 -20.937	LON -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414 -29.361	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.1350 2243.96268	AZS/C -8.5 -26.2 27.8 -56.4 -74.2	AZN 7.1 5.2 2.0 3.8 5.4 8.4	SEC TO 1011. AZSUN -76.1 -78.9 -80.5 -81.8 -82.6 -81.2	IMPACT 119 AZA 75.4 63.8 78.0 51.6 34.8 48.2	ALT 2086.35226 A* 103.66773 101.99633 98.31562 99.45919 101.50721 104.25703	LA 6 -3. 8/A 0.899 0.938 0.988 0.988 0.986 0.887 0.886	T L 322 -35 AZPHAZ -93.1 -90.1 -85.5 -85.1 -84.6 -90.1 -95.7	1NCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7	R 3821.800 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 47.7 32.6	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 21.1	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTOI PHUTO DAI PT LAT 1 -12-1/5 2 -13-099 3 -6-582 4 -6-25 5 -5-898 6 -12-883 7 -20-689 8 -20-714 9 -20-33 10 -13-380	LUN -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414 -29.361 -36.830 -37.041	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96248 2230.96490	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -34.7 -16.4 5.9	AZN 7-1 5-2 2-0 3-8 5-4 8-4 12-9 7-3 1-6	SEC TO 1011. AZSUN -76.1 -78.9 -80.5 -81.8 -82.6 -81.2 -81.0 -77.0 -72.8 -76.1	IMPACT 119 AZA 75.4 63.8 78.6 34.8 48.2 57.3 70.8 86.4 83.7	ALT 2086.35226 A* 103.66773 101.99633 98.31562 99.45919 101.50721 104.25703 108.83889 106.14789	LA 6 -3. 8/A 0.899 0.938 0.988 0.988 0.884 0.787 0.846 0.862	T L 322 -35 AZPHAZ -93.1 -90.1 -85.5 -85.1 -84.6 -90.1	INCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 47.7 32.6 53.1 31.3 52.8 18.4	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 21.1	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTOI PHUTU DAT PT LAT 1 -12 - 1/5 2 -13 .099 3 -6 .582 4 -6 .251 5 -5 .898 6 -12 .883 7 -20 .689 8 -20 .718 9 -20 .937 10 -13 .380 11 -6 .582	LUN -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414 -29.361 -36.830 -37.041	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96268 2230.96490 2135.46286	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8	AZN 7-1 5-2 2-0 3-8 5-4 8-4 12-9 7-3 1-6 2-0	SEC TO 1011. AZSUN -76.1 -78.9 -80.5 -81.8 -82.6 -81.2 -81.0 -77.0 -72.8 -76.1 -80.5	IMPACT 119 AZA 75.4 78.0 51.6 34.8 57.3 70.8 86.4 78.0	ALT 2086.35226 103.66773 101.99634 98.31562 99.45919 101.50721 104.25703 108.63889 106.14789 105.01170 101.00764 98.31562	LA 6 -3. 8/A 0.899 0.938 0.988 0.936 0.884 0.787 0.886 0.862 0.953 0.998	T L 322 -35 AZPHAZ -93.1 -90.1 -85.5 -85.1 -84.6 -90.1 -95.7 -95.2 -94.8 -90.1	INCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 50.6	R 3821.800 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 47.7 32.6 53.1 31.3 52.8 18.4	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 21.1 7.2 -6.1 -3.3 -2.7	PTH -74.728 11 SCALE 0. 378.38702 289.72069 198.15344 208.02122 213.224130 240.32999 225.16302 211.51772 228.97716	AZ 7.026 PT-PT 0-11-22-3 3-44-55-6-7 7-88-99-10-11
TRAJECTOI PHUTO DAI PT LAT 1 -12.1/5 2 -13.9/9 3 -6.582 4 -6.251 5 -5.898 6 -12.883 7 -20.689 8 -20.714 9 -20.93 10 -13.380 11 -6.582 12 -1.258	LUN -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414 -29.361 -36.830 -37.041 -37.266 -43.926	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96264 2135.46286 2092.64862 2120.67920	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 27.8	AZN 7-1 5-2 2-0 3-8 5-4 12-9 7-3 1-6 1-6	SEC TO 1011.  AZSUN -76.1 -78.9 -80.5 -81.2 -81.2 -81.0 -77.0 -72.8 -76.1 -80.5 -84.8	IMPACT 119 AZA 75.4 63.6 51.6 34.8 57.3 70.8 86.4 83.7 36.5	ALT 2086.35226 A* 103.66773 101.99633 98.31562 99.45919 101.50721 104.25703 108.83889 106.14789 105.01170 101.00764 98.31562 97.48091	B/A 0.894 0.938 0.988 0.988 0.988 0.887 0.886 0.886 0.886 0.899	T L 322 -35  AZPHAZ -93.1 -90.1 -85.5 -85.1 -95.7 -95.2 -94.8 -90.1 -85.5 -82.1	INCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 50.6 43.6	R 3821.80i PHAZ EMIS 367.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 47.7 32.6 53.1 31.3 52.8 18.4 53.0 6.6 58.7 15.4	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 21.1 7.2 -6.1 -3.3 -2.7 -15.2	PTH -74-728 11 SCALE 0. 378-88702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 211-51772 228-97716 206-00074 257-83033	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11
TRAJECTOI  PHOTO DAT  PT LAT 15  2 -13.099  3 -6.582  4 -6.21  5 -5.898  6 -12.883  7 -20.689  9 -20.914  9 -20.937  10 -13.380  11 -6.582  12 -1.258	LUN -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414 -29.361 -37.041 -37.266 -43.926	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.9628 2230.96490 2135.46286 2092.64862 2120.67920	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 27.8 107.1	AZN 7-1 5-2 2-0 3-8 5-4 12-9 7-3 1-6 1-8 2-0 2-3	AZSUN -76.1 -78.9 -80.5 -81.8 -82.6 -81.0 -77.0 -72.8 -76.1 -80.5 -84.8 -84.9	IMPACT 119 AZA 75.4 63.8 78.0 51.6 48.2 57.3 70.8 48.7 78.6 63.7 78.6	ALT 2086.35226 103.66773 101.99634 98.31562 99.45919 104.25703 108.83889 106.14789 105.01170 101.00764 98.31562 97.48091 95.84192	LA 5 -3. 8/A 0.899 0.938 0.938 0.986 0.884 0.787 0.862 0.953 0.998 0.998 0.998	T L 322 -35 AZPHAZ -93.1 -90.1 -85.5 -85.1 -85.5 -90.1 -95.7 -95.2 -94.8 -90.1 -85.5 -82.1	INCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 50.6 43.6 50.0	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.0 28.3 42.3 38.8 47.7 32.6 53.1 31.3 53.0 6.6 53.1 11.3 53.0 6.6 53.7 15.4	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 21.1 7.2 -6.1 -3.3 -2.7 -15.2	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 211-51772 228-97716 206-00074 257-83033	AZ 7.026 PT-PT 0-1 1-2 2-3 3-45 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTOI  PHUTO OA1  PT LAT  1 -12.1/5  2 -13.099  3 -6.582  4 -6.291  5 -5.898  6 -12.683  7 -20.689  8 -20.714  9 -20.937  10 -13.380  11 -6.582  12 -1.258  13 -0.952	LUN -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414 -29.361 -36.830 -37.041 -37.266 -43.926 -37.480 -31.027	RANGE 2273.19089 2146.19238 2092.64862 2102.554904 2156.44028 2204.19006 22311.13550 2243.96268 2230.96490 2135.46286 2092.64862 2120.67920 2090.57816	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 27.8 107.1 146.1	AZN 7-1 5-2 2-0 3-8 5-4 8-4 12-9 7-3 1-6 1-6 2-9	AZSUN -76-1 -78-9 -80-5 -81-8 -82-6 -81-2 -81-0 -77-0 -72-8 -76-1 -80-5 -84-8 -84-9 -84-7	IMPACT 119 AZA 75.4 63.8 78.0 51.6 34.8 48.2 70.8 86.4 78.0 36.5 63.5	ALT 2086-35226 AR 103-66773 101-99633 98-31562 99-45919 101-50721 104-25703 108-63889 106-14789 105-01170 101-00764 98-31562 97-48091 95-84192 98-15624	LA 5 -3. B/A 0.899 0.938 0.938 0.938 0.938 0.946 0.884 0.787 0.846 0.953 0.998 0.999 0.994 0.999	T L 322 -35  AZPHAZ -33.1 -90.1 -85.5 -85.1 -90.1 -95.7 -94.8 -90.1 -85.5 -82.1 -81.5 -80.8	1NCD 70.7 758.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 50.6 43.6 50.0 56.4	R 3821.80i PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 47.7 32.6 53.1 31.3 52.8 18.4 53.5 5.1 53.5 5.4 48.2 9.9	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 7.2 -6.1 -3.3 -2.7 -15.2 -3.8	PTH -74.728 11 SCALE 0. 378.38702 289.72069 198.15344 208.02122 213.24130 2211.51772 228.97716 206.00074 257.83033 195.76373	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14
TRAJECTOI  PHOTO DAT  PT LAT 15  2 -13.099  3 -6.582  4 -6.21  5 -5.898  6 -12.883  7 -20.689  9 -20.914  9 -20.937  10 -13.380  11 -6.582  12 -1.258	LON -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414 -29.361 -37.266 -3	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.9628 2230.96490 2135.46286 2092.64862 2120.67920	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 27.8 107.1 146.1	AZN 7-1 5-2 2-0 3-8 5-4 12-9 7-3 1-6 1-8 2-0 2-3	AZSUN -76.1 -78.9 -80.5 -81.8 -82.6 -81.0 -77.0 -72.8 -76.1 -80.5 -84.8 -84.9	IMPACT 119 AZA 75.4 63.8 78.0 51.6 34.8 48.2 57.3 86.4 83.7 70.8 86.4 83.7 36.5 67.4	ALT 2086.35226 103.66773 101.99633 98.31562 99.45919 104.25703 108.83889 106.14789 105.01170 101.00764 98.31562 97.48091 98.31562 97.48091 98.31562 98.31562	LA 6 -3. 8/A 0.899 0.938 0.936 0.884 0.787 0.862 0.953 0.998 0.999/ 0.984 0.999/	T L 322 -35  AZPHAZ -93.1 -90.1 -85.5 -85.1 -84.6 -90.1 -95.2 -94.8 -90.1 -85.5 -80.8 -90.	(IN -712 INCD 70-7 58-5 50-6 57-1 63-9 65-5 68-0 60-7 54-1 52-0 50-6 43-6 50-0 56-4 63-2	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.0 28.3 42.3 38.8 42.3 38.8 47.7 32.6 53.1 31.3 52.8 18.4 53.0 6.6 53.1 5.4 48.2 9.9 42.9 21.4	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 21.1 7.2 -6.1 -3.3 -2.7 -15.2 -3.6 8.0 00.0	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 2218-97716 206-00074 257-83033 395-41943 195-76373 205-36287	AZ 7.026 PT-PT 0-1 1-2 2-3 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15
TRAJECTOI  PHUIO DA: PT LAT 1 -12.1/5 2 -13.099 3 -6.582 4 -6.251 5 -5.898 6 -12.883 7 -20.689 6 -20.714 9 -20.937 0 -13.380 11 -6.582 12 -1.258 13 -0.952 14 -0.575 15 -0.111 16 0.479 17 -5.504	LUN -17.386 -30.155 -37.266 -30.691 -23.794 -22.902 -21.414 -29.361 -37.266 -37.480 -37.480 -37.480 -31.027 -24.263 -16.764	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96268 2230.96490 2135.46286 2092.64862 2120.67920 2190.57734 2153.41397 2258.22641	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -34.7 -16.4 5.9 9.8 107.1 146.1 -117.5 -102.5 -98.0	AZN 7-1 5-2 2-0 3-8 5-4 12-9 7-3 1-6 2-9 3-2 3-4	AZSUN -76.1 -78.9 -80.5 -81.8 -82.6 -81.2 -77.0 -77.8 -76.1 -80.5 -84.8 -84.9 -84.7 -84.3 -83.3 -83.3 -83.3	IMPACT 119 AZA 75.4 63.8 678.0 51.6 348.2 570.8 86.4 83.7 36.5 67.4 18.1 10.4	ALT 2086-35226 A** 103-66773 101-99634 98-31562 99-45919 101-50721 104-25703 108-83889 105-10170 101-00764 98-31562 97-48091 95-84192 98-15624 100-20476 103-61023	LA 6 -3. 8/A 0.899 0.938 0.938 0.936 0.936 0.862 0.862 0.998 0.999 0.999 0.999 0.9857 0.857	T L 322 -35  AZPHAZ -93.1 -90.1 -85.5 -85.1 -84.6 -90.1 -95.7 -95.2 -94.8 -79.9 -78.8 -79.9 -78.8 -79.9 -78.8 -79.9 -78.8 -84.0	INCD 70.7 758.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 50.6 43.6 50.0 56.4 63.2 70.7	R 3821.80i PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 47.7 32.6 53.1 31.3 52.8 18.4 53.5 5.1 53.5 5.4 48.2 9.9	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.1 7.2 -6.1 -3.3 -2.7 -15.2 -3.8	PTH -74.728 11 SCALE 0. 378.38702 289.72069 198.15344 208.02122 213.24130 2211.51772 228.97716 206.00074 257.83033 195.76373	AZ 7.026 PT-PT 0-1 1-2 3-4 4-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTOI  PHOTO OA1  PT LAT  1 -12.1/5  2 -13.099  3 -6.582  4 -6.291  5 -5.898  8 -20.714  9 -20.937  10 -13.380  11 -6.582  12 -1.258  13 -0.9575  15 -0.111  16 0.479  17 -5.504	LON -17.386 -30.155 -37.266 -30.957 -22.902 -21.414 -29.361 -37.266 -43.926 -43.926 -37.460 -31.027 -24.263 -16.128 -14.746	RANGE 2273.17089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96268 2230.96490 2135.46286 2120.67920 2090.5734 2153.41397 2258.22641 2268.22641	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 27.8 107.1 146.1 -117.5 -102.5 -98.0 -79.8	AZN 7-1 5-2 2-0 3-8 8-4 12-9 7-3 1-6 1-8 2-9 1-6 2-3 2-9 2-9	SEC TO 1011.  AZSUN -76-1 -78-9 -80-5 -81-8 -82-6 -81-2 -81-0 -77-0 -72-8 -76-1 -80-5 -84-9 -84-7 -84-3 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -83-1 -	IMPACT 119  AZA 75.4 63.8 78.6 34.8 257.3 70.8 63.7 78.0 67.4 33.5 110.9 246.8	ALT 2086-35226 A** 103-66773 101-99634 98-31562 99-45919 101-50721 104-25703 108-83889 106-14789 105-01170 101-00764 98-31562 97-48091 98-31562 97-48091 98-31562 103-61023 103-61023 103-61023 105-06346	LA 6 -3. 8/A 0.899 0.998 0.988 0.988 0.986 0.866 0.985 0.999 0.998 0.999 0.998 0.999 0.985 0.985 0.988 0.998	T 1322 -35 ALPHAL -93-1 -85-5 -85-1 -84-6 -90-1 -95-7 -95-2 -94-8 -90-1 -85-5 -80-8 -79-9 -78-8	INCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 50.6 43.6 50.0 56.4 63.2 70.7 71.5 73.4	R 3821.80i PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 52.8 18.4 47.7 32.6 55.1 31.3 52.8 18.4 53.0 6.6 58.7 15.4 53.0 5.6 43.0 6.6 58.7 15.4 53.0 6.6 58.7 37.0 34.6	V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.1 21.1 7.2 -6.1 -3.3 -2.7 -15.6 8.0 20.0 20.0 20.0	PTH -74.728 11 SCALE 0. 378.38702 289.72069 198.15344 208.02122 213.24130 240.3299 225.16302 211.5177 228.97716 206.00074 257.83033 195.41943 205.36287 27.83776	AZ 7.026 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTOI  PHOTO DA' PT LAT  1 -12.1/5 2 -13.099 3 -6.582 4 -6.251 5 -5.898 6 -12.883 7 -20.689 7 -20.689 10 -13.380 11 -6.582 12 -1.258 13 -0.952 14 -0.575 15 -0.111 16 0.479 17 -5.504 18 -12.742	LON -17.386 -30.155 -37.266 -30.915 -23.794 -22.902 -21.414 -37.266 -37.460 -31.027 -24.263 -16.128 -14.746 -12.215	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96268 2230.96490 2135.46286 2092.64862 2120.67920 2090.57816 2100.55734 2153.41397 2258.22641 2263.85654 2320.97476 2449.50317	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 27.8 107.1 146.1 -117.5 -102.5 -98.0 -79.8 -61.3	AZN 7-12 2-0 3-8 8-4 12-9 7-3 1-6 1-8 2-0 1-8 2-9 3-2 9-3 2-9 3-4 6-8 11-5	AZSUN -76-1 -78-9 -80-5 -81-8 -82-6 -81-2 -77-0 -77-0 -77-8 -76-1 -80-5 -84-8 -84-9 -84-7 -84-3 -83-1 -83-5 -85-8	IMPACT 119 AZA 753-48 783-0 51-68 48-2 570-8 86-4 7736-5 183-7 367-5 118-1 246-8 246-8	ALT 2086-35226 A** 103-66773 101-99633 98-31562 99-45919 101-50721 104-25703 106-14789 105-10170 101-00764 98-1562 97-48091 95-84192 98-15624 100-20476 103-61023 105-06346 108-224740 1013-78261	LAA 0.899 C.938 O.988 O.988 O.988 O.988 O.988 O.988 O.989 C.953 O.989 C.950 O.984 C.950 O.884 C.950 O.884 C.950 O.885 C.950 O.	T L 1322 - 35 ALPHAL - 93.1 - 90.1 - 85.5 - 85.1 - 95.7 - 95.2 - 94.8 - 90.1 - 81.8 - 79.9 - 78.8 - 79.9 - 78.8 - 79.9 - 78.8 - 84.0 - 90.2 - 96.3	INCD 70-7 58-5 50-6 57-1 63-9 65-5 68-0 60-7 54-1 52-0 50-6 43-6 63-2 70-7 71-5 73-4 76-6	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.3 38.8 42.3 38.8 53.1 31.3 52.8 18.4 53.0 6.6 53.1 11.3 52.8 18.4 53.5 5.4 48.2 9.2 42.9 21.4 37.8 34.0 36.7 39.6 36.7 39.6	V 1.938 AL PHA 31.6 9.2 -2.7 9.3 21.6 22.1 21.1 7.2 -6.1 -3.3 -2.7 -15.2 -3.6 8.0 20.0 32.5 34.5 35.8	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 221-317716 206-00074 278-97716 2	AZ 7.026 PT-PT 0-1 1-2-3 3-4-5 5-6 6-7 8-9 9-10 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTOI  PHUTO DAT  PT LAT  1 -12.1/5  2 -13.099  3 -6.582  4 -6.291  5 -5.898  6 -12.883  7 -20.689  8 -20.714  9 -20.937  10 -13.380  11 -6.582  12 -1.258  13 -0.952  14 -0.575  15 -0.111  16 0.479  17 -5.504  18 -12.742  19 -20.931  10 -1.3.80	LON 1-38-5 -37-266 -30-155 -37-266 -30-91 -23-794 -22-902 -21-414 -29-361 -37-266 -43-926 -31-4027 -24-263 -16-164 -12-215 -6-78-7	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96268 2230.96490 2135.46286 2092.64862 2120.67920 2090.5734 2153.4139 2153.4139 2258.22641 2263.85654 24707.63223	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 27.8 107.1 146.1 -117.5 -98.0 -102.5 -98.0 -47.5	AZN 7-1 5-2 2.0 3.8 5.4 8.4 12.9 7.3 1.6 1.6 2.3 3.2 3.2 3.4 11.5 181.0	SEC TO 1011.  AZSUN -76-178-9 -80-5 -81-8 -82-6 -81-2 -81-0 -77-0 -72-8 -76-1 -80-5 -84-9 -84-7 -84-3 -83-3 -83-1 -83-5 -85-8 -93-1	IMPACT 1119 A5.48 78.06 34.82 348.23 70.8 863.7 70.8 863.7 786.4 36.5 10.9 48.2 36.2 48.2 48.2 48.2 48.2 48.2 48.2 48.2 48	ALT 2086.35226 103.66773 101.99634 98.31562 99.45919 104.25703 108.83889 106.14789 105.01170 198.31562 97.48091 95.84192 98.15624 100.20476 103.61023 105.06346 105.06346 113.78261 124.17980	LA 5 ~3. 8/A 0.899 0.998 0.998 0.998 0.884 0.787 0.862 0.953 0.998 0.999/ 0.999/ 0.995/ 0.998/ 0.988/	T 1322 -35  ALPHAL -93.1 -90.1 -85.5 -85.1 -95.7 -95.7 -95.5 -85.1 -85.5 -82.1 -85.5 -80.8 -79.9 -78.8 -84.0 -90.2 -96.3 -102.2	1NCD 70-7 58-5 50-6 57-1 63-9 60-7 54-1 52-0 50-6 43-6 50-7 71-5 73-4 63-2 70-7 71-5 73-4 62-5	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 55.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 47.7 32.8 42.3 13.3 53.0 6.6 53.1 31.3 53.0 6.6 53.1 31.3 53.0 6.6 53.1 5.4 48.2 9.9 42.9 21.4 37.8 34.0 37.0 34.6 37.0 34.6 37.0 48.9 38.0 63.0	V 1.938 31.938 31.6 9.2 -2.7 21.6 22.11 7.2 -6.1 -3.3 -2.7 -15.2 20.0 32.5 34.5 35.8 36.5	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 221-51772 228-97716 206-00074 257-83033 195-41943 195-76373 205-36287 227-83776 182-224510 223-10190 258-04132 351-64492	AZ 7.026 PT-PT 0-12 2-3 4-5 5-6 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 11-18 18-19
TRAJECTOI  PHOTO OA: PT LAT 1 -12.1/5 2 -13.099 3 -6.582 4 -6.251 5 -5.898 6 -12.883 7 -20.689 8 -20.714 9 -20.937 10 -13.380 11 -6.582 12 -1.258 13 -0.952 14 -0.575 15 -0.111 16 0.479 17 -5.504 18 -12.742 19 -20.931 20 -31.476	LON -17.386 -30.155 -37.266 -30.94 -22.902 -21.414 -29.361 -37.266 -43.926 -43.926 -43.926 -16.128 -16.787 -18.641 -16.128 -16.787 -18.641 -17.868 -14.786 -16.128 -16.787 -18.641 -17.868 -14.786 -16.128 -16.787 -18.641 -17.868 -18.787 -18.641 -18.641 -18.788 -18	RANGE 2273.19089 2146.19238 2092.64862 2102.554904 2156.44028 2204.19006 22311.13550 2243.96268 2230.96490 2135.46286 2092.66862 2120.67920 2090.57816 2100.55734 2153.41397 2258.22641 2263.85654 2320.97476 2449.50317 2707.63223	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 107.1 146.1 -117.5 -102.5 -98.0 -79.8 -61.3 -41.5 -37.9 -41.5	AZN 7-1 5-2 2-0 3-8 5-4 12-9 7-3 1-6 2-0 1-8 2-9 3-2 3-2 3-2 11-5 2-9 3-4 6-8 11-5 18-4 21-2	SEC TO 1011.  AZSUN -76-1 -78-9 -80-5 -81-8 -82-6 -81-2 -77-0 -77-8 -76-8 -84-9 -84-7 -84-3 -83-5 -83-5 -93-1 -83-5 -83-5 -83-1 -83-5 -83-1 -83-5 -83-1 -83-5	IMPAC T A 4 4 8	ALT 2086-35226 A** 103-66773 101-99633 98-31562 99-45919 101-50721 104-25703 108-83889 106-14789 105-01170 101-00764 98-31562 97-48091 95-84192 102-20476 103-61023 105-06346 108-24740 108-24740 108-24740 108-24740 108-24740 108-24740 108-24740 108-24740	LA -3.  B/A U.8938 C.9988 C.9988 C.9884 U.8862 U.8862 U.998 U.9953 U.9984 U.953 C.958 U.9484 U.867	T 1322 -352 AZPHAZ -93.1 -90.1 -85.5 -85.1 -90.1 -85.5 -85.5 -85.1 -81.5 -80.8 -79.9 -78.8 -79.9 -78.8 -79.9 -78.8 -79.9 -70.2 -96.3 -102.2 -101.1	INCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 50.6 43.6 50.0 71.5 70.7 71.5 73.4 76.6 82.5 72.3	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 42.3 38.8 53.0 6.6 53.1 31.3 53.0 6.6 53.1 5.4 48.2 9.9 42.9 21.4 37.8 34.0 37.0 34.6 36.7 39.6 36.7 39.6 36.7 39.6 36.7 39.6 36.7 39.6 36.7 39.6 36.7 39.6	V V 1.938 ALPHA 31.6 9.2 -2.7 2.1 1 21.1 7.2 2.1 1 -3.3 -2.7 -15.2 -3.6 8.0 20.0 32.5 34.5 35.8 36.5 39.6	PTH -74-728 11 SCALE 0. 378-88702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 211-31772 226-97716 206-00074 257-83033 195-76373 205-36287 227-83776 182-24510 223-10190 258-04132 351-64992 309-97887	AZ 7.026 PI-PI 0-1-2 2-3 4-5 5-6-7 7-8 9 9-10 10-11 11-12 12-14 14-15 15-16 16-17 17-18 18-19 19-20
TRAJECTOI  PHUTO DAT  PT LAT  1 -12.1/5  2 -13.099  3 -6.582  4 -6.291  5 -5.898  6 -12.883  7 -20.689  8 -20.714  9 -20.937  10 -13.380  11 -6.582  12 -1.258  13 -0.952  14 -0.575  15 -0.111  16 0.479  17 -5.504  18 -12.742  19 -20.931  10 -1.3.80	LON 17.38 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96268 2230.96490 2135.46286 2092.64862 2120.67920 2090.5734 2153.4139 2153.4139 2258.22641 2263.85654 24707.63223	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 27.8 107.1 146.1 -117.5 -98.0 -102.5 -98.0 -47.5	AZN 7-1 5-2 2.0 3.8 5.4 8.4 12.9 7.3 1.6 1.6 2.3 3.2 3.2 3.4 11.5 181.0	SEC TO 1011.  AZSUN -76-178-9 -80-5 -81-8 -82-6 -81-2 -81-0 -77-0 -72-8 -76-1 -80-5 -84-9 -84-7 -84-3 -83-3 -83-1 -83-5 -85-8 -93-1	IMPACT 1119 A5.48 78.06 34.82 348.23 70.8 863.7 70.8 863.7 786.4 36.5 10.9 48.2 36.2 48.2 48.2 48.2 48.2 48.2 48.2 48.2 48	ALT 2086.35226 103.66773 101.99633 98.31562 99.45919 101.50721 104.25703 108.83889 106.14789 105.00170 101.00764 98.31562 97.48091 95.84192 98.15624 100.20476 103.61023 105.0636 105.0637 107.06474 103.61023 105.0637 107.06474 103.61023 105.0637 107.06474 1	B/A 0.894 0.998 0.936 0.936 0.988 0.988 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.962 0.96	T 1322 -35  AZPHAZ -93.1 -90.1 -85.5 -85.1 -95.7 -95.7 -95.7 -85.5 -82.1 -81.5 -80.8 -79.9 -78.8 -84.0 -90.2 -101.1 -100.1	INCD 70.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 50.6 43.6 50.0 643.6 70.7 71.5 73.4 76.6 82.5 72.3 64.4	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 47.7 32.6 53.1 31.3 52.8 18.4 53.0 6.6 58.7 15.4 48.2 9.9 43.8 34.0 37.0 34.0 37.0 34.0 37.0 34.0 37.0 34.0 37.0 34.0 33.0 63.0 43.1 52.6	V V 1.938 ALPHA 31.6 2-2.7 2.1.6 221.1 7.2 1-6.1 7.2 1-3.3 -2.7 2-3.6 8.0 20.0 32.5 35.8 36.5 35.8 36.2 18.6 2.3	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 221-31-31772 206-00074 257-83033 195-41943 195-76373 205-36287 227-83776 182-224510 223-10190 258-04132 351-64992 309-97887	AZ 7.026 PT-PT 0-11-22-33-4-55-6-77-89-9-10 10-11212-1313-14-15 15-16-17 17-1818-19-20 20-21-21-21-21
TRAJECTOI  PHUIO DAT  PT LAT  1 -12.1/5  2 -13.099  3 -6.582  4 -6.221  5 -5.898  6 -12.883  7 -20.689  7 -20.689  10 -13.380  11 -6.582  12 -1.258  13 -0.952  14 -0.575  15 -0.111  16 0.479  17 -5.504  18 -12.742  19 -20.931  10 -31.380  20 -31.476  21 -30.309	LON -17.386 -30.155 -37.266 -30.95 -37.266 -30.991 -23.794 -22.902 -21.414 -29.361 -37.266 -43.926 -37.480 -37.480 -31.027 -24.263 -16.128 -14.746 -12.215 -6.787 -18.641 -28.032 -36.624 -36.	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96268 2230.96490 2125.46862 2120.67920 2090.57816 2100.55734 2153.41397 2258.22641 2263.85654 2320.97476 2490.5734	AZS/C -8.5 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.9 9.8 27.8 107.1 146-1 -117.5 -98.0 -79.8 -61.3 -47.5 -37.9 -26.3	AZN 7-1 5-2 2-0 3-8 5-4 12-9 7-3 1-6 2-9 3-2 6-8 11-5 18-4 211-5 11-5	SEC TO 1011.  AZSUN -76-1 -78-9 -80-5 -81-8 -82-6 -81-0 -77-0 -72-8 -76-1 -80-5 -84-8 -83-3 -83-5 -85-8 -83-5 -85-8 -83-5 -77-1 -83-5 -77-1 -83-5 -77-1 -83-5 -77-1 -83-5 -77-1 -83-5 -77-1 -83-5 -77-1 -83-5 -77-1 -83-5 -	IMPACT 119 A5.48 78.06 34.8 51.68 34.85 770.8 63.7 78.5 67.4 518.1 10.9 48.2 36.8 48.3 67.4 63.3 67.4 63.3 67.4 63.3 67.4 63.3	ALT 2086-35226 A** 103-66773 101-99633 98-31562 99-45919 101-50721 104-25703 108-83889 106-14789 105-01170 101-00764 98-31562 97-48091 95-84192 102-20476 103-61023 105-06346 108-24740 108-24740 108-24740 108-24740 108-24740 108-24740 108-24740 108-24740	LA 6 -3. 8/A 0.893 0.936 0.936 0.884 0.8862 0.953 0.995 0.995 0.9857 0.857 0.8621 0.9621 0.621 0.621 0.621	T 1322 -352 AZPHAZ -93.1 -90.1 -85.5 -85.1 -90.1 -85.5 -85.5 -85.1 -81.5 -80.8 -79.9 -78.8 -79.9 -78.8 -79.9 -78.8 -79.9 -70.2 -96.3 -102.2 -101.1	INCD 702.7 58.5 50.6 57.1 63.9 65.5 68.0 60.7 54.1 52.0 60.4 43.6 63.2 70.7 71.5 72.3 64.4 57.4	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.6 53.1 31.3 52.8 18.4 53.0 6.6 53.1 5.4 53.0 6.6 63.7 39.6	V V 3 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 122.1 1 7.2 -6.1 -3.3 7 -15.2 -3.6 8.0 20.0 5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 211-31772 228-97716 206-00074 257-83033 195-76373 205-36287 278-8776 182-24510 223-10190 258-64132 351-64992 351-64992 351-64973 351-64973 246-17558	AZ 7.026 PT-PT 0-1 1-2 2-3 4-5 5-6 6-7 8-9 9-10 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 20-21 21-22 22-22
TRAJECTOI  PHUTO OA1  PT LAT  1 -12.1/5  2 -13.099  3 -6.582  4 -6.291  5 -5.898  8 -20.714  9 -20.937  10 -13.380  11 -6.582  12 -1.258  13 -U-92  14 -0.575  15 -0.111  16 0.479  17 -5.504  18 -12.742  19 -20.931  20 -31.476  21 -30.309  22 -29.953  23 -30.079  24 -30.638  25 -21.348	LON -17.386 -30.155 -37.266 -30.95 -37.266 -30.991 -23.794 -22.902 -21.414 -29.361 -37.266 -43.926 -43.926 -16.128 -14.746 -12.215 -6.787 -18.641 -28.032 -36.624 -45.263 -44.313	RANGE 2273.17089 2146.19238 2092.64862 2102.54904 2156.44028 2204.1906 2311.13550 2243.96268 2120.67920 2135.46286 2120.67920 2190.5734 2153.41397 2258.22641 2268.22641 2268.22641 2268.22641 2268.22641 2320.97476 2449.50317	AZS/C -8.5/2 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 107.1 146.1 -117.5 -102.5 -98.0 -79.8 -61.3 -47.5 -37.9 -26.3 -11.9 -26.3	AZN 7.1 5.2 5.4 4 12.9 7.3 6.4 1.6 2.3 3.4 4 0.1 6.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1	SEC TO 1011.  AZSUM -76-11 -78-9 -80-5 -81-8 -82-6 -81-2 -81-0 -77-0 -72-8 -84-9 -84-7 -84-3 -83-1 -83-5 -85-8 -93-1 -83-5 -77-1 -80-67-7 -66-7	IMPA  A 44-8  A 570-8  570-8  570-8  570-8  570-8  570-8  570-9  6338-	ALT 2086-35226 A** 103-66773 101-99633 98-31562 99-45919 101-50721 104-25703 108-63889 106-14789 105-01170 101-00764 98-31562 97-48091 95-84192 98-15624 100-20476 103-61023 105-06346 108-24740 113-78261 124-17980 111-99852	LA 6 -3. B/A U.894 U.998 G.998 G.998 G.998 G.998 U.846	1 1322 -332 AZPHAZ -93.1 -90.1 -85.5 -85.1 -90.1 -95.2 -90.1 -85.5 -80.8 -90.1 -81.5 -80.8 -79.9 -78.8 -84.0 -90.2 -96.3 -102.2 -101.1 -100.1 -99.3	(IN .712 INCD .70.7 50.6 63.9 65.5 68.0,7 50.1 63.9 65.5 68.0,7 74.1 72.0 66.4 63.2 771.5 73.4 76.6 82.5 76.6 82.5 76.6	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.0 28.3 42.3 38.8 47.7 32.6 53.1 31.3 52.8 18.4 53.0 6.6 58.7 15.4 48.2 9.9 43.8 34.0 37.0 34.0 37.0 34.0 37.0 34.0 37.0 34.0 37.0 34.0 33.0 63.0 43.1 52.6	V 1.938 ALPHA 6 9.2 -2.7 9.3 21.6 1 7.2 7.7 -15.2 6 8.0 0 32.5 33.8 36.5 35.8 36.5 2.1 8.6 3 -12.5 0 7.7 -15.2 6	PTH -74-728 11 SCALE 0. 378-38702 289-72069 198-15344 208-02122 213-24130 240-32999 225-16302 221-31-31772 206-00074 257-83033 195-41943 195-76373 205-36287 227-83776 182-224510 223-10190 258-04132 351-64992 309-97887	AZ 7.026 PT-PT 0-1 1-2 3-4 5-6 6-7 8-9 9-10 10-11 11-12 11-13 11-13 11-14 15-16 15-16 15-17 17-18 19-20 221-23 221-23 221-23 23-24
TRAJECTOI  PHUIO DAT  PT LAT  1 -12.1/5  2 -13.099  3 -6.582  4 -6.21  5 -5.898  6 -12.883  7 -20.689  8 -20.714  9 -20.91  10 -13.380  11 -6.582  12 -1.258  13 -0.952  14 -0.575  15 -0.511  16 0.479  17 -5.504  18 -12.742  19 -20.931  20 -31.476  21 -30.309  22 -29.933  23 -30.079  24 -30.638  25 -21.348	LUN	RANGE 2273.19089 2146.19238 2092.64862 2102.54904 2156.44028 2204.19006 2311.13550 2243.96268 2230.96490 2135.46286 2092.64862 2120.67920 2190.57734 2153.41397 2258.22641 2263.85654 2320.91476 2449.50317 4707.63223 2421.38962 2443.07086	AZS/C -8-5-26-2 27-8 -56-4 -74-2 -49-2 34-7 -16-4 9-8 27-8 107-1 146-1 -117-5 -102-5 -79-8 -61-3 -41-5 -37-9 -26-3 -11-9 -21-9 4-12-5 -37-9 -26-3 -11-9 -26-4 -40-0	AZN 7-11 5-20 3-8 8-4 12-9 11-5 18-4 31-0 211-5 18-4 -9-2 -4-4 1-7	SEC TO 1011.  AZSUM -76-1 -78-9 -80-5 -81-8 -82-6 -81-0 -72-8 -76-1 -80-5 -84-8 -84-9 -84-7 -84-3 -83-5 -83-5 -77-1 -81-3 -83-5 -77-1 -72-7	IMPACT A4481 A46.82 A46	ALT 2086-35226 A** 103-66773 101-99633 98-31562 99-45919 101-50721 104-25703 108-63889 105-10170 101-00764 98-31562 97-48091 95-84192 98-15624 100-20476 103-20476 103-20476 103-20476 104-217980 113-78261 124-17980 114-17980 111-54461 111-54461 111-54461 111-5811	LA 6 - 3. B/A 0.894 0.936 0.936 0.938 0.936 0.938 0.936 0.936 0.936 0.936 0.936 0.937 0.944 0.757 0.442 0.957 0.45	T 1322 -35  AZPHAZ -93.1 -90.1 -85.5 -85.1 -95.7 -95.7 -95.7 -81.5 -80.8 -79.9 -78.8 -79.9 -78.8 -79.9 -79.2 -96.3 -102.2 -101.1 -99.3 -98.7 -94.4 -99.4	1NCD 70.7 58.5 50.6 65.5 68.0 60.7 71.5 50.6 43.6 63.2 73.4 63.2 73.4 64.4 51.0 64.4 47.6 67.2	R 3821.801 PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.3 38.8 42.3 38.8 42.3 38.8 53.0 6.6 53.1 31.3 52.8 18.4 53.0 6.6 53.1 31.3 71.0 34.6 71.0 34.	V 1.938 ALPHA 31.6 9.2 -2.7 9.3 21.6 22.11 21.12 -6.1 -3.3 -2.7 -1.3.6 80.00 32.5 34.5 35.8 36.5 39.2 12.5 18.6 2.3 -12.5 -19.6	PTH -74-728 11 SCALE 0. 378.38702 289.72069 198.15344 208.02122 213.24130 240.32999 225.16302 221.31777 206.00074 277.83773 205.36287 227.83776 182.224510 223.10190 228.97716 2	AZ 7.026 PT-PT 0-1 1-23 3-45 5-67 8-9 10-11 11-12 12-13 13-15 15-16 11-12 12-13 13-15 15-17 17-18 19-20 21-22 22-23 24-25 25-25
TRAJECTOI  PHUTO OA1  PT LAT  1 -12.1/5  2 -13.099  3 -6.582  4 -6.291  5 -5.898  8 -20.714  9 -20.937  10 -13.380  11 -6.582  12 -1.258  13 -U-92  14 -0.575  15 -0.111  16 0.479  17 -5.504  18 -12.742  19 -20.931  20 -31.476  21 -30.309  22 -29.953  23 -30.079  24 -30.638  25 -21.348	LON -17-386 -30-155 -37-266 -30-95 -30-91 -23-794 -22-902 -21-414 -29-361 -37-266 -43-926 -31-6-764 -16-128 -31-6-764 -12-215 -6-787 -18-641 -28-032 -36-624 -45-263 -43-33-343-930 -43-83-93	RANGE 2273.17089 2146.19238 2092.64862 2102.54904 2156.44028 2204.1906 2311.13550 2243.96268 2120.67920 2135.46286 2120.67920 2190.5734 2153.41397 2258.22641 2268.22641 2268.22641 2268.22641 2268.22641 2320.97476 2449.50317	AZS/C -8.5/2 -26.2 27.8 -56.4 -74.2 -49.2 -34.7 -16.4 5.9 9.8 107.1 146.1 -117.5 -102.5 -98.0 -79.8 -61.3 -47.5 -37.9 -26.3 -11.9 -26.3	AZN 7.1 5.2 5.4 4 12.9 7.3 6.4 1.6 2.3 3.4 4 0.1 6.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1	SEC TO 1011.  AZSUM -76-11 -78-9 -80-5 -81-8 -82-6 -81-2 -81-0 -77-0 -72-8 -84-9 -84-7 -84-3 -83-1 -83-5 -85-8 -93-1 -83-5 -77-1 -80-67-7 -66-7	IMPA  A 44-8  A 570-8  570-8  570-8  570-8  570-8  570-8  570-9  6338-	ALT 2086-35226 A** 103-66773 101-99633 98-31562 99-45919 101-50721 104-25703 108-63889 106-14789 105-01170 101-00764 98-31562 97-48091 95-84192 98-15624 100-20476 103-61023 105-06346 108-24740 113-78261 124-17980 111-99852	LA L	1322 -332 AZPHAZ -93.1 -90.1 -85.5 -85.1 -90.1 -85.5 -85.1 -90.1 -85.5 -82.1 -81.5 -84.0 -90.2 -96.3 -102.2 -96.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3	(IN .712 170.7 70.7 798.5 557.1 63.9 65.9 68.0 66.0 66.0 75.1 75.1 75.1 75.1 75.1 75.1 75.1 75.1	R 3821.80i PHAZ EMIS 38.2 35.5 47.4 20.3 53.0 6.6 47.6 10.6 42.3 21.9 42.3 21.9 42.3 31.3 52.8 18.4 53.0 6.6 53.5 5.4 53.0 34.0 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.6 37.0 34.0 37.0 34.6 37.0 34.	V 9 38 AL PHA 6 92.7 9.3 21.6 22.1 27.1 27.2 -6.3 -25.7 23.6 0 20.0 32.5 34.5 34.5 34.5 218.6 2.5 -27.0 2 -15.6 -14.5	PTH -74.728 11 SCALE 0. 378.38702 289.72069 198.15344 208.02122 213.24130 240.32999 225.16302 221.5177 228.97716 206.00074 257.83033 195.76373 205.36287 27.83776 182.24510 258.04132 23.10190 258.04132 23.10190 258.04132 23.10190 258.04132 23.2013887 246.17558	AZ 7.026 PT-PT 1-23 3-45 5-67 7-89 9-10 11-12 12-13 11-12-13 11-12-13 11-17-18 18-19 19-20 21-223 223-24 225-26-27

		RA-VII CAMER	A FA			2
JULY 31,1964 13 HR 9 MIN 2 SEC	801 WS	TAB NO	3	ATLAS PHOTO NO	3	POD SEQUENCE NO 12
TRAJECTURY DATA		SEC 10 IMPACT	ALT 2076.77878	LAT LON 3 -3.340 -35.677	R 3812-234	V PTH AZ 1.939 -74.701 117.021
PHOTU DATA			2010111010	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3012.234	
	S/C AZN 8.6 7.1		A •		PHAZ EMIS A	
	6.3 5.2	-76.1 75.3 -78.9 63.7	103.20365		7 38.2 35.4 5 47.4 20.3	31.6 0. 0-1 9.3 576.17816 1-2
3 -6.611 -37.197 2083.07217 2	7.2 2.0	-80.5 17.7	97.86617			-2.6 288.44616 2- 3
	6.3 3.8	-81.7 51.6	99.01049	0.987 -85.1 57.1	47.7 10.6	9.3 197.25903 3- 4
	4.1 5.4 9.2 8.4	-82.6 34.9 -81.2 48.2	101.05094			21.6 207.09308 4- 5 22.1 212.30284 5- 6
	4.7 12.8	-81.0 57.3	108.34997			21.1 239.21848 6- 7
8 -20.679 -29.327 2233.86478 -1	6.5 7.3	-77.0 70.7	105.67018		47.7 32.6	7.2 224.15436 7- 8
	5.8 1.6	-72.9 86.3	104.53128			-6.0 210.56709 8- 9 -3.2 227-90459 9-10
	9.6 l.8 7.2 2.0	-76.1 83.5 -80.5 77.7	91.86677			-3.2 227.90459 9-10 -2.6 205.07441 10-11
	6.9 1.6	-84.7 35.7	97.01725		7 58.7 15.3 -	
13 -1.006 -37.410 2080.87128 14	6.2 2.3	-84.8 61.2	95.38412	0.984 -81.5 50.		-3.6 194.46294 12-13
14 -0.631 -30.987 2090.93665 -11		-84.7 33.7	97.70473		48.2 9.9	8.1 194.86677 13-14
15 -0.169 -24.253 2143.58099 -10 16 0.418 -16.791 2247.79459 -9	2.4 3.3 7.9 3.4	-84.2 18.3 -83.3 11.1	99.74695			20.0 204.43021 14-15 32.5 226.73567 15-16
	9.7 6.8	-83.1 24.5	104.58611			34.5 181.41512 16-17
18 -12.744 -14.779 2310.49570 -6	1.2 11.5	-83.5 36.8	107.75866	0.785 -90.2 73.	3 36.7 39.6	35.8 222.10592 17-18
	7.5 18.3	-85.8 46.2	113-26045			36.4 257.37178 18-19
	7.9 30.8 6.3 21.2	-93.0 53.4 -83.4 63.7				39.0 349.19381 19-20 18.5 307.96190 20-21
	1.9 11.5	-77.2 15.4			4 48.4 46.9	2.3 244.99179 21-22
	4.1 1.4	-71.4 88.3	111.01703		4 53.6 45.7 -	12.4 224.29437 22-23
	9.6 -9.1	-65.1 11.6	111.44/17		1 58.8 48.6 -	
	6.5 -4.3	-67.8 12.6 -72.5 15.1	104.74737	0.839 -94.4 47.	7 58.4 34.9 - 5 58.2 23.7 -	19.1 280.87693 24-25 15.6 229.86960 25-26
	9.8 -1.7 8.4 U.1	-72.5 15.1 -78.6 21.0	100.68593	0.983 -85.8 44.	3 58.3 16.0 ~	
26 -[.312 -43.624 (110.34012 10	6.9 1.0	-84.7 35.7	97.01725	0.997 -82.1 43.	7 50.7 15.3 -	15.1 170.19193 27-28
26 -[1.312 -43.624 2110.39012 10	6.9 1.0					
JULY 31,1964 13 HR 9 MIN 7 SEC		-84.7 35.7 TAB NO		0.997 -82.1 43. ATLAS PHOTO NO		POD SEQUENCE NO 14
		TAB NO	) 4 T ALT	ATLAS PHOTO NO	4 *	POD SEQUENCE NO 14
JULY 31,1964 13 HR 9 MIN 7 SEC TRAJECTIONY DATA PHOTO DATA	921 MS	TAB NO	ALT 2067-1984	ATLAS PHOTO NO  LAT LUN 9 -3.358 -35.641	4 8 3802.654	POD SEQUENCE NO 14  V PTH AZ 1.941 -74.673 117.017
JULY 31,1964 13 HR 9 MIN 7 SEC TRAJECTERY DATA PHOTO DATA PI LAT LON RANGE AZ	921 MS S/C AZN	TAB NO	ALT 2067-1984	ATLAS PHOTO NO  LAT LUN 9 -3.358 -35.641 B/A AZPHAZ INC	4 3802.654 D PHAZ EMIS A	POD SEQUENCE NO 14  V PTH AZ 1.941 -74.673 117.017  ILPHA SCALE PT-PT
JULY 31,1964 13 HR 9 MIN 7 SEC TRAJECTIONY DATA PHUTO DATA P1 LAT LON MANGE AZ 1 -12-117 -17-422 2252-65494 -	921 MS S/C AZN 8+7 7+1	TAB NO SEC TO IMPAC 1090.879 AZSUN AZA -76.2 75.2	ALT 2067.19840	ATLAS PHOTO NO  LAT LUN 9 -3.358 -35.641  B/A AZPHAZ INC 0.899 -93.1 /0.	4 3802.654 D PHAZ EMIS A 7 36-2 35-4	POD SEQUENCE NO 14  V PTH AZ 1.941 -74.673 117.017  1.044 SCALE PT-PT 31.6 0. 0-1
JULY 31,1964 13 HR 9 MIN 7 SEC TRAJECTERY DATA PHOTO DATA P1 LAT LON RANGE AZ 1 -12.157 -17.422 2252.65494 - 2 -15.059 -30.080 2126.98899 -2	921 MS S/C A/N 8.7 7.1 6.3 5.2	TAB NO	ALT 2067-1984	ATLAS PHOTO NO  LAT LUN 9 -3.358 -35.641  B/A AZPHAZ INC 0.899 -93.1 /0. 0.938 -90.1 50.	4 3802.654 D PHAZ EMIS A	POD SEQUENCE NO 14  V PTH AZ 1.941 -74.673 117.017  ILPHA SCALE PT-PT
JULY 31,1964 13 HR 9 MIN 7 SEC TRAJECTERY DATA PHUTO DATA P1 LAT LON RANGE AZ 1 -12.197 -17.422 2252.65494 2 -15.099 -30.080 2126.96899 -2 3 -6.639 -37.129 2073.49100 2 4 -6.312 -30.013 2083.56830 -5	921 MS S/C AZN 8.7 7-1 6.3 5-2 6.7 2-0 6.2 3-8	TAB NO SEC TO IMPAC 1070.879 AZSUN AZA -76.2 75.2 -78.9 63.7 -80.5 77.5 -81.7 51.6	ALT 2067-1984' A4 102-73901 101-08275 97-41794 98-56126	ATLAS PHOTO NO  LAT LUN 9 -3.558 -35.641  B/A AZPHAZ INC 0.897 -93.1 /0. 0.998 -90.1 58. 0.998 -95.5 50. 0.998 -85.1 51.	4 3802.654 D PHAZ EMIS A 7 36.2 35.4 6 47.4 20.3 8 53.1 6.6 2 47.7 10.7	V PTH AZ 1.941 -74.673 117.017 LPHA SCALE PT-PT 31.6 0. 0-1 94.3 375.19682 1-2 -2.5 287.16910 2-3 94.4 196.36361 3-4
JULY 31,1964 13 HR 9 MIN 7 SEC TRAJECTIONY DATA PHOTO DATA P1 LAT LON RANGE AZ 1 -12.177 -17.422 2252.65494 -2 2 -15.099 -30.000 2126.96899 -2 3 -6.619 -37.129 2073.49100 2 4 -6.312 -30.013 2083.56830 -5 5 -5.962 -23.776 2137.04105 -7	921 MS  S/C. AZN 8+7 7-1 6-3 5-2 6-7 2-0 6-2 3-8 4+0 5-4	TAB NO SEC TO IMPAC 1090-879 AZSUN AZA -76-2 75-2 -78-N 63-7 -80-5 77-5 -81-7 51-6 -82-6 35-0	ALT 2067-1984 A4 102-73901 101-08275 97-41794 98-56126 100-59383	ATLAS PHOTO NO  LAT LUN 9 -3.358 -35.641  B/A AZPHAZ INC 0.899 -95.1 70. 0.938 -90.1 58. 0.998 -85.5 50. 0.987 -85.1 57. 0.936 -86.6 63.	4 3802.654 D PHAZ EMIS A 7 36.2 55.4 6 47.4 20.3 8 53.1 6.6 7 47.7 10.7 9 42.3 21.9	POD SEQUENCE NO 14  V PTH AZ 1.941 -74.673 117.017  ILPHA SCALE PT-PT 31.6 0. 0-1 9.3 375.19682 1-2 -2.5 287.16910 2-3 9.4 196.36361 3-4 21.6 206.16183 4-5
JULY 31,1964 13 HR 9 MIN 7 SEC TRAJECTERY DATA PHUTO DATA P1 LAT LON RANGE AZ 1 -12,157 -17,422 2752,65494 -2 2 -13,099 -30,080 2126,98899 -2 3 -6,619 -37,129 2073,49100 2 4 -6,312 -30,613 2083,56830 -5 5 -5,962 -23,776 2137,04105 -7 6 -12,885 -22,891 2184,51425 -4	921 MS  S/C AZN 8+7 7-1 6-3 5-2 6-7 2-0 6-2 5-8 4-0 5-4 9-2 8-4	TAB NO SEC TO IMPAC 10°10.879 A/SUN A/A -76.2 75.2 -/8.9 63.7 -80.5 77.5 -81.7 51.6 -82.6 35.0 -81.2 46.3	ALT 2067-1784' A* 102.73901 101.08275 97.41794 98.56126 100.59383 103.32635	ATLAS PHOTO NO  LAT LON 9 -3.358 -35.641  B/A AZPHAZ INC 0.899 -95.1 /0. 0.998 -95.5 50. 0.998 -85.5 51. 0.998 -85.1 51. 0.936 -86.6 63. 0.884 -90.1 65.	4 3802.654 D PHAZ EMIS A 7 36.2 35.4 6 47.4 20.3 8 53.1 6.6 2 47.7 10.7 9 42.3 21.9 9 42.0 28.3	V PTH AZ 1.941 - 74.673 117.017 ILPHA SCALE PT-PT 31.6 0. 0-1 9.3 375.19687 1-2 -2.5 287.16910 2-3 9,4 196.36361 3-4 21.6 206.16183 4-5 22.1 211.36198 5-6
JULY 31,1964 13 HR 9 MIN 7 SEC TRAJECTERY DATA PHOTO DATA P1 LAT LON RANGE AZ 1 -12.177 -17.422 2252.65494 -2 2 -15.099 -30.080 2126.98899 -2 3 -6.639 -37.129 2073.49100 -2 4 -6.312 -30.613 2083.56830 -5 5 -5.962 -23.776 2137.04105 -7 6 -12.885 -22.881 2184.51425 -4 7 -20.619 -21.421 2290.34567 -3	921 MS  S/C. AZN 8+7 7-1 6-3 5-2 6-7 2-0 6-2 3-8 4+0 5-4	TAB NO SEC TO IMPAC 1090-879 AZSUN AZA -76-2 75-2 -78-N 63-7 -80-5 77-5 -81-7 51-6 -82-6 35-0	ALT 2067-1984 A4 102-73901 101-08275 97-41794 98-56126 100-59383	ATLAS PHOTO NO  LAT LUN 9 -3.358 -35.641  B/A AZPHAZ INC 0.997 -95.1 70. 0.998 -90.1 58. 0.998 -85.5 50. 0.987 -85.1 57. 0.736 -84.6 63. 0.884 -90.1 65. 0.884 -90.1 65.	4 3802.654 D PHAZ EMIS A 7 36.2 55.4 6 47.4 20.3 8 53.1 6.6 7 47.7 10.7 9 42.3 21.9	POD SEQUENCE NO 14  V PTH AZ 1.941 -74.673 117.017  LPHA SCALE PT-PT 31.6 0. 0- 1 9.3 375.19687 1- 2 -2.5 287.16910 2- 3 9.4 196.36361 3- 4 21.6 206.16183 4- 5 22.1 211.36198 5- 6 21.1 238.10355 6- 7 7.2 223.14123 7- 8
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JULY 31,1964 13 HR 9 MIN 7 SEC  TRAJECTICRY DATA  PHUTO DATA P1 LAT LON RANGE AZ 1 -12-157 -17-422 2252.65494 -2 2 -15.099 -30.080 2126.96899 -2 3 -0.619 -37-129 2073.49100 2 4 -6.312 -30.613 2083.56830 -5 5 -5.99.2 -23.776 2137.04105 -7 6 -12.885 -22.891 2184.51425 -4 7 -20.619 -21.421 2290.34567 -3 8 -20.644 -29.29.223.77556 -3 9 -20.862 -36.691 2710.55023 10 -13.376 -36.705 2116.09941	921 MS  5/C AZN 8-/ /-1 6-3 5-2 6-7 2-0 6-2 5-8 4-0 5-4 9-2 8-4 4-7 12-8 6-5 7-3 5-7 1-6	TAB NO SEC TO IMPAC 1070.879 AZSUN AZA -76.2 75.2 -78.9 03.7 -80.5 77.5 -81.7 51.6 -82.6 35.0 -81.2 57.3 -77.1 70.7 -72.9 86.2 -76.2 83.4	ALT 2067-1984' 102-73901 101-08275 97-41/94 98-56126 100-5938 103-32635 107-85990 105-19176 104-05057 100-08936	ATLAS PHOTO NO  LAT LUN 9 -3.358 -355.641  B/A AZPHAZ INC 0.899 -95.1 70. 0.998 -90.1 58. 0.998 -90.5 50. 0.997 -85.1 57. 0.936 -84.6 63. 0.884 -90.1 65. 0.887 -95.7 68. 0.863 -94.8 54. 0.963 -94.8 54.	4 R 3802.654 D PHAZ EMIS A 7 36.2 35.4 6 47.4 20.3 8 53.1 6.6 2 47.7 10.7 4 42.3 71.9 5 42.0 28.3 0 42.3 38.7 8 47.7 32.6 2 53.1 31.2	V PTH AZ 1.941 -74.673 117.017  1.944 SCALE PT-PT 31.6 0 0-1 9.3 375.19682 1-2 -2.5 287.16910 2-3 9.4 196.36361 3-4 21.6 206.16183 4-5 22.1 211.36198 5-6 21.1 238.10355 6-7 7.2 223.14123 7-8 -6.0 209.61508 8-9 -3.1 226.88130 9-10
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JULY 31,1964 13 HR 9 MIN 7 SEC  TRAJECTURY DATA  PHOTO DATA P1 LAT LON RANGE AZ 1 -12-177 -17-422 2252-65494 -2 2 -13:099 -30:080 2126-98899 -2 3 -0:619 -37:129 2073-49100 2 4 -0:312 -30:013 2083-56830 -5 5 -9:962 -23:776 2137:04105 -7 6 -12:885 -22:891 2184-51425 -4 7 -20:619 -21:421 2290:34567 -3 8 -20:644 -29:243 2223-73:156 -1 9 -20:862 -36:691 2710.55023 10 -13:376 -36:705 2116-09941 11 -0:619 -37:129 2073-49100 2 12 -1:365 -43:724 2100.50610 10 13 -1:061 -37:341 2071.16147 14 14 -0:687 -30:947 2081.36637 -11 15 -0:227 -24:244 2133.73178 -10 16 0:356 -16:818 2237.33884 -9 17 -5:572 -16:182 2243-26700 -7 18 -12:746 -14:813 2299-98590 -6 19 -20:857 -12:319 2426-97861 -4 19 -20:857 -12:319 2426-97861 -3 11:35 -18:696 2486.65002 -2 22 -29:784 -27:980 2398-86523 -1 23 -29:904 -36:479 2380.3521 24 -30:446 -45:012 2433.37333 12 25 -21:265 -44-077 2246.33773 37 25 -21:265 -44-077 2246.33773	921 MS  S/( A/MS  8.7 / 1.1  6.3 1-2  6.7 2-0  6.4 2 3-8  4.0 5-4  9.2 8-4  9.2 8-4  9.3 1-6  6.8 1-9  9.2 3-3  7.8 3-4  9.7 6-8  1.2 11-2  1.5 18-3  7.9 30.7  6.8 1-9  1.9 11-4  9.7 -9  1.9 11-4  9.7 -9  1.0 11-4  9.5 -9  9.6 -9  9.6 -9  9.7 -9  9.7 -9  9.8	TAB NC  SEC TO IMPAC 1070.879  AZSUN AZA -76.2 75.2 -78.9 63.7 -80.5 77.5 -81.7 51.6 -82.6 35.0 -81.0 77.1 70.7 -72.9 86.2 -76.2 83.4 -80.5 77.5 -84.6 66.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -84.7 33.9 -85.8 66.9 -83.6 63.7 -77.7 75.6 -83.6 63.7 -77.2 75.4 -77.7 75.4 -77.7 75.4 -77.7 15.4 -77.9 86.2	ALT 2067-1784'  102.73901 101.08275 77.41794 98.56126 100.5983 103.32635 107.85990 105.19176 104.05057 7100.08936 97.41794 96.55181 94.92706 102.65117 104.10755 107.26850 112.73663 122.73660 122.73660 122.7	ATLAS PHOTO NO  LAT LUN 9 -3.358 -355.641  B/A AZPHAZ INC 0.899 -95.1 70. 0.998 -95.5 50. 0.997 -85.1 57. 0.987 -85.1 57. 0.988 -90.1 52. 0.884 -90.1 65. 0.787 -95.7 68. 0.884 -90.1 52. 0.998 -85.5 50. 0.998 -85.5 50. 0.998 -85.5 50. 0.999 -85.1 43. 0.984 -81.5 50. 0.999 -85.1 43. 0.984 -81.5 50. 0.999 -85.1 43. 0.984 -81.5 50. 0.999 -85.2 14. 0.984 -81.5 50. 0.999 -80.8 56. 0.998 -80.8 56. 0.999 -80.8 56. 0.999 -80.8 56. 0.999 -80.8 56. 0.998 -80.8 56. 0.999 -80.8 56. 0.99	4	POD SEQUENCE NO 14  V PTH AZ 1.941 -74.673 117.017  31.6 0. 10 -1 12.5 375.19687 1- 2 -2.5 287.16910 2- 3 9.4 196.36361 3- 4 12.6 206.16183 4- 5 22.1 211.36198 5- 6 21.1 238.10357 6- 7 7.2 223.14123 7- 8 -6.0 209.61508 8- 9 -3.1 226.88130 9-10 -2.5 204.14736 10-11 15.0 255.3820 11-12 -3.5 193.59803 12-13 8.1 193.59803 12-13 8.1 193.96902 13-14 20.0 203.49469 14-15 32.5 225.62853 15-16 34.4 180.58815 16-17 35.7 221.10642 17-18 36.8 346.73718 19-20 38.8 346.73718 19-20 38.8 346.73718 19-20 38.8 346.73718 19-20 38.8 346.73718 19-20 38.8 346.73718 19-20 38.8 346.73718 19-20 21.2 23.25062 22-21 22.4 243.80223 21-22 21.2 3.25062 22-21
JULY 31,1964 13 HR 9 MIN 7 SEC  TRAJECTERY DATA  PHOTO DATA  P1 LAT LON RANGE AZ 1 -12.157 -17.422 2252.65494 -2 2 -13.099 -30.080 2126.98899 -2 3 -0.619 -37.129 2073.49100 -7 4 -6.312 -30.013 2083.56830 -5 5 -5.96.2 -23.776 2137.04105 -7 6 -12.885 -22.891 2184.51425 -4 7 -20.619 -21.421 2290.34567 -3 8 -20.644 -29.293 2223.75156 -1 9 -20.862 -36.691 2210.55023 10 -13.376 -36.905 2116.04941 11 -0.659 -37.129 2073.49100 2 12 -1.365 -43.724 2100.50610 10 13 -1.061 -37.341 2071.16147 14 14 -0.687 -30.947 2081.30637 -11 15 -0.227 -24.244 2133.73178 -0 17 -5.572 -16.182 2243.223.73384 -9 17 -5.572 -16.182 2243.2237.33884 -9 17 -5.572 -16.182 2243.226700 -7 18 -12.746 -14.813 2299.98590 -6 19 -20.857 -12.319 2426.97861 -4 20 -31.273 -7.018 2680.56091 -3 21 -30.135 -18.696 2486.64502 -2 22 -29.784 -27.980 2398.86523 -1 23 -29.904 -36.479 2380.34521 24 -30.446 -45.012 2423.37333 25 -21.265 -44.097 2246.33777 22 26 -13.721 -13.727 2148.45831	921 MS  5/L AZM 8.7 7.1.1 6.3 5.2 6.7 2.0 6.2 3.8 4.0 5.4 4.7 12.8 6.5 7.3 5.7 1.6 9.5 18.8 6.7 2.0 6.8 1.0 6.8 1.0 6.8 2.9 7.2 8.3 7.8 3.4 9.7 6.8 1.2 11.5 7.5 18.3 7.9 30.7 6.3 21.1 2.0 11.4 4.1 1.4 9.5 -9.0 6.4 -4.3	TAB NC  SEC TO IMPAC 1070.879  AISUN AIA -76.2 75.2 -78.9 63.7 -80.5 77.5 -81.7 51.6 -82.6 35.0 -81.0 57.3 -77.1 70.7 -72.9 86.2 -76.2 83.4 -80.5 77.5 -84.6 36.9 -84.7 33.9 -84.8 66.9 -84.7 33.9 -84.8 66.9 -84.7 33.9 -84.8 66.9 -84.7 33.9 -85.8 84.8 66.9 -84.7 33.9 -85.8 84.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9 -85.8 66.9	ALT 2067.1984' 102.73901 101.08275 97.41794 98.56126 100.59383 103.32635 107.85990 109.19176 104.05057 104.05057 104.0755 107.26850 112.73663 122.93880 115.55221 11.92657 110.48930 106.21387	## LUN   STATE   STATE	4	V PTH AZ 1.941 - 74.673 117.017  ILPHA SCALE PT-PT 31.6 0. 0-1 9.3 375.19687 1-2 -2.5 287.16910 2-3 9.4 196.36361 3-4 21.6 206.16183 4-5 22.1 211.36198 5-6 22.1 211.36198 5-6 22.1 213.610357 6-7 7.2 223.14123 7-8 -6.0 209.61508 8-9 -3.1 226.88130 9-10 -2.5 207.61736 10-11 -15.0 255.39820 11-12 -3.5 193.59803 12-13 8.1 193.96902 13-14 20.0 203.49469 14-15 32.5 225.62853 15-16
JULY 31,1964 13 HR 9 MIN 7 SEC  TRAJECTERY DATA  PHOTO DATA P1 LAT LON RANGE AZ 1 -12,177 -17,422 2252,65494 -2 2 -13,099 -30,000 2126,98899 -2 3 -0.613 -31,129 2073,45100 2 4 -0.312 -30,613 2083,56830 -5 5 -9,962 -23,776 2137,04105 -7 6 -12,805 -22,891 2184,51425 -4 1 -20,619 -21,421 2290,34567 -3 8 -20,644 -29,293 223,75156 -1 9 -20,862 -36,691 2210,55023 10 -13,376 -36,705 2116,04941 11 -6,639 -37,129 2073,49100 2 12 -13,05 -43,724 2100,50610 10 13 -1,061 -37,341 2071,16147 14 14 -0,687 -30,947 2081,36,847 15 -0,227 -24,244 2133,73178 -10 16 0,356 -16,818 2237,33884 -9 17 -5,572 -16,182 2243,26700 -7 18 -12,746 -14,813 2299,98590 -6 19 -20,857 -12,319 2426,97861 -4 20 -31,273 -7,018 2680,56091 -2 21 -30,155 -18,696 2486,64502 -2 22 -29,784 -27,980 2486,64502 -2 22 -29,784 -27,980 2488,64523 -1 23 -29,904 -36,479 2380,34521 24 -30,446 -45,012 2423,37331 1 25 -21,265 -44,077 2246,36777 26 -13,721 -43,727 2148,45831 3 27 -6,957 -43,688 2103,7276	921 MS  S/( A/MS  8.7 / 1.1  6.3 1-2  6.7 2-0  6.4 2 3-8  4.0 5-4  9.2 8-4  9.2 8-4  9.3 1-6  6.8 1-9  9.2 3-3  7.8 3-4  9.7 6-8  1.2 11-2  1.5 18-3  7.9 30.7  6.8 1-9  1.9 11-4  9.7 -9  1.9 11-4  9.7 -9  1.0 11-4  9.5 -9  9.6 -9  9.6 -9  9.7 -9  9.7 -9  9.8	TAB NO  SEC TO IMPAC 1070.879  AZSUN AZA -76.2 75.2 -78.9 63.7 7.5 -81.7 51.6 -82.6 35.0 -81.2 48.3 -77.1 70.7 -72.9 46.7 -80.5 77.5 -84.6 66.9 -84.6 33.0 -84.0 26.6 -83.5 31.3 -83.1 24.6 -83.5 31.3 -83.1 24.6 -83.5 31.3 -83.1 24.6 -83.5 31.3 -83.1 24.6 -83.5 36.9 -84.7 2.6 -85.8 46.2 -92.9 93.4 -83.4 63.7 -77.2 75.8 -85.8 46.2 -72.6 53.4 -77.2 75.4 -77.2 75.4 -77.2 75.4 -77.2 12.4 -77.2 14.8 -77.2 14.8	ALT 2067-1784'  102.73901 101.08275 77.41794 98.56126 100.5983 103.32635 107.85990 105.19176 104.05057 7100.08936 97.41794 96.55181 94.92706 102.65117 104.10755 107.26850 112.73663 122.73660 122.73660 122.7	ATLAS PHOTO NO  LAT LUN 9 -3.358 -355.641  B/A AZPHAZ INC 0.899 -95.1 70. 0.998 -95.5 50. 0.997 -85.5 51. 0.70 -70 -70 -70 -70 -70 -70 -70 -70 -70 -	4	POD SEQUENCE NO 14  V PTH AZ 1.941 -74.673 117.017  31.6 0. 0-1 9.3 375.19687 1-2 -2.5 287.16910 2-3 9.4 196.36361 3-4 121.6 206.16183 4-5 122.1 211.36198 5-6 12.1 238.10359 6-7 7.2 223.14123 7-8 -6.0 209.61508 8-9 -3.1 226.8130 9-10 -2.5 204.14736 10-11 15.0 255.3820 11-12 -3.5 193.59803 12-13 8.1 193.794902 13-14 20.0 203.49469 14-15 32.5 225.62853 15-16 34.4 180.58315 15-16 34.4 180.58315 15-16 34.4 180.58315 15-16 34.4 180.58315 15-16 34.4 180.58315 15-16 34.4 180.58315 15-16 34.4 180.58315 15-16 34.4 180.58315 15-16 34.4 180.58315 15-17 21.10642 17-18 36.4 256.09712 18-19 36.8 346.73718 19-20 18.5 305.93846 20-21 2.4 243.80223 21-24 21.2 32.25062 22-23 226.7 223.98882 23-24 -19.0 279.21042 24-25 -15.5 228.73829 25-26

				IV-AH	I CAMER	A FA							3
JULY 31,1964 1	3 HR 9 MIN 13	SEC 41	l MS		TAB NO	5	ATL	AS PHOTO	ON C	5	POD	SEQUENCE NO	0 16
TRAJECTORY DATA	1				IMPACT .759	ALT 2057.6111	LA		UN		v	PTH	AZ
PHOTO DATA PT LAT LOS		. 1.5.75										3 -74.646 11	17.012
1 -12-148 -17-4	39 2242.31372	AZ\$/C	A Z N 7 . L	AZSUN -76.2	75.1	A* 102.27399	B/A 0.900	AZPHAZ ~93.1	1 NC D	PHAZ EMIS 38.2 35.4	AL PHA 31.6	SCALE 0.	PT-PT
2 -13.098 -30.6	43 2117.34268	-26.4	5.2	-78.9	63.6	100.62526	0.938	-90.1		47.5 20.3	9-3	373.61036	0- 1 1- 2
3 -6.668 -37.6 4 -6.342 -30.5	061 2063.90353 674 2074.06531	26.1 -56.1	2.U 3.8	-80.5 -81.7	77.3 51.7	96.96887 98.11170		-85.5		53.1 6.6	-2.5	285.89082	2- 3
5 -5.994 -23.	68 2127.32544	-73.9	5.4	-82.5	35.1	100.13639	0.936	-85.1 -84.6		47.7 10.7 42.3 21.9	9.4 21.6	195.46764	3- 4 4- 5
	86 2174.65802 25 2279.93097		8.4	-81.2	48.3	102.86015	0.885	-90.1	65.5	42.0 28.3	22.1	210.42027	5- 6
	59 2213.63031		12.8	-81.0 -77.1	57.2 70.6	107.36947		-95.7 -95.2		42.3 38.7	21.1	236.98810	6- 7
9 -20.824 -36.6	22 2200.33240	5.6	1.7	-73.0	86.0	103.56952		-94.8		47.7 32.6 53.1 31.2	7.3 -5.9	222.12752	7- 8 8- 9
	37 2106.33234		1.8	-76-2	83.2	99.62973	0.953	-90.1	52.2	52.9 18.4	-3.1	225.75749	9-10
	61 2063.90353 23 2090.41895		2.0	-80.5 -84.6	77.3 33.9	96.96887 96.09023		-85.5 -82.1		53.1 6.6 58.7 15.1	-2.5	203.21949	
13 -1.115 -37.2	72 2061.44681	146.5	2.3	-84.8	66.7	94.46987		-81.5		53.5 5.2	-14.9 -3.4	254.09338 192.55337	
	08 2071.67059		2.9	-84.6	34.1	96.80026		-80.8	56.6	48.3 9.9	8.1	193.07083	13-14
	36 2123.87726 46 2226.87970		3.3	-84.2 -83.2	18.8	98.82962		-79.9 -78.9		43.0 21.4	20.0	202.55877	
17 -5.606 -16.2	10 2232.95346	-79.6	6.9	-83.0	24.7	103.62874		-84.1	71.4	37.8 33.9 37.0 34.5	32.4	224.52192 179.75102	
	47 2289.47000 71 2415.69397		11.5	-83.5	36.9	106.77806		-90.2	73.3	36.7 39.5	35.7	220.10609	
	33 2667.02209		18.2 30.5	-85.8 -92.8	46.3 53.4	112.21260		-96.3		37.0 48.6 38.0 62.6	36.3	254.82311	
21 -30-047 -18-3	24 2474.85516	-26.4	21.0	-83.4	63.6	115.00534				43.2 52.3	38.7 18.5	344.29651 303.92792	
	55 2387.59006 06 2368.97647		11.4	-11.2	15.3	111.40031			64.4	40.4 46.8	2.4	242.61318	21-22
	87 2411.33890		1.5 -8.9	-71.6 -65.4	88.1	109.96138		-99.3 -98.6		53.7 45.5	-12.2	222.20652	22-23
25 -21.223 -43.9	89 2235.67075	26.3	-4.2	-68.0	12.2	103.75447		-94.4		58.9 48.4 58.4 34.7		222.80655 277.54830	
26 -13.716 -43.6 27 -6.984 -43.5	26 2138.33282	39.5	-1.7	-72.6	14.6	99.74155		-90.1	45.8	58.2 23.6	-15.4	227.60690	
27 -6.984 -43.5 28 -1.419 -43.6	38 2093.96140 23 2090.41895	68.0 106.7	0.1	-78.6 -84.6	20.2 33.9	97.28230		-85.8 -82.1	44.5	58.4 15.9 58.7 15.1	-14.3	203.94665	
							0.770	-02.1	43.9	20.7 12.1	-14.9	168.58076	21-28
JULY 31,1964 13	HR 9 MIN 18	SEC 160	MS		TAB NO	6	ATL	AS PHOTO	NO	6	POD	SEQUENCE NO	18
TRAJECTURY DATA				SEC TO		AL T	LA		UN	R	ν	РТН	AZ
PHOTO DATA				990.	.639	2048.01675	-3.	394 -35	.570	3783.47	2 1.944	-74.618 11	
PT LAT LON		AZS/C	AZN	AZSUN	AZA	A •	B/A	AZPHAZ	INCO	PHAZ EMIS	AL DHA	SCALE	PT-PT
	57 2232.08359		7.1	-76.2	75.0	101.80908		-93.1	70.7	38.2 35.3	31.5	0.	0-1
2 ~13.099 -30.0 3 -6.698 -36.9	11 2107.69724 98 2054.32242	-26.4 25.6	5.2 2.1	-78.9 -80.5	63.6 77.1	96.52148		-90.1		47.5 20.3	9.3	372.17288	1- 2
4 -6.373 -30.5	40 2064.53537	-56.0	3.8	-81.7	51.7	97.66088		-85.5 -85.1		53.1 6.6 47.7 10.7	-2.4 9.4	284.60721 194.56906	2- 3 3- 4
5 -6.027 -23.1	65 2117.54584	-73.8	5.4	-82.5	35.2	99.67597	0.936	-84.6		42.3 21.9	21.6	204.28436	4-5
6 -12.888 -22.8 7 -20.551 -21.4	87 2164.74323 34 2269.46207	-49.1 -34.8	8.4 12.8	-81.2 -81.0	48.3 57.3	102.39117		-90.2		42.0 28.3	22.0	209.47423	5- 6
8 -20.575 -29.2	31 2203.49991		7.3	-77.1	70.5	106.87647		-95.7 -95.2		42.3 38.6	7.3	235.86979 221.09755	6- 7 7- 8
	58 2190.14612	5.5	1.7	-73.0	85.9	103.08998	0.864	-94.8		53.1 31.1	-5.9	207.70833	8- 9
	73 2096.63168 98 2054.32242	9•1 25•6	2.1	-76.2 -80.5	83.1 77.1	99.17088		-90.1		52.9 18.4	-3.0	224.69207	9-10
12 ~1.474 -43.5	28 2080.36594	106.5	1.5	-84.5	33.1	96.52148 95.62815		-85.5 -82.1		53.1 6.6 58.8 15.0	-2.4 -14.8	202.29476 252.85444	
	08 2051.73172		2.3	-84.7	66.6	94.01338	0.984	-81.5	50.3		-3.4	191.60566	
	73 2062.00150 32 2113.95245		2.9 3.3	-84.6 -84.1	34.3 19.0	96.34378		-80.8		48.3 9.9	8.1	192.16940	
16 0.231 -16.8	80 2216.30106		3.5	-83.2	11.6	101.68539		-79.9 -78.9		43.0 21.3 37.8 33.8	20.0 32.4	201.60867 223.38511	14-15
	44 2222.52649	-79.5	6.9	-83.0	24.8	103.14470	0.843	-84.1		37.0 34.4	34.3	178.90974	16-17
	88 2278.84222 31 2404.29153	-61.1 -47.4	11.5	-83.5 -85.7	37.0 46.3	106.28237	0.786	-90.2		36.7 39.4	35.6	219.09606	17-18
20 -31.071 -7.2	57 2653.34637	-37.9	30.4	-92.7	53.4	121.69109	0.479	-96.3 -102.2		37.1 48.6 38.1 62.4	36.2 38.5	253.53683 341.83538	
21 -29.961 -18.7	58 2463.01703	-26.4	20.9	-83.4	63.6	114.45522	0.626	-101.1	72.1	43.2 52.2	18.5	301.85615	
	36 2376.323 <i>1</i> 3 40 2357.66898	-12.0 4.0	11.4	-77.2 -71.6	75.2 88.0	110.87463		-100.1 -99.3	64.3	48.4 46.7	2.5	241.40196	
24 -30.259 -44.7	69 2399.43265	19.4	-8.7	-65.5	11.2	109.43641		-99.3	51.2	53.7 45.4 58.9 48.3	-12.1	221.16140 221.64863	
	87 2225.05099	26.2	-4.2	-68.1	12.1	103.26153	0.841	-94.4	48.0	58.4 34.7	-18.8	275.92435	
	30 2128.26215 44 2084.03677	39.3 67.7	-1.7 0.2	-72.7 -78.6	14.3	94.27176 96.82122		-90.1 -85.8	45.9	58.2 23.5	-15.3	226.49074	25-26
	28 2080.36594	106.5	1.5	-84.5	33.1	95.62815		-82.1	44.0	58.4 15.8 58.8 15.0	-14.8	202.99593 167.77838	

JULY 31,1964 13 HR 9 MIN 23 SEC 280 MS	TAB NO	7	ATLAS PHOTO NO	7 POD SEQUENCE NO 20
TRAJECTURY DATA	SEC TO IMPACT 985.519		LAT LON -3.412 -35.535	R V PTH AZ 3773.871 1.946 -74.591 117.002
PHOTO DATA				
PT LAT LON RANGE AZS/C AZ			B/A AZPHAZ INCD .900 -93.1 70.6	PHAZ EMIS ALPHA SCALE PT-PT 38.2 35.3 31.5 0. 0-1
1 -12.131 -17.475 2221.78467 -8.9 7. 2 -13.101 -29.980 2098.04202 -26.5 5.		99.70801 0	.938 -90.1 58.7	47.5 20.3 9.3 370.75562 1- 2
3 -6.728 -36.935 2044.73697 25.2 2.	-80.5 77.0	96.07414 0	.998 -85.5 51.0	53.1 6.7 -2.4 283.32178 2- 3 47.7 10.8 9-4 193.66958 3- 4
4 -6.405 - 30.507 2054.99530 -55.9 3.		97.20958 0		47.7 10.8 9.4 193.66958 3- 4 42.3 21.9 21.5 203.33611 4- 5
5 -6.001 -23.763 2107.75034 -73.7 5. 6 -12.891 -22.888 2154.81253 -49.1 8.		99.21480 0		42.1 28.3 22.0 208.52660 5- 6
7 -20.517 -21.444 2258.97791 -34.8 12.		106.38275 0	.789 -95.7 68.0	42.4 38.6 21.0 234.75055 6- 7
8 -20.541 -29.203 2193.36108 -16.7 7.		103.75411 0		41.1 32.3 1.3 220.0011.
9 -20.753 -36.495 2179.95868 5.4 1. 10 -13.373 -36.711 2086.92752 9.0 1.		102.61039 U 98.71184 0		52.9 18.4 -3.0 223.62745 9-10
10 -13.373 -36.711 2086.92752 9.0 1. 11 -6.728 -36.935 2044.73697 25.2 2.		96.07414 0	.998 -85.5 51.0	53.1 6.7 -2.4 201.37002 10-11
12 -1.529 -43.433 2070.31561 106.4 1.		95.16620 0		58.8 14.9 -14.7 251.61658 11-12 53.6 5.0 -3.3 190.65912 12-13
13 -1.227 -37.144 2042.01242 146.5 2. 14 -0.848 -30.839 2052.32239 -115.7 2.		93.55704 0	0.984 -81.5 50.3 0.999 -80.8 56.6	53.6 5.0 -3.3 190.65912 12-13 48.3 9.9 8.2 191.26709 13-14
14 -0.858 -30.839 2052.32239 -115.7 2. 15 -0.406 -24.229 2104.01212 -101.7 3.		97.90494 0	.951 -79.9 63.2	43.0 21.3 19.9 200.65599 14-15
16 0.167 -16.914 2205.70071 -97.5 3.	5 -83.2 11.8	101-19884 0	.859 -78.9 70.5	37.9 33.8 32.3 222.24409 15-16
17 +5.677 -16.279 7212.07718 -79.4 6.		102.65965 0		37.1 34.4 34.3 178.06702 16-17 36.7 39.4 35.5 218.08384 17-18
18 -12.753 -14.929 2268.19162 -61.1 11. 19 -20.768 -12.491 2392.86679 -47.4 18.		105.78562 0		37.1 48.5 36.1 252.24905 18-19
19 -20.748 -12.491 2392.86679 -47.4 18. 20 -30.970 -7.381 2639.66226 -37.9 30.			.482 -102.2 82.0	38.1 62.3 38.3 339.38511 19-20
21 -29.876 -18.793 2451.16858 -26.4 20.		113.90463		43.2 52.1 18.4 299.78663 20-21 48.5 46.6 2.5 240.18771 21-22
22 -29.534 -27.917 2365.05414 -12.1 11.			0.699 -100.1 64.3 0.719 -99.3 57.5	48.5 46.6 2.5 240.18771 21-22 53.7 45.3 -12.0 220.11575 22-23
23 -29.647 -36.274 2346.36755 3.9 1. 24 -30.167 -44.653 2387.54642 19.3 +8.		109.25688		58.9 48.1 -26.2 220.49524 23-24
25 -21.145 -43.786 2214.43927 26.1 -4.		102.76895	).842 -94.4 48.0	58.4 34.6 -18.7 274.30956 24-25
26 -13.711 -43.435 2118.19540 39.2 -1.		98.80215 (	.934 -90.1 46.0	58.3 23.5 -15.2 225.37697 25-26 58.4 15.8 -14.1 202.04574 26-27
27 -7.041 -43.350 2074.11469 67.5 0. 28 -1.529 -43.433 2070.31561 106.4 1.		96.36026 (	).984 -85.8 44.1 ).999 -82.1 44.1	58.8 14.9 -14.7 166.97634 27-28
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	TAB NO			
	IND IN	8	ATLAS PHOTO NO	8 POD SEQUENCE NO 22
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JULY 31,1964 13 HR 9 MIN 28 SEC 400 MS TRAJECTURY DATA	SEC TO IMPAC	I ALT	LAT LUN	R V PTH AZ
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TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ  1 -12.122 -17.492 2211.47656 -9.0 7. 2 -13.102 -29.948 2088.37860 -26.5 5 3 -6.758 -36.872 2035.14465 24.7 2.	SEC TO IMPAC 980.399 N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 1 -80.5 76.8	ALT 2028.80682 A. 100.87818 ( 94.24876 ( 95.62651 (	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 0.900 -93.1 70.6 0.938 -90.1 58.7 0.998 -85.5 51.0	R V PTH AZ 3764-262 L.948 -74-563 116-998 PHAZ EMIS ALPHA SCALE PT-PT 38-3 35-3 31-5 0. 0-1 47-5 20-3 9-3 369-33178 1-2 53-1 6-7 -2-4 282-03518 2-3 47-7 10-8 9-4 192-76944 3-4
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TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZS/C 1-12-122 -17.492 2211.47656 -9.0 7. 2 -13.102 -29.948 2088.37860 -26.5 5. 3 -6.758 -36.872 2035.14465 24.7 2. 4 -6.437 -30.473 2045.44821 -55.7 3. 5 -6.094 -23.760 2097.94849 -73.6 5. 6 -12.893 -22.889 2144.87433 -49.0 8.	SEC TO IMPAC 980-399 N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 1 -80.5 76.8 8 -81.7 51.8 8 -81.7 51.8 5 -82.5 35.5	7 ALT 2028.80682 A* 100.87818 99.24876 95.62651 96.75794 98.75334 101.45135	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 0.900 -93.1 70.6 0.938 -9u.1 58.7 0.998 -85.5 51.0 0.998 -85.1 57.3 0.936 -84.7 64.0 0.885 -90.2 65.5	R V PTH AZ 3764-262 1-948 -74-563 116-998  PHAZ EMIS ALPHA SCALE PT-PT 38.3 35.3 31.5 0. 0-1 47.5 20.3 9.3 369-33178 1-2 53.1 6.7 -2-4 282-03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.1 28.3 22.0 207.57822 5-6
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TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ  1 -12.122 -17.492 2211.47656 -9.0 7. 2 -13.102 -29.948 2088.37860 -26.5 5. 3 -6.758 -36.872 2035.14465 24.7 2. 4 -6.437 -30.473 2045.44821 -55.7 3. 5 -6.094 -23.760 2097.9489 -73.6 5. 6 -12.893 -22.889 2144.87433 -49.0 8. 7 -20.403 -21.455 2248.48624 -34.7 12. 8 -20.507 -29.175 2183.21375 -16.7 7.	SEC TO IMPAC 980.399 N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 1 -80.5 76.8 8 -81.7 51.8 8 -81.7 51.8 4 -81.2 48.4 7 -81.0 57.3 3 -77.2 70.5	ALT 2028.80682 A. 100.87818 ( 95.62651 ( 96.75794 ( 98.75334 ( 101.45135 ( 105.88868 (	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 0.900 -93.1 70.6 0.938 -90.1 58.7 0.998 -85.5 51.0 0.987 -85.1 57.3 0.936 -84.7 64.0 0.885 -90.2 65.5 0.789 -95.7 68.0 0.864 -95.7 68.0	R V PTH AZ 3764-262 1.948 -74-563 116-998  PHAZ EMIS ALPHA SCALE PT-PT 38.3 35.3 31.5 0. 0-1 47.5 20.3 9.3 369.33178 1-2 53.1 6.7 -2-4 282.03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.1 28.3 22.0 207.57822 5-6 42.4 38.6 21.0 233.63063 6-7 47.8 32.5 7.3 219.03104 7-8 53.2 31.1 -5-7. 205.79771 8-9
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -12.122 -17.492 2211.47656 -9.0 7. 2 -13.102 -29.948 2088.37860 -26.5 5. 3 -6.758 -36.872 2035.14465 24.7 2. 4 -6.437 -30.473 2045.44821 -55.7 3. 5 -6.094 -23.760 2097.74849 -73.6 5. 6 -12.893 -22.889 2144.87433 -49.0 8. 7 -20.483 -21.455 2248.48624 -34.7 12. 8 -20.507 -29.175 2183.21375 -16.7 7. 9 -20.717 -36.431 2169.76294 5.4 10 -13.372 -36.648 207.21530 8.9 1.	SEC TO IMPAC 980.399 N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 1 -80.5 76.8 8 -81.7 51.8 8 -81.7 51.8 7 -81.0 57.3 3 -77.2 70.5 7 -73.1 85.7 7 -73.1 85.7	ALT 2028.80682 Ae- 100.8781818 99.24876 95.62651 96.75794 101.45135 105.88868 103.27409 102.13041 98.25244	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 0.938 -90.1 70.6 0.938 -90.1 58.7 0.998 -85.5 51.0 0.987 -85.5 57.3 0.986 -84.7 64.0 0.887 -90.2 65.5 0.789 -95.7 68.0 0.8647 -95.2 60.9 0.864 -94.8 54.4 0.953 -90.1 52.3	R V PTH AZ 3764.262 1.948 -74.563 116.998 PHAZ EMIS ALPHA SCALE PT-PT 38.3 35.3 31.5 0. 0-1 47.5 20.3 31.6 .928 1-2 53.1 6.7 2-2.4 282.03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.1 28.3 22.0 207.57822 5-6 42.4 38.6 21.0 233.63063 6-7 47.8 32.5 7.3 219.03104 7-8 53.2 31.1 -5.7 205.79771 8-9 52.9 18.4 -3.0 222.56201 9-10
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TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -12.122 -17.492 2211.47656 -9-0 7. 2 -13.102 -29.948 2088.37860 -26.5 5. 3 -6.758 -36.872 2035.14465 24.7 2. 5 -6.094 -23.760 2097.94849 -73.6 5. 6 -12.993 -22.889 2144.87433 -49-0 8. 7 -20.483 -21.455 2248.48624 -34.7 12. 8 -20.507 -29.175 2183.21375 -16.7 7. 9 -20.717 -36.431 2169.76294 5.4 10-13.372 36.648 2077.21530 89 11. 10 -13.372 -36.648 2077.21530 89 11. 11 -6.758 -36.872 2035.14465 24.7 2. 12 -1.585 -43.338 2000.26114 106.2 13 -1.883 -1.70.80 2032.28781 146.5 2.	SEC TO IMPAC 980.399  N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 76.8 8 -81.7 51.8 5 -82.5 35.5 7.8 7 -781.0 57.3 3 -77.2 185.7 7 -76.3 82.8 1 -80.5 76.8 5 -84.4 31.6 66.3 -84.6 66.3	1 ALT 2028-80682 100.87818 (99.24816 (95.6265) (96.75794 (101.45135 (101.45135 (103.27409 (103.2740	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 0.990 -93.1 70.6 0.938 -90.1 58.7 0.998 -85.5 51.0 0.987 -85.1 57.3 0.986 -90.2 65.5 0.789 -95.7 68.0 0.887 -95.2 60.9 0.847 -95.2 60.9 0.847 -95.2 50.9 0.857 -90.1 52.3 0.999 -85.5 51.0 0.999 -85.5 50.4 0.999 -85.1 50.4 0.999 -85.1 50.4 0.999 -85.1 50.4	R V PTH AZ 3764.262 1.948 -74.563 116.998  PHAZ EMIS ALPHA 38.3 35.3 31.5 0. 0-1 47.5 20.3 9.3 369.33178 1-2 53.1 6.7 -2.4 282.03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.1 28.3 22.0 207.57822 5-6 42.4 38.0 21.0 233.63063 6-7 47.8 32.5 7.3 219.03104 7-8 53.2 31.1 5-7 205.78771 8-9 52.9 18.4 -3.0 222.56201 9-10 53.1 6.7 -2.4 200.44424 10-11 53.6 4.9 -3.3 189.71255 12-13 48.3 9.8 8.7 189.71255 12-13
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TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ  1 -12.122 -17.492 2211.47656 -9.0 7.  2 -13.102 -29.948 2088.37860 -26.5 5.  3 -6.758 -36.872 2035.14465 24.7 2.  5 -6.094 -23.160 2097.94849 -73.6 5.  6 -12.893 -22.889 2144.81433 -49.0 8.  7 -20.483 -21.455 2248.48624 -34.7 12.  8 -20.507 -29.175 2183.21375 -16.7 7.  9 -20.717 -36.431 2169.76294 5.4 1013.372 -36.648 2077.21530 8.9 1.  10 -13.372 -36.648 2077.21530 8.9 1.  11 -6.758 -36.872 2035.14465 24.7 2.  12 -1.585 -43.338 2060.26114 106.2 1.  13 -1.283 -37.080 2032.28781 146.5 2.  14 -0.916 -30.805 2042.63785 -115.3 2.  15 -0.466 -24.227 2094.06711 -101.0 3.  16 0.104 -16.949 7195.09839 -97.4 5.	SEC TO IMPAC 980.399  N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 76.8 8 -81.7 51.8 8 -81.7 51.8 7 -81.0 57.3 3 -77.2 78.1 1 -80.5 76.8 1 -81.2 48.4 7 -81.0 57.3 3 -77.2 76.3 82.8 1 -80.5 76.8 3 -84.4 31.6 3 -84.	1 ALT 2028.80682 As 100.87818 (99.24876 101.45135 (103.2749) (102.1304) 198.25244 99.62651 (103.2749) (102.1304) 102.1749 (102.1304) 102.1749 (102.1749) (102.1749) (102.1749) (102.1749) (102.1749) (102.1749) (102.1749) (102.17440) (10	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 0.900 -93.1 70.6 0.938 -90.1 58.7 0.998 -85.5 51.0 0.987 -85.1 57.3 0.986 -90.2 65.5 0.789 -95.7 68.0 0.887 -95.2 60.9 0.864 -94.8 54.4 0.999 -85.5 51.0 0.999 -85.5 51.0 0.999 -85.5 55.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7 0.999 -85.1 50.7	R V PTH AZ 3764-262 1.948 -74-563 116-998  PHAZ EMIS ALPHA 38.3 35.3 31.5 0. 0-1 47.5 20.3 9.3 369-33178 1-2 53.1 6.7 -2-4 282-03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.1 28.3 22.0 207.57822 5-6 42.4 38.6 21.0 233.63063 5-7 47.8 32.5 7.3 219.03104 7-8 53.2 31.1 -5.7 205.79771 8-9 52.9 18.4 -3.0 222.56201 9-10 53.1 6.7 -2-4 200.44424 10-11 58.8 14.8 -14.7 250.37842 11-12 53.6 4.9 -3.3 189.71255 12-13 48.3 9.8 8.7 190.36627 13-14 43.0 21.3 19.9 199.71308 14-15 37.9 33.7 32.3 221.10413 15-16 37.1 34.3 34.2 177.22407 16-17 36.8 39.3 35.5 217.07101 17-18
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 - 12 - 122 - 17 - 492 2211 - 47656 - 9-0 7. 2 - 13 - 102 - 29-948 2088 3 7860 - 26-5 5. 3 - 6 - 1758 - 36 - 872 2035 1 14465 24-7 2. 5 - 6 - 194 - 23 - 160 2097 - 94849 - 73 - 6. 5 - 6 - 194 - 23 - 160 2097 - 94849 - 73 - 6. 6 - 12 - 893 - 22 - 889 2 144 - 814 - 33 - 49-9 . 8. 7 - 20 - 493 - 21 - 455 2248 - 48624 - 34 - 7 12. 8 - 20 - 507 - 29-175 2 183 - 12175 - 16-7 7. 9 - 20 - 717 - 36 - 43 1 2 169 - 76294 5.4 1. 0 - 13 - 37 - 2 36 - 648 2077 - 12150 8.9 1. 11 - 6 - 758 - 36 - 872 2035 - 1465 24-7 2. 12 - 1 - 158 - 43 - 338 2060 - 26114 106 - 2. 13 - 1 - 283 - 37 - 080 2032 - 28781 146-5 2. 14 - 0 - 916 - 30 - 805 2042 - 63785 - 115 - 3. 15 - 0 - 466 - 24 - 227 2094 - 06111 - 101 - 3. 16 0 - 104 - 16 - 949 7 195 - 1098 - 97 - 4. 18 - 12 - 756 - 14 - 971 - 227 - 53598 - 61 - 0. 18 - 12 - 756 - 14 - 971 - 227 - 53598 - 61 - 0. 19 - 20 - 712 - 12 - 551 2881 - 48903 - 47 - 4.	SEC TO IMPAC 900.399  N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 76.8 8 -81.7 51.8 8 -81.7 51.8 7 -81.0 57.3 7 -71.1 85.7 7 -77.1 85.7 7 -77.1 85.7 1 -80.5 76.8 3 -84.4 31.6 6 -83.2 12.0 9 -83.5 37.2 5 -83.5 37.2 5 -83.5 37.2	1 ALT 2028.80682 A.   100.87818 (94.24876 495.6265) (95.75744 610.45135 (105.88868 495.244 95.6265) (102.1740) (102.1740) (102.1740) (102.1740) (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17440 105.28863 110.62163 (102.17460 105.1746	B/A AZPHAZ INCD 0.990 -93.1 70.6 0.938 -90.1 56.7 0.988 -90.2 65.5 51.0 0.987 -95.2 60.9 86.5 51.0 0.987 -95.2 60.9 0.864 -94.8 54.4 0.999 -82.1 44.2 0.999 -82.1 44.2 0.999 -80.8 56.7 0.999 -82.1 44.2 0.999 -80.8 56.7 0.999 -80.1 52.3 0.998 -85.5 51.0 0.999 -84.1 76.2 0.986 -78.9 70.5 0.864 -94.8 1.5 50.4 0.999 -80.4 54.3 0.998 -80.1 50.8 0.999 -80.4 56.7 0.999 -80.4 56.7 0.999 -80.4 56.7 0.999 -80.4 56.7 0.999 -80.4 56.7 0.999 -80.4 56.7 0.999 -80.8 56.7 0.5 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	R V PTH AZ 3764-262 1.948 -74.563 116.998  PHAZ EMIS ALPHA 38.3 35.3 31.5 0. 0-1 47.5 20.3 9.3 369.33178 1-2 53.1 6.7 -2.4 282.03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.1 28.3 22.0 207.57822 5-6 42.4 38.6 21.0 233.63063 6-7 47.8 32.5 7.3 219.03104 7-8 53.2 31.1 -5.7 205.79771 8-9 52.9 18.4 -3.0 222.56201 9-10 53.1 6.7 -2.4 200.44424 10-11 58.8 14.8 -14.7 250.37892 11-12 53.6 4.9 -3.3 189.71255 12-13 48.3 9.8 8.7 190.36427 13-14 43.0 21.3 19.9 199.7U308 14-15 37.1 34.3 34.2 21.10413 15-16 37.1 34.3 34.2 277.22407 16-17 36.8 39.3 35.5 217.07101 17-18
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TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 - 12 . 122 - 17.492 2211.47656 - 9.0 7. 2 - 13 . 102 - 29.948 2088.37860 - 26.5 5. 3 - 6.758 - 36.872 2051.4465 24.7 2. 5 - 6.094 - 23.760 2097.94849 - 73.6 5. 6 - 12.893 - 22.889 2144.87433 - 49.0 8. 7 - 20.483 - 21.455 2248.48624 - 34.7 12. 8 - 20.507 - 29.175 2183.21375 - 16.7 7. 9 - 20.717 - 36.431 2169.76294 5.4 1. 10 - 13.372 - 36.648 2077.21530 8.9 1. 11 - 6.758 - 36.872 2035.14465 24.7 2. 12 - 1.585 - 34.333 2060.26114 106.2 1. 13 - 1.283 - 37.080 2032.28781 146.5 2. 14 - 0.916 - 30.805 2042.63785 - 115.3 2. 15 - 0.466 - 24.227 2094.06711 - 101.6 3. 16 0.104 - 16.949 7195.109839 - 977.4 3. 17 - 5713 - 16.314 2201.62378 - 79.4 6. 18 - 12.756 - 14.971 227.53598 - 61.0 11. 9 - 20.712 - 12.551 2881.4903 - 474. 18. 20 - 30.870 - 7.503 2625.9949 - 37.9 30. 21 - 29.700 - 18.828 2439.31738 - 264. 20.	SEC TO IMPAC 980.399  N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 7 -82.5 35.5 4 -81.0 57.6 8 -81.0 57.6 7 -73.1 85.7 7 -73.1 85.7 7 -76.3 82.8 1 -80.5 76.8 3 -84.6 66.3 3 -84.6 66.3 4 -84.1 19.5 6 -83.2 12.0 9 -84.5 76.8	1 ALT 2028.80682 A- 100.87818 (99.24876 (95.6265) (96.75794 (10.45135 (10.45	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 1.900 -93.1 70.6 1.938 -90.1 58.7 1.998 -85.5 51.0 1.987 -85.1 57.3 1.986 -90.2 65.5 1.789 -95.7 68.0 1.8847 -95.2 60.9 1.8846 -94.8 54.4 1.95.3 1.999 -85.5 51.0 1.999 -85.5 51.0 1.999 -85.1 50.4 1.999 -80.8 56.7 1.991 -79.9 63.2 1.860 -78.9 70.5 1.877 -90.2 73.1 1.878 -90.2 73.1 1.878 -90.2 73.1 1.878 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.879 -90.2 73.1 1.979 -9	R V PTH AZ 3764.262 1.948 -74.563 116.998  PHAZ EMIS ALPHA 38.3 35.3 31.5 0. 0-1 47.5 20.3 9.3 369.33178 1-2 53.1 6.7 -2.4 282.03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.1 28.3 22.0 207.57822 5-6 42.4 38.6 21.0 233.63063 6-7 47.8 32.5 7.3 219.03104 7-8 53.2 31.1 -5.7 205.79771 8-9 52.9 18.4 -3.0 222.56201 9-10 53.1 6.7 -2.4 200.44424 10-11 58.8 14.8 -14.7 250.37892 11-12 55.6 4.9 -3.3 189.71255 12-13 48.3 0.2 1.3 19.9 199.70308 14-15 37.1 34.3 34.2 21.10413 15-16 37.1 34.3 34.2 21.10413 15-16 37.1 34.3 34.2 21.70.2207 16-17 36.8 39.3 35.5 217.07101 17-18 38.1 6.7 1 36.1 336.95139 19-20 38.1 6.7 1 38.1 336.95139 19-20
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PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ  1 -12.122 -17.492 2211.47656 -9.0 7.  2 -13.102 -29.948 2088.37860 -26.5 5.  3 -6.758 -36.872 2035.14465 24.7 2.  4 -6.437 -30.473 2045, 44821 -55.7 3.  5 -6.094 -23.760 2097.94849 -73.6 5.  6 -12.893 -22.889 2144.87433 -49.0 8.  7 -20.493 -21.455 2428.48624 -34.7 12.  8 -20.507 -29.175 2183.21375 -16.7 7.  9 -20.717 -36.431 2169.76294 5.4 1.  11 -6.758 -36.872 2035.14465 24.7 2.  12 -1.585 -43.338 2060.26114 106.2 1.  13 -1.283 -37.080 2032.28781 146.5 24.7 2.  14 -0.916 -30.805 2042.63785 -115.3 2.  15 -0.466 -74.227 2094.06711 -101.6 3.  16 0.104 -16.949 7195.09839 -97.4 3.  17 -5.713 -16.314 2201.62378 -79.4 6.  18 -12.756 -14.471 2257.53598 -61.0 11.  20 -30.870 -7.97.97 2353.77838 -71.9 30.  21 -29.790 -18.828 2439.31738 -26.4 20.  22 -29.451 -27.897 2353.77838 -12.1 1.  23 -29.503 -16.209 2335.06027 3.8 1.  24 -30.076 -44.336 2203.52083 26.0 -4  5 -21.105 -34.865 2203.52083	SEC TO IMPAC 900-399  N AZSUN AZA 1 -76-3 74-9 2 -78-9 63-5 5 -82-5 35-5 4 -81.2 48-4 7 -81.0 57-3 3 -77-2 70-5 7 -73.1 85-7 9 -76-3 82-8 1 -80-5 76-8 3 -84-6 66-3 9 -84-5 12-0 9 -83-0 25-1 5 -83-2 12-0 9 -83-0 25-1 1 -85-7 46-4 7 -83-4 63-6 3 -77-3 75-1 1 -85-7 46-4 7 -83-4 63-6 71-7 87-8	1 ALT 2028-80682  A-100.67818 (99.24876 (95.6265) (96.75794 (98.75334 (101.45135 (19.85868 (19.25244 (19.85234 (19.85234 (19.8533	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 1.900 -93.1 70.6 1.938 -90.1 58.7 1.908 -85.5 51.0 1.987 -85.1 57.3 1.936 -90.2 65.5 1.0.887 -95.2 60.9 1.884 -94.8 54.4 1.95 -90.1 52.3 1.999 -85.5 51.0 1.999 -85.5 51.0 1.999 -85.5 51.0 1.999 -85.1 50.4 1.999 -80.8 56.7 1.951 -79.9 63.2 1.964 -84.1 71.3 1.979 -90.2 76.2 1.984 -81.5 50.4 1.999 -80.8 56.7 1.951 -79.9 63.2 1.960 -787 -90.2 73.1 1.970 -90.1 72.3 1.970 -100.1 64.3 1.720 -99.3 57.6 1.720 -99.3 57.6 1.842 -99.4 88.5 51.0	R V PTH AZ 3764-262 1-948 -74-563 116-998  PHAZ EMIS ALPHA 38.3 35.3 31.5 0. 0-1 47.5 20.3 9.3 369-33178 1-2 53.1 6-7 -2-4 282-03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.1 28.3 22.0 207.57822 5-6 42.4 38.0 21.0 233.63063 6-7 47.8 32.5 7.3 219.03104 7-8 53.2 31.1 5-7 205.79771 8-9 53.2 31.1 5-7 205.79771 8-9 53.1 6.7 -2-4 200.44424 10-11 58.8 14.8 -14.7 250.37892 11-12 53.6 4.9 -3.3 189.71255 12-13 48.3 9.8 8.7 190.36427 13-14 43.0 21.3 19.9 199.71308 14-15 37.9 33.7 32.3 221.10413 15-16 37.1 34.3 34.2 177.22407 16-17 36.8 39.3 35.5 217.07101 17-18 37.1 44.3 36.0 250.96207 18-19 38.1 62-1 38.1 336.95139 19-20 38.1 62-1 38.1 336.95139 19-20 38.1 62-1 38.1 336.95139 19-20 38.1 62-1 38.1 336.95139 19-20 38.1 62-1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 52-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20 38.1 62-1 38.1 38.1 336.95139 19-20
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C A	SEC TO IMPAC 980.399  N AZSUN AZA 1 -76.3 74.9 2 -78.9 63.5 76.8 8 -81.7 51.8 8 -81.7 51.8 7 -81.0 57.3 7 -73.1 85.7 7 -73.1 85.7 7 -73.1 85.7 1 -80.5 76.8 3 -84.6 66.3 9 -84.6 31.6 5 -84.5 34.6 4 -84.1 19.5 5 -83.5 37.2 1 -85.7 46.4 1 -92.4 53.6 1 -85.7 10.9 1 -85.7 10.9 1 -85.7 10.9 1 -85.7 10.9 1 -85.7 10.9 1 -85.7 10.9 1 -85.7 10.9 1 -85.7 10.9	1 ALT 2028.80682 A	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 1.900 -93.1 70.6 1.938 -90.1 58.7 1.908 -85.5 51.0 1.987 -85.1 57.3 1.986 -90.2 65.5 1.0.885 -90.2 65.5 1.0.886 -90.2 65.5 1.0.886 -91.1 52.3 1.999 -85.5 51.0 1.999 -85.5 51.0 1.999 -85.1 50.4 1.999 -80.8 56.7 1.951 -79.9 63.2 1.984 -81.5 50.4 1.999 -80.8 56.7 1.951 -79.9 63.2 1.984 -81.5 50.4 1.999 -80.8 56.7 1.951 -79.9 63.2 1.964 -84.1 71.3 1.970 -100.1 64.3 1.970 -90.2 76.2 1.984 -90.2 76.2 1.999 -90.3 64.3 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1	R V PTH AZ 3764-262 1-948 -74-563 116-998  PHAZ EMIS ALPHA 38.3 35.3 31.5 0. 0-1 47.5 20.3 9.3 369-33178 1-2 53.1 6-7 -2-4 282-03518 2-3 47.7 10.8 9.4 192.76944 3-4 42.4 21.9 21.5 202.38748 4-5 42.4 21.9 21.5 202.38748 4-5 42.4 38.0 21.0 233-63063 5-7 47.8 32.5 7.3 219-03104 7-8 53.2 31.1 5-7 205.79771 8-9 52.9 18.4 -3.0 222-56201 9-10 53.1 6.7 -2-4 200.44424 10-11 58.8 14.8 -14.7 250-37892 11-12 53.6 4.9 -3.3 189.71255 12-13 48.3 9.8 8.7 190.36427 13-14 43.0 21.3 19.9 199.71308 14-15 37.9 33.7 32.3 221.10413 15-16 37.1 34.3 34.2 177.22407 16-17 36.8 19.3 35.5 217.07101 17-18 37.1 44.3 36.0 250-96207 18-19 38.1 62-1 38.1 336-95139 19-20 38.1 62-1 38.1 336-95139 19-20 38.1 62-1 38.1 336-95139 19-20 38.1 62-1 38.1 336-95139 19-20 38.1 62-1 38.1 336-95139 19-20 38.1 62-1 38.1 336-95139 19-20 38.1 62-1 38.1 336-95139 19-20 38.5 9.9 48.0 -26.1 219.34284 23-24 58.4 34.5 18.6 272-69778 24-25 58.4 34.5 18.6 272-69778 24-25 58.4 34.5 18.6 272-69778 24-25 58.4 34.5 18.6 272-69778 24-25 58.4 34.5 18.6 21.5 1 24-26277 22-26 58.5 32.4 -15.1 24-26277 22-26
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ  1 -12.122 -17.492 2211.47656 -9.0 7.  2 -13.102 -29.948 2088.37860 -26.5 5.  3 -6.758 -36.872 2035.14465 24.7 2.  5 -6.094 -23.760 2097.94849 -73.6 5.  6 -12.893 -22.889 2144.87433 -49.0 8.  7 -20.883 -21.455 2248.48624 -34.7 12.  8 -20.507 -29.175 2183.21375 -16.7 7.  9 -20.717 -36.431 2169.76294 5.4 1.  11 -6.758 -36.872 2035.14465 24.7 2.  12 -1.585 -43.338 2060.26114 106.2 1.  13 -1.289 -37.080 2032.28781 146.5 2.  14 -0.916 -30.805 2042.63785 -115.3 2.  15 -0.466 -24.227 2094.06711 -101.6 3.  16 0.104 -16.949 7195.09839 -97.4 3.  17 -5.713 -16.314 2201.62378 -79.4 6.  18 -12.756 -14.471 2257.53598 -61.0 11.  19 -20.712 -12.551 2381.43903 -47.4 18.  20 -30.810 -7.03 2625.99496 -37.9 30.  21 -29.790 -18.828 2439.31738 -26.4 20.  22 -29.451 -27.979 2353.77838 -12.1 1.  23 -29.563 -16.29 2335.06027 3.8 1.  24 -30.076 -44.336 275.06817 19.2 28.7 29.4 1.  25 -21.105 -43.365 203.82083 26.0 -4.  26 -13.709 -43.335 2008.12180 39.0 -1.  27 -7.070 -43.356 204.8880 39.0 -47.3 26.7 3.0 3.0 4.	SEC TO IMPAC 900-399  N AZSUN AZA 1 -76-3 74-9 2 -78-9 63-5 5 -82-5 35-5 4 -81.2 48-4 7 -81.0 57-3 3 -77-2 70-5 7 -73.1 85-7 9 -76-3 82-8 1 -80-5 76-8 3 -84-6 66-3 9 -84-5 12-0 9 -83-0 25-1 5 -83-2 12-0 9 -83-0 25-1 1 -85-7 46-4 7 -83-4 63-6 3 -77-3 75-1 1 -85-7 46-4 7 -83-4 63-6 71-7 87-8	1 ALT 2028-80682 A-7818 (199-24876) (195-24876) (195-24876) (196-2524) (196-2524) (196-2524) (196-2524) (196-265) (	LAT LUN -3.430 -35.499  B/A AZPHAZ INCD 1.900 -93.1 70.6 1.938 -90.1 58.7 1.908 -85.5 51.0 1.987 -85.1 57.3 1.986 -90.2 65.5 1.0.885 -90.2 65.5 1.0.886 -90.2 65.5 1.0.886 -91.1 52.3 1.999 -85.5 51.0 1.999 -85.5 51.0 1.999 -85.1 50.4 1.999 -80.8 56.7 1.951 -79.9 63.2 1.984 -81.5 50.4 1.999 -80.8 56.7 1.951 -79.9 63.2 1.984 -81.5 50.4 1.999 -80.8 56.7 1.951 -79.9 63.2 1.964 -84.1 71.3 1.970 -100.1 64.3 1.970 -90.2 76.2 1.984 -90.2 76.2 1.999 -90.3 64.3 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1 1.999 -90.4 64.1	R V PTH AZ  3764-262 1-948 -74-563 116-998  PHAZ EMIS ALPHA SCALE PT-PT 38.3 35-3 31.5 0. 0-1 47.5 20.3 9.3 369-33178 1-2 53.1 6.7 -2-4 282-03518 2-3 47.7 10.8 9.4 192-76944 3-4 42.4 21.9 21.5 202-38748 4-5 42.1 28.3 22.0 207.57822 5-6 42.4 38.6 21.0 233-63063 6-7 47.8 32.5 7.3 219-03104 7-8 53.2 31.1 -5-7 205-79771 8-9 52.9 18.4 -3-0 222-56201 9-10 53.1 6.7 -2-4 200-44424 10-11 58.8 14.8 -14.7 250-37892 11-12 53.6 4.9 -3.3 189-71255 12-13 48.3 9.8 8.7 190-30427 13-15 37.1 34.3 34.2 177-22407 16-17 36.8 39.3 35-5 217-07101 17-18 37.1 34.3 34.2 177-22407 16-17 36.8 39.3 35-5 217-07101 17-18 37.1 34.4 36.0 250-96207 18-19 38.1 62-1 38.1 336-95139 19-20 43.2 52-0 18.4 297-73158 20-21 44.5 46.6 2.5 238-97447 21-22 53.7 45.3 -11.9 219-06956 22-23 58.9 48.0 -26.1 19-34284 23-24 58.4 34.5 -18.6 272-09778 24-25 58.3 23-4 15.1 22-42-6277 25-26

				RA-VI	L CAMER	A FA								5
JULY 31,1964 13 H	R 9 MIN 33	SEC 520	MS.		TAB NO	9	ATL	AS PHOTO	D NO	9		POD	SEQUENCE NO	24
TRAJECTORY DATA				SEC TO 975		ALT	LA		ON		R	V	PTH	AZ
PHOTO DATA				713.	.219	2019.1911	0 -3.	449 -35	.463	37:	54.640	5 1.949	-74.535 11	6.993
PT LAT LON	RANGE	AZS/C		AZSUN	AZA	A+	B/A	AZPHAZ				AL PHA	SCALE	PT-PT
1 -12.113 -17.510 2 -13.103 -29.912	2078.72842		7.1 5.2	-76.3 -79.0	74.8 63.5	100.41255			70.6	38.3	35.2	31.4	0.	0- 1
	2025.53947		2.1	-80.5	76.6	98.79015 95.17770				47.5 53.1		9.4	367.76918	1- 2
4 -6.468 -30.436	2035.91425	-55.6	3.8	-81.7		96.30692				47.8		-2.3 9.5	280.75384 191.87081	2- 3 3- 4
	2088-19043		5.5			98.29391		-84.7	64.0	42.4	21.9	21.5	201.44934	4-5
	2134.98264 2238.05020		8.4 12.7	-81.2		100.98346	0.885	-90.2	65.5	42.1	28.3	22.0	206.63470	5- 6
	2173.08231		7.3	-81.1 -77.2		105.39723	0.789	-95.7 -95.2		42.4 47.8		21.0	232.51912	6- 7
9 -20.681 -36.363	2159.55087	5.3	1.7	-73.2		101.64963	0.865	-94.8		53.2		7.3 -5.7	218.01269	7- 8 8- 9
	2067.48840		1.9	-76.3	82.6	97.79234	0.953	-90.1	52.4	53.0	18.4	~2.9	221.49459	9-10
	2025.53947 2050.17047	24.2 106.1	2.1	-80.5 -84.4	76.6 30.7	95-17770	0.998	-85.5		53.1		-2.3	199.51692	10-11
13 -1.339 -37.012	2022.55217	146.5	2.3	-84.6	66.2	94.24028 92.64356			44.3	58.8	14.7	-14.6 -3.2	249.13633 188.76034	
14 -0.973 -30.766	2032.96783	-114.9	2.9	-84.5	35.1	94.97503	0.999	-80.8		48.3		8.2	189.46313	
	2084.16696		3.4	-84.1	19.7	96.98114	0.951	-79.9	63.2	43.1	21.3	19.9	198.76066	
	2184.58383 2191.25775		3.6 6.9	-83.2	12.2	100.22945				37.9		32.3	219.98933	
	2246.97556	-61.0	11.5	-83.0 -83.5	25.2 37.2	101.69313				37.1 36.8		34.2 35.4	176.38842	
19 -20.675 -12.604	2370.13019	-47.4	18.0	-85.6		110.09642				37.1		36.0	216.06843 249.69581	
	2612.53171		29.9	-92.3	53.4	119.81971	0.487	-102.2	81.8	36.1	62.0	38.0	334.59144	
	2427.54880 2342.52805	-26.4 -12.2	20.6	-83.4	63.6	112.80703				43.2		18.3	295.76461	20-21
	2323.73651	3.8	1.6	-71.8	87.7	107.86099		-100.1 -99.3		48.5 63.0		2.6	237.78649	
24 -29.984 -44.414	2363.71332	19.2	-8.4	-65.8	10.8	108.16607						-25.9	218.02754	
25 -21 -066 -43 - 579	2193.15424	25.9	-4.0	-68.3	11.6	101.78089	0.843	-94.4	48.2	58.5	34.5	-18.5	271.07740	
26 -13.706 -43.239 27 -7.099 -43.158	2098.00580 2054.22031	38.8 67.0	-1.6	-72.9	13.6	97.86031		-90.1	46.2	58.3	23.4	-15.1	223.14224	
	2050.17047	106.1	0.2	-78.6 -84.4	18.6	95.43601 94.24028		-85.8 -82.2	44.9	58.4	15.6	-14.0 -14.6	200.13930 165.36880	
										30.0	1701	-14.0	100.30000	21-28
JULY 31,1964 13 HR	9 MIN 38	SEC 640	MS	•	TAB NO	10	ATL	AS PHOTO	) NO	10		POD S	SEQUENCE NO	26
TRAJECTORY DATA				SEC TO	IMDACT	AL T	LAT		ON					
				970.		2009.56824		467 −35		374	R 5.024	V 1.951	PTH -74.507 11	AZ 6.988
PHOTO DATA PT LAT LON	DANCE	475.46												
	RANGE 2190.83337	AZS/C -9.1	AZN 7.1	AZSUN -76.4	AZA 74.7	<b>A=</b> 99.94654	B/A	AZPHAZ -93.1						PT-PT
	2069.07190	-26.6	5.2	-79.0	63.4	98.33123		-90.1		38.3 47.5		9.4	0. 366.18988	0- 1 1- 2
	2015.92729	23.6	2.1	-80.5	76.4	94.72856		-85.5		53.2		-2.3	279.47183	2- 3
	2026.37500 2078.42990	-55.5	3.8	-81.7	51.9	95.85565		-85.1	57.4	47.8	10.9	9.5	190.97178	3- 4
2 0.100 E3.143	2125.08755	-73.4 -49.0	5.5 8.4	-62.5 -81.2	35.7 48.5	97.83436		-84.7 -90.2		42.4		21.5	200.51160	4- 5
	2227.61139	-34.8	12.7	-81.1		104.90566		-95.7		42.1		22.0	205.69072 231.40777	5- 6 6- 7
8 -20.439 -29.108	2162.94431	-16.8	7.3	-77.3	70.3	102.31521	0.848	-95.2		47.8		7.4	216.99501	7- 8
	2149.33029 2057.75339	5.2 8.5	1.8	-73.3	85.5	101-16845	0.B65	-94.8		53.2		-5.6	203.89028	8- 9
	2015.92729	23.6	2.1	-76.4 -80.5	82.5 76.4	97.33185 94.72856	0.953	-90.1 -85.5		53.0		-2.9	220.42637	
12 -1.695 -43.139	2040.07376	105.9	1.5	-84.3	28.1	93.76402		-82.2	44.4	53.2 58.8	14.6	-2.3 -14.5	198.58867 247.89367	
13 -1.395 -36.443	2012.81111	146.6	2.3	-84.5	66.0	92.18639	0.983	-81.5	50.6	53.6	4.8	-3.2	187.80779	
	2023.29410	-114.5	2.9	-84.4	35.3	94.52090		-80.8	56.B	48.3	9.8	8.2	188.56169	
	2074 24500													
15 -0.585 -24.211	2074.26599 2174.07379	-101.2 -97.2	3.4		19.9	96.52020		-80.0 -78.9		43.1		19.9	197.81886	
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371	2174.07379 2180.89429	-97.2 -79.2	3.7 6.9	-83.2 -83.0	12.4 25.3	99.74690	0.861	-80.0 -78.9 -84.1	70.4	37.9	33.6	32.2	218.87720	15-16
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040	2174.07379 2180.89429 2236.41742	-97.2 -79.2 -60.9	3.7 6.9 11.5	-83.2 -83.0 -83.4	12.4 25.3 37.3	99.74690 101.21198 104.30363	0.861 0.845 0.788	-78.9 -84.1 -90.2	70.4 71.3 73.1	37.9 37.1 36.8	33.6 34.2 39.2	32.2 34.1 35.4	218.87720 175.55306 215.06610	15-16 16-17 17-18
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040 19 -20.639 -12.657	2174.07379 2180.89429 2236.41742 2358.82687	-97.2 -79.2 -60.9 -47.4	3.7 6.9 11.5 18.0	-83.2 -83.0 -83.4 -85.6	12.4 25.3 37.3 46.4	99.74690 101.21198 104.30363 109.57148	0.861 0.845 0.788 0.681	-78.9 -84.1 -90.2 -96.2	70.4 71.3 73.1 76.1	37.9 37.1 36.8 37.1	33.6 34.2 39.2 48.3	32.2 34.1 35.4 35.9	218.87720 175.55306 215.06610 248.43146	15-16 16-17 17-18 18-19
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040 19 -20.639 -12.657 20 -30.672 -7.726	2174.07379 2180.89429 2236.41742 2358.82687 2599.09634	-97.2 -79.2 -60.9 -47.4 -37.9	3.7 6.9 11.5 18.0 29.8	-83.2 -83.0 -83.4 -85.6 -92.2	12.4 25.3 37.3 46.4 53.4	99.74690 101.21198 104.30363 109.57148 119.20374	0.861 0.845 0.788 0.681 0.489	-78.9 -84.1 -90.2 -96.2 -102.2	70.4 71.3 73.1 76.1 81.7	37.9 37.1 36.8 37.1 38.1	33.6 34.2 39.2 48.3 61.8	32.2 34.1 35.4 35.9 37.8	218.87720 175.55306 215.06610 248.43146 332.25037	15-16 16-17 17-18 18-19 19-20
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040 19 -20.639 -12.657 20 -30.672 -7.726 21 -29.619 -18.882 22 -29.286 -27.847	2174.07379 2180.89429 2236.41742 2358.82687 2599.09634 2415.78345 2331.27408	-97.2 -79.2 -60.9 -47.4 -37.9 -26.4 -12.2	3.7 6.9 11.5 18.0 29.8 20.5 11.3	-83.2 -83.0 -83.4 -85.6 -92.2 -83.4 -77.4	12.4 25.3 37.3 46.4 53.4 63.5 75.0	99.74690 101.21198 104.30363 109.57148 119.20374 112.26030 108.77236	0.861 0.845 0.788 0.681 0.489 0.631 0.702	-78.9 -84.1 -90.2 -96.2 -102.2 -101.0	70.4 71.3 73.1 76.1 81.7 72.0	37.9 37.1 36.8 37.1 38.1 43.3	33.6 34.2 39.2 48.3 61.8 51.9	32.2 34.1 35.4 35.9 37.8 18.3	218.87720 175.55306 215.06610 248.43146 332.25037 293.81554	15-16 16-17 17-18 18-19 19-20 20-21
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040 19 -20.639 -12.657 20 -30.672 -7.726 21 -29.619 -18.882 22 -29.286 -27.847 23 -29.393 -36.065	2174.07379 2180.89429 2236.41742 2358.82687 2599.09634 2415.78345 2331.27408 2312.40665	-97.2 -79.2 -60.9 -47.4 -37.9 -26.4 -12.2	3.7 6.9 11.5 18.0 29.8 20.5 11.3	-83.2 -83.0 -83.4 -85.6 -92.2 -83.4 -77.4 -71.9	12.4 25.3 37.3 46.4 53.4 63.5 75.0 87.6	99.74690 101.21198 104.30363 109.57148 119.20374 112.26030 108.77236 107.33488	0.861 0.845 0.788 0.681 0.489 0.631 0.702	-78.9 -84.1 -90.2 -96.2 -102.2 -101.0 -100.1 -99.3	70.4 71.3 73.1 76.1 81.7 72.0 64.3 57.6	37.1 36.8 37.1 38.1 43.3 48.5 53.6	33.6 34.2 39.2 48.3 61.8 51.9 46.4	32.2 34.1 35.4 35.9 37.8 18.3 2.6	218.87720 175.55306 215.06610 248.43146 332.25037	15-16 16-17 17-18 18-19 19-20 20-21 21-22
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040 19 -20.639 -12.657 20 -30.672 -7.726 21 -29.619 -18.882 22 -29.286 -27.847 23 -29.393 -36.065 24 -29.891 -44.291	2174.07379 2180.89429 2236.41742 2358.82687 2599.09634 2415.78345 2331.27408 2312.40665 2351.76334	-97.2 -79.2 -60.9 -47.4 -37.9 -26.4 -12.2 3.7 19.1	3.7 6.9 11.5 18.0 29.8 20.5 11.3 1.7 -8.3	-83.2 -83.0 -83.4 -85.6 -92.2 -83.4 -77.4 -71.9 -65.9	12.4 25.3 37.3 46.4 53.4 63.5 75.0 87.6 10.7	99.74690 101.21198 104.30363 109.57148 119.20374 112.26030 108.77236 107.33488 107.61904	0.861 0.845 0.788 0.681 0.489 0.631 0.702 0.722	-78.9 -84.1 -90.2 -96.2 -102.2 -101.0 -100.1 -99.3 -98.6	70.4 71.3 73.1 76.1 81.7 72.0 64.3 57.6 51.4	37.9 37.1 36.8 37.1 38.1 43.3 48.5 53.6 58.9	33.6 34.2 39.2 48.3 61.8 51.9 46.4 45.1	32.2 34.1 35.4 35.9 37.8 18.3 2.6 -11.7 -25.8	218.87720 175.55306 215.06610 248.43146 332.25037 293.81554 236.60104 216.98536 217.01858	15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040 19 -20.639 -12.657 20 -30.672 -7.726 21 -29.619 -18.882 22 -29.286 -27.847 23 -29.393 -36.065 24 -29.891 -44.291 25 -21.026 -43.472	2174.07379 2180.89429 2236.41742 2358.82687 2599.09634 2415.78345 2331.27408 2312.40665	-97.2 -79.2 -60.9 -47.4 -37.9 -26.4 -12.2 3.7 19.1 25.8	3.7 6.9 11.5 18.0 29.8 20.5 11.3 1.7 -8.3	-83.2 -83.0 -83.4 -85.6 -92.2 -83.4 -77.4 -71.9 -65.9	12.4 25.3 37.3 46.4 53.4 63.5 75.0 87.6 10.7	99.74690 101.21198 104.30363 109.57148 119.20374 112.26030 108.77236 107.33488 107.61904 101.28529	0.861 0.845 0.788 0.681 0.489 0.631 0.702 0.722 0.696 0.844	-78.9 -84.1 -90.2 -96.2 -102.2 -101.0 -100.1 -99.3 -98.6 -94.4	70.4 71.3 73.1 76.1 81.7 72.0 64.3 57.6 51.4 48.3	37.9 37.1 36.8 37.1 38.1 43.3 48.5 53.6 58.9 58.9	33.6 34.2 39.2 48.3 61.8 51.9 46.4 45.1 47.8 34.4	32.2 34.1 35.4 35.9 37.8 18.3 2.6 -11.7 -25.8 -18.4	218.87720 175.55306 215.06610 248.43146 332.25037 293.81554 236.60104 216.98536 217.01858 269.45959	15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040 19 -20.639 -12.657 20 -30.672 -7.726 21 -29.619 -18.882 22 -29.286 -27.847 23 -29.393 -36.065 24 -29.891 -44.291 25 -21.026 -43.472 26 -13.703 -43.138 27 -7.127 -43.059	2174.07379 2180.89429 2236.41742 2358.82687 2599.09634 2415.78345 2331.27408 2312.40665 2351.76334 2182.4788 2087.88068 2044.24597	-97.2 -79.2 -60.9 -47.4 -37.9 -26.4 -12.2 3.7 19.1 25.8 38.7 66.8	3.7 6.9 11.5 18.0 29.8 20.5 11.3 1.7 -8.3	-83.2 -83.0 -83.4 -85.6 -92.2 -83.4 -77.4 -71.9 -65.9	12.4 25.3 37.3 46.4 53.4 63.5 75.0 87.6 10.7	99.74690 101.21198 104.30363 109.57148 119.20374 112.26030 108.77236 107.33488 107.61904	0.861 0.845 0.788 0.681 0.489 0.631 0.702 0.722 0.696 0.844 0.935	-78.9 -84.1 -90.2 -96.2 -102.2 -101.0 -100.1 -99.3 -98.6	70.4 71.3 73.1 76.1 81.7 72.0 64.3 57.6 51.4 48.3 46.3	37.9 37.1 36.8 37.1 38.1 43.3 48.5 53.8 58.9 58.9 58.5	33.6 34.2 39.2 48.3 61.8 51.9 46.4 45.1 47.8 34.4 23.3	32.2 34.1 35.4 35.9 37.8 18.3 2.6 -11.7 -25.8 -18.4 -15.0	218.87720 175.55306 215.06610 248.43146 332.25037 293.81554 236.60104 216.98536 217.01858 269.45959 222.02098	15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26
15 -0.585 -24.211 16 -0.022 -17.006 17 -5.783 -16.371 18 -12.761 -15.040 19 -20.639 -12.657 20 -30.672 -7.726 21 -29.619 -18.882 22 -29.286 -27.847 23 -29.393 -36.065 24 -29.891 -44.291 25 -21.026 -43.472 26 -13.703 -43.138 27 -7.127 -43.059	2174-07379 2180.89429 2236-41742 2358.82687 2599.09634 2415-7834 2331-27408 2312-40665 2351-76334 2182-47852 2087-88068	-97.2 -79.2 -60.9 -47.4 -37.9 -26.4 -12.2 3.7 19.1 25.8 38.7 66.8	3.7 6.9 11.5 18.0 29.8 20.5 11.3 1.7 -8.3 -4.0	-83.2 -83.0 -83.4 -85.6 -92.2 -83.4 -77.4 -71.9 -65.9 -68.4 -72.9	12.4 25.3 37.3 46.4 53.4 63.5 75.0 87.6 10.7 11.4 13.4	99.74690 101.21198 104.30363 109.57148 119.20374 112.26030 108.77236 107.33488 107.61904 101.28529 97.38798	0.861 0.845 0.788 0.681 0.489 0.631 0.702 0.722 0.696 0.844 0.935 0.985	-78.9 -84.1 -90.2 -96.2 -102.2 -101.0 -100.1 -99.3 -98.6 -94.4 -90.1	70.4 71.3 73.1 76.1 81.7 72.0 64.3 57.6 51.4 48.3 46.3	37.9 37.1 36.8 37.1 38.1 43.3 48.5 53.8 58.9 58.9 58.5 58.3	33.6 34.2 39.2 48.3 61.8 51.9 46.4 45.1 47.8 34.4 23.3	32.2 34.1 35.4 35.9 37.8 18.3 2.6 -11.7 -25.8 -18.4 -15.0 -13.9	218.87720 175.55306 215.06610 248.43146 332.25037 293.81554 236.60104 216.98536 217.01858 269.45959	15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26

		RA-VII	CAMERA	FA							6
JULY 31,1964 13 HR 9 MIN 43 5	SEC 760 MS	Т	AB NO	11	ATLA	s рното	NO	11	POD SI	EQUENCE NO	28
TRAJECTORY DATA		SEC TO 965.		ALT 1999.93808	LAT -3.4			R 3735.39	v 3 1.953	PTH AZ -74.478 116.9	983
PHOTO DATA				Δ.	D / A	4.7.00.4.7	1445.0	PHAZ EMIS	AZ DUA	SCALE PT-	-PT
PT LAT LON RANGE 1 -12.095 -17.546 2180.49811	AZS/C AZM	AZSUN -76.4	AZA 74.6	99.48011				38.3 35.2		0. 0-	- i
2 -13.105 -29.838 2059.40698	-26.6 5.2	-79.0		97.87191	0.937	-90.1	58.8	47.6 20.4	9.4		- 2
3 -6.848 -36.669 2006.30853	23.1 2.1		76.2	94.27919		-85.5		53.2 6.7	-2.2		- 3 - 4
4 -6.531 -30.359 2016.82852	-55.4 3.9 -73.3 5.9		51.9 35.8	95.40404 97.37447		-85.1 -84.7		47.8 10.9 42.4 21.9	9.5 21.5	199.57329 4	- 5
5 -6.193 -23.738 2068.66226 6 -12.899 -22.876 2115.18427	-49.0 8.4		48.5	100.04698		-90.2		42.1 28.2	22.0	204.74577 5	- 6
7 -20.382 -21.467 2217.16415	-34.8 12.6	-81.L	57.2	104.41369	0.790	-95.7	67.9	42.4 38.5	20.9	230.27.22	- 7 - 8
8 -20.405 -29.075 2152.79767	-16.8 7.		70.3	101-83521		95.2		47.8 32.4 53.2 31.0	7.4 -5.6		- 8
9 -20.609 +36.225 2139.10184 10 -13.370 -36.445 2048.01065	5.1 1.4 8.4 1.9		85.3 82.3	96.87100		-94.8 -90.1	52.5	53.0 18.3	-2.8	219.35743 9	-10
11 -6.848 -36.669 2006.30853	23.1 2.		76.2	94.27919		-85.5	51.3	53.2 6.7	-2.2	197.65960 10	-11
12 -1.750 -43.039 2029.97369	105.8 1.	-84.3	27.3	93.25848		-82.2		58.8 14.5		246.65122 11 186.85536 12	
13 -1.451 -36.874 2003.06502	146.7 2.		65.8 35.5	91.72928		-81.5 -80.8	50.6 56.8			187.65984 13	
14 -1.088 -30.688 2013.61472 15 -0.644 -24.203 2064.35962	-114.1 2.9 -101.0 3.9		20.1	96.05901		-80.0		43.1 21.2		196.87659 14	-15
16 -0.084 -17.035 2163.56024	-97.1 3.		12.6	99.26419		-78.9		37.9 33.5	32.2	217.76560 15	
17 -5.818 -16.400 2170.52524	-79.1 7.0	-83.0	25.5	100.73058				37.1 34.2		174.71752 16	
18 -12.763 -15.075 2225.85260	-60.9 11.		37.4	103.81087				36.8 39.2 37.2 48.2		214.06300 17	1-19
19 -20.603 -12.709 2347.51813 20 +30.574 -7.836 2585.6/188	-47.4 18.1 -37.9 29.1		46.5 53.5	109.04628 118.58827		-102.2	81.6	38.1 61.7	37.7	329.92257 19	-20
20 +30.574 -7.836 2585.6/188 21 -29.533 -18.908 2404.01379	-26.5 20.		63.5	111.71337	0.633	-101.0	71.9	43.3 51.8	18.3	291.87740 20	)-21
22 -29.203 -27.821 2320.01367	-12.2 11.	2 -77.4	75.0	108.24686	0.703	-100.1	64.3	48.5 46.3	2.6	235.41596 21	1-22
23 -29.308 -35.993 2301.07156	3.6 l.		87.5	106.80853		-99.3	57.6	53.8 45.0 59.0 47.7	-11.6	215.94273 22 215.85812 23	1-26
24 -29.799 -44.168 2339.81296	19.0 -8. 25.7 -3.		10.5	107.07201		-98.6 -94.4	48.3	58.5 34.3	-18.3	267.84520 24	
25 -20.986 -43.365 2171.79718 26 -13.700 -43.037 2077.74966	38.5 -1.		13.1	96.91537		-90.1	46.4	58.3 23.3	-14.9	220.89934 25	-26
27 -7.156 -42.959 2034.26663	66.5 0.	-78.7	17.7	94.50907	0.985	-85.8	45.1	58.5 15.9	-13.8	198.22577 26	
28 -1.750 -43.039 2029.97369	105.8 1.	5 -84.3	27.3	93.25898	6.999	-82.2	44.5	58.8 14.5	-14.4	163.75701 27	7-28
20 21:30 ::				,,,,,,,,,							
20 21130 111011 111011								12		SEQUENCE NO	30
JULY 31,1964 13 HR 9 MIN 48			TAB NO	12		AS PHOTO		12		SEQUENCE NO	30
		SEC TO	TAB NO	12	ATL/	AS PHOTO		R	POD S	PTH AZ	2
JULY 31,1964 13 HR 9 MIN 48	SEC 880 MS	SEC TO 959.	TAB NO	12 ALT 1990.30093	ATL:	AS PHOTO	0 NO 0N .353	3725.75	POD S	PTH AZ -74.450 116.	t .978
JULY 31,1964 13 HR 9 MIN 48 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE	SEC 880 MS	SEC TO 959. N AZSUN	TAB NO	ALT 1990.30093	ATL/ 3 -3.5	AS PHOTO  T L 504 -35	0 NO 0N .353	R 3725.75	POD S	PTH AZ -74.450 116.	₹ .978 T-PT
JULY 31,1964 13 HR 9 MIN 48  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -12.086 -17.563 2170.15384	SEC 880 MS  AZS/C AZ -9-3 7.	SEC TO 959. N AZSUN 0 -76.4	TAB NO	ALT 1990-30093	ATL/ LA3 3 -3-5 8/A U-900	AS PHOTO  T L 504 -35  AZPHAZ -93.1	ONO .353 INCD 70.6	R 3725.75 PHAZ EMIS 38.3 35.5	POD S 6 1.955 ALPHA 31.4	PTH AZ -74.450 116. SCALE PI	t .978
JULY 31,1964 13 HR 9 MIN 48  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -12.086 -17.563 2170.15384 2 -13.105 -29.802 2049.72501	SEC 880 MS  AZS/C AZ  -9-3 7.  -26-6 5.	SEC TO 959 N AZSUN 0 -76.4 2 -79.0	TAB NO IMPACT 920 AZA 74.5 63.4	ALT 1990.30093 A- 99.01292 97.41178	ATL/ LA? 3 -3.9 8/A 0.900 0.937	AS PHOTO  T L 504 -35	ON .353 INCD 70.6 58.8	R 3725.75	POD 5  V 66 1.955 6 ALPHA 31.4 9.4	PTH AZ -74.450 116- SCALE PI 0- 363.05149 1 276.90209 2	2 .978 T-PT 0- 1 1- 2 2- 3
JULY 31,1964 13 HR 9 MIN 48  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -12.086 -17.563 2170.15384	SEC 880 MS  AZS/C AZ -9-3 7.	SEC TO 959, N AZSUN 0 -76.4 2 -79.0 1 -80.4	TAB NO	ALT 1990.30093 A* 99.01292 97.41178 93.82969 94.95179	ATL LA3 3 -3.5 8/A 0.900 0.937 0.998 0.986	AS PHOTO  T L 504 -35  AZPHAZ -93.1 -90.2 -85.5 -85.1	ON .353 INCD 70.6 58.8 51.3 57.5	R 3725-75 PHAZ EMIS 38-3 35-1 47-6 20-4 53-2 6-1 47-8 10-9	POD 5  V 66 1.955 6 ALPHA 7 -2.1 9 -5	PTH AZ -74.450 116- SCALE PI 0. 363.05149 1 276.90209 2 189.17123 3	2 .978 T-PT 0- 1 1- 2 2- 3 3- 4
JULY 31,1964 13 HR 9 MIN 48  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.036 -17.563 2170.15384 2 -13.105 -29.802 2049.72501 3 -6.878 -36.602 1996.68417 4 -6.562 -30.321 2007.28554 5 -6.226 -23.731 2058.87280	AZS/C AZ -9-3 7. -26-6 5. 22-6 2. -55-3 3.	SEC TO 959, N AZSUN 0 -76.4 2 -79.0 1 -80.4 9 -81.6 5 -82.4	TAB NO 1MPACT 1920 AZA 74.5 63.4 76.0 51.9 35.9	ALT 1990.30093 A* 99.01292 97.41178 93.82969 94.95179 96.91357	ATL LA3 3 -3.5 8/A 0.937 0.937 0.986 0.936	AS PHOTO T L 504 -35 AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7	ON .353 INCD 70.6 58.8 51.3 57.5	R 3725-75 PHAZ EMIS 38-3 35-1 47-6 20-4 53-2 6-1 47-8 10-4 42-4 21-4	POD 5  ALPHA 31.4 9.4 7-2.1 9.5 21.5	PTH AZ -74.450 116. SCALE P1 0. 0 363.05149 1 276.90209 1 189.17123 1 198.63123 4	2 .978 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5
JULY 31,1964 13 HR 9 MIN 48  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.086 -17.553 2170.15384 2 -13.105 -29.802 2049.72501 3 -6.878 -36.602 1996.68417 4 -6.562 -30.321 2007.28854 5 -6.226 -23.731 2058.87280 6 -12.901 -22.8473 2105.2458	AZS/C AZ -9-3 7. -26.6 5. 22.6 2. -55.3 3. -73.2 5. -48.9 5.	SEC TO 959.  N AZSUN -76.4 2 -79.0 1 -80.4 9 -81.6 5 -82.4 4 -81.2	TAB NO  IMPACT  920  AZA  74.5  63.4  76.0  51.9  35.9  48.5	ALT 1990-30093 A- 99-01292 97-41178 93-82969 94-95179 96-91357 99-57729	ATL/ LA3 3 -3.5 8/A 0.900 0.937 0.986 0.986 0.986	AS PHOTO 1 L 504 -35 AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7 -90.2	ONO ON .353 INCO 58.8 51.3 57.5 64.0 65.5	R 3725-75 PHAZ EMIS 38-3 35-1 47-6 20-4 53-2 6-1 47-8 10-4 42-4 21-4 42-2 28-1	POD S  V  66 1.955 6 ALPHA 7 -2.1 9 -4 7 -2.1 9 -5 2 21.5 2 22.0	PTH AZ -74.450 116- SCALE PI 0. 363.05149 1 276.90209 1 189.17123 1 198.63123 1 203.79762 5	2 .978 T-PT 0- 1 1- 2 2- 3 3- 4
JULY 31,1964 13 HR 9 MIN 48  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.086 -17.563 2170.15384 2 -13.105 -29.802 2049.72501 3 -6.878 -36.602 1996.68417 4 -6.562 -30.321 2007.26854 5 -6.226 -23.731 2058.87280 6 -12.901 -22.873 2105.25458 7 -20.347 -21.472 2206.68488	AZS/C AZ -9.3 726.6 5. 22.6 535.3 373.2 548.9 8.12.	SEC TO 959.  N AZSUN 0 -76.4 2 -79.0 1 -80.4 9 -81.6 5 -82.4 4 -81.2 6 -81.1	1MPACT 920 AZA 74.5 63.4 76.0 51.9 35.9 48.5 57.2	ALT 1990.3009: A• 99.01292 97.41178 93.82969 94.95179 96.91357 99.57729 103.92021	### ATLI ### U.900 0.937 0.988 0.986 0.885 0.790	AS PHOTO 504 -35 AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7	ONO ON .353 INCD 70.6 58.8 51.3 57.5 64.0 65.5 67.9	R 3725-75 PHAZ EMIS 38-3 35-1 47-6 20-4 53-2 6-47-8 10-4 42-4 21-4 42-2 28-4 42-5 38-1	POD S  V  66 1.955  6 ALPHA  31.4  9.4  7 -2.1  9.5  21.5  22.0  4 20.9	PTH AZ -74.450 116- SCALE P1 03-05-149 1 276.97-209 2 189-17123 3 198-63123 4 203-79762 2 229-1785 6	7-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR 9 MIN 48  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.086 -17.553 2170.15384 2 -13.105 -29.802 2049.72501 3 -6.878 -36.602 1996.68417 4 -6.562 -30.321 2007.28854 5 -6.226 -23.731 2058.87280 6 -12.901 -22.8473 2105.2458	AZS/C AZ -9.3 7. -26.6 5. 22.6 2. -55.3 3. -73.2 5. -48.9 8. -34.8 12. -16.9 7.	SEC TO 959.  N AZSUN 7-76.4 2 -79.0 1 -80.4 5 -82.4 4 -81.2 6 -81.1 -77.3 8 -73.4	TAB NO  IMPACT 920  AZA 74.5 63.4 76.0 51.9 35.9 48.5 57.2 70.2 85.2	ALT 1990.30093 A- 99.01292 97.41178 93.82969 94.95179 96.91357 103.92021 101.35421 100.2048	LATLU LATLU 0.937 0.937 0.998 0.986 0.936 0.986 0.790 0.790 0.790 0.848 0.865	AS PHOTO T L 504 -35 AZPHAZ -93.1 -90.2 -85.5 -85.1 -90.2 -95.7 -95.2 -94.8	ON .353 INCU 70.6 58.8 51.3 57.5 64.0 65.5 67.9 61.0 54.6	R 3725.75 PHAZ EMIS 38.3 35.47.6 20.4 47.6 20.4 47.8 10.4 42.4 21.4 42.2 28.4 42.5 38.4 47.8 32.5	POD 5  V 66 1.955 6 ALPHA 31.4 7 -2.1 9.5 21.5 22.0 6 20.9 7 -4.4 9 -5.5	PTH A2 -74.450 1166 SCALE P1 0	7-PT 0- 1 1- 2 2- 3 3- 4 4- 5 6- 7 7- 8
JULY 31,1964 13 HR 9 MIN 48  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.086 -17.563 2170.15384 2 -13.105 -29.802 2049.72501 3 -6.878 -36.602 1996.68417 4 -6.562 -30.321 2007.28854 5 -6.226 -23.731 2058.87280 6 -12.901 -22.873 2105.25458 7 -20.347 -21.472 206.68488 8 -20.370 -29.042 2142.62988 9 -20.573 -36.157 2128.86234 10 -13.369 -36.378 2038.25943	ALS/C AZ -9.3 726.6 5. 22.6 255.3 373.2 834.8 1216.9 1. 5.0 1. 8.2 1.	SEC TO 959.  N AZSUN 0 -76.4 2 -79.0 1 -80.4 4 -81.2 6 -81.1 3 -77.3 8 -73.4	TAB NO  IMPACT 920  AZA 74.5 63.4 76.0 51.9 48.5 57.2 70.2 85.2 82.2	ALT 1990.30093 A• 99.01292 97.41178 93.82969 94.95179 96.91357 99.57729 101.92021 101.35421 100.20484	ATL/ 8/A 0.990 0.937 0.986 0.986 0.986 0.790 0.885 0.790 0.885 0.790	AS PHOTO 1	ON .353 INCU 70.6 58.8 51.3 57.5 64.0 65.5 67.9 61.0 52.6	R 3725.75 PHAZ EMI 38.3 35.1 47.6 20.4 53.2 6.4 47.8 10.4 42.4 21.4 42.2 38.4 47.8 32.5 53.2 30.5 53.0 18.	POD 5  V 66 1.955 6 ALPHA 7 -2.1 9 9.5 9 21.5 2 22.0 4 20.9 4 7.4 9 -5.5 3 -2.7	PTH AA2 -74.450 116- SCALE P1 0. 0 363.05149 1 276.97.209 1 199.63123 4 203.79762 229.17856 6 214.95278 201.97890 2 218.28650 9	7-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 7- 8 8- 9
JULY 31,1964 13 HR 9 MIN 48  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.086 -17.553 2170.15384 2 -13.105 -29.802 2049.72501 3 -6.878 -36.602 1996.68417 4 -6.562 -30.321 2007.26854 5 -6.226 -23.731 2058.87280 6 -12.901 -22.8473 2105.25458 7 -20.347 -21.472 2206.68488 8 -20.370 -29.042 2142.62988 9 -20.573 -36.157 2128.86234 10 -13.369 -36.378 2038.25943 11 -6.878 -36.062 1996.68417	AZS/C AZ -9.3 726.6 5. 22.6 255.3 373.2 588.9 834.8 1216.9 7. 5.0 1. 8.2 1. 22.6 2.	SEC TO 959.  N AZSUN 0 -76-4 -79-0 0 1 -80-4 9 -81-6 -81-1 3 -77-3 8 -73-4 9 1 -80-4 1 -80-4 1 -80-4	TAB NO  IMPACT 920  AZA 74.5 63.4 76.0 51.9 35.9 48.5 70.2 85.2 82.2 76.0	ALT 1990.30093 A• 99.01292 97.41178 93.82969 94.95179 96.91357 101.35421 100.20484 96.40976 93.82969	ATL/ 8 -3.: 8/A 0.900 0.937 0.986 0.986 0.790 0.885 0.790 0.848 0.865 0.848 0.953	AS PHOTO  T	ON .353 INCD 70.6 58.8 51.3 57.5 64.0 65.5 67.9 61.0 54.6 52.6 51.3	R 3725-75 PHAZ EMIS 38.3 35.1 47.6 20.4 53.2 6.4 47.8 10.4 42.4 21.4 42.2 28.4 42.5 38.4 42.5 38.5 53.2 30.5 53.0 18.5	POD 5  V 66 1.955 6 ALPHA 7 -2.1 9.4 7 -2.1 9 21.5 2 22.0 4 7.4 9 -5.5 3 -2.7 7 -2.1	PTH A2 -74.450 1166 SCALE P1 0. 0 363.05149 276.9209 189.17123 198.63123 203.79762 229.17856 214.95278 201.97890 128.28650 196.72929 11	7-PT 0- 1 1- 2 2- 3 4- 5 5- 6 6- 7 7- 8 8- 9
JULY 31,1964 13 HR 9 MIN 48  TRAJECTURY DATA  PHOTO DATA  PY LAT LON RANGE 1 -12.086 -17.563 2170.15384 2 -13.105 -29.802 2049.72501 3 -0.878 -36.602 1996.68417 4 -6.562 -30.321 2007.28594 5 -6.226 -23.731 2058.87280 6 -12.901 -22.873 2105.25458 8 -20.370 -29.042 2142.62988 8 -20.370 -29.042 2142.62988 9 -20.573 -36.157 2128.86234 10 -13.369 -36.4378 2038.225943 11 -6.878 -36.602 1996.68417 12 -1.805 -42.939 2019.88004	AZS/C AZ -9.3 726.6 5. 22.6 255.3 348.9 834.8 128.0 1. 8.2 1. 22.6 2. 105.6 1.	SEC TO 959.  N AZSUN D -76.4 2 -79.0 1 -80.4 9 -81.6 4 -81.2 6 -81.1 3 -77.3 8 -73.4 9 -76.4 1 -80.4 5 -80.4	TAB NO  IMPACT 920  AZA 74.5 63.4 76.0 51.9 35.9 48.5 57.2 70.2 82.2 76.0 26.5	ALT 1990.30093 Ae 49.01292 97.41178 93.82969 94.95179 96.9157729 101.35421 101.35421 96.40976 93.82969 92.75589	### ATL/ ####################################	AS PHOTO T L5 504 -35 AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7 -95.2 -95.7 -95.2 -94.8 -90.1 -85.5 -90.2	ON .353 INCD 70.6 58.8 51.3 57.5 64.0 65.5 67.9 61.0 54.6 51.3 44.6	R 3725-75 PHAZ EMIS 38-3 35-1 47-6 20-6 53-2 6-4 47-8 10-4 42-5 38-4 47-8 32-5 53-2 30-5 53-2 18-5 53-2 18-5 53-9 14-	POD 5  V 66 1.955  ALPHA 31.4  9.4  7 -2.1  9.5  2 22.0  4 20.9  7.4  9 -5.5  3 -2.7  7 -2.1  4 -14.3	PTH AA2 -74.450 116- SCALE P1 0. 0 363.05149 1 276.97.209 1 199.63123 4 203.79762 229.17856 6 214.95278 201.97890 2 218.28650 9	7-PT 1-PT 1-22+33-4 4-5-66-77-88-99-10
JULY 31,1964 13 HR 9 MIN 48  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.086 -17.553 2170.15384 2 -13.105 -29.802 2049.72501 3 -6.878 -36.602 1996.68417 4 -6.562 -30.321 2007.28854 5 -6.226 -23.731 2058.87280 6 -12.901 -22.873 2105.29458 7 -20.347 -21.472 2206.68488 8 -20.370 -29.042 2142.62988 9 -20.573 -36.157 2128.86234 10 -13.369 -36.378 2038.25943 11 -6.878 -36.602 1996.68417 12 -1.805 -42.939 2019.88034 13 -1.507 -36.807 1993.31633	AZS/C AZ -9-3 T26-6 5. 22-6 273-2 573-2 5748-9 834-8 1216-9 7. 22-6 2. 105-6 1. 146-8 2.	SEC TO 959,  N AZSUN 0 - 76.4 4 - 81.2 4 4 - 81.3 3 - 77.3 4 4 - 81.4 1 - 80.4 4 1 - 80.4 6 - 81.2 6 -	TAB NO  IMPACT 920  AZA 74.5 63.4 76.0 51.9 35.9 48.5 70.2 85.2 82.2 76.0	ALT 1990.30093 A• 99.01292 97.41178 93.82969 94.95179 96.91357 101.35421 100.20484 96.40976 93.82969	ATL  LA: 3 -3.:  8/A 0.903 0.937 0.998 0.986 0.885 0.790 0.886 0.865 0.999 0.998	AS PHOTO  T L504 -35  AZPHAZ -93.1 -90.2 -85.5 -85.1 -90.2 -95.2 -94.8 -90.1 -85.5 -82.2	ON .353 INCU 70.6 58.8 51.3 57.5 64.0 65.5 67.9 61.0 52.6 51.3 44.6 50.7 56.8	R 3725-75 PHAZ EM1: 38.3 35.4 47.6 20.4 53.2 6.4 47.8 10.4 42.4 21.4 42.2 28.4 47.8 32.5 53.2 30.5 53.0 18.5 53.2 6.5 53.2 4.4 53.7 4.4 48.4 9.	POD 5  V 66 1.955 6 ALPHA 7 -2.1 9 9.5 2 22.0 4 20.9 4 7.4 9 -5.5 3 -2.7 7 -2.1 4 -14.3 8 8.3	PTH AZ -74.450 116- SCALE P1 0. 0 363.05149 1 276.97.209 1 198.63123 4 203.79762 229.17856 6 214.95278 201.97890 1 218.28650 1 196.72929 1 245.41068 1 185.90469 1 186.75702 1	7-PT 0-11-22-33-45-66-77-88-99-10 0-11-1233-14
JULY 31,1964 13 HR 9 MIN 48  TRAJECTURY DATA  PHOTO DATA  PY LAT LON RANGE 1 -12.086 -17.563 2170.15384 2 -13.105 -29.802 2049.72501 3 -0.878 -36.602 1996.68417 4 -6.562 -30.321 2007.28594 5 -6.226 -23.731 2058.87280 6 -12.901 -22.873 2105.25458 8 -20.370 -29.042 2142.62988 8 -20.370 -29.042 2142.62988 9 -20.573 -36.157 2128.86234 10 -13.369 -36.4378 2038.225943 11 -6.878 -36.602 1996.68417 12 -1.805 -42.939 2019.88004	AZS/C AZ -9.3 T26.6 5. 22.6 255.3 373.2 534.8 1216.9 7. 15.0 1. 8.2 1. 22.6 2. 105.6 1. 146.8 2113.7 210.9 3.	SEC TO 959,  N AZSUN 0 - 76.4 0 - 81.6 0 - 81.4 0 - 81.2 0 - 81.4 1 - 81.2 1 0 - 81.2 1	TAB NO  IMPACT 920  AZA 74.5 63.4 76.0 51.9 35.9 48.5 57.2 70.2 82.2 76.0 26.5 65.7 35.7 20.3	ALT 1990.3009: A• 99.01292 97.41178 93.82969 94.95179 96.91357 99.57729 100.35421 100.35421 100.20484 96.40976 93.82969 92.75589 91.27255 93.61173 95.59700	### ATLU	AS PHOTO  T L504 -35  AZPHAZ -93.1 -90.2 -85.5 -85.1 -90.2 -95.7 -90.2 -95.2 -94.8 -90.1 -85.5 -82.2 -81.6 -80.8 -80.8	ON .353 INCD 70.6 58.8 51.3 57.5 64.0 65.5 67.9 61.0 52.6 50.7 56.8 63.3	R 3725-75 PHAZ EMIS 38.3 35.47.6 20.53.2 6.47.8 10.42.2 28.42.5 38.47.8 32.53.2 30.53.0 18.53.2 6.53.7 4.48.4 9.44.1 21.4 48.4 9.4 43.1 21.	POD 5  ALPHA  31.4  7 -2.1  9.5  22.2  4 7.4  7 -2.1  5 3 -2.7  7 -2.1  4 -14.3  6 -3.0  8 .3  2 19.9	PTH AZ -74.450 116- SCALE PI 0. 10 363.05149 1 276.97.209 1 189.17.123 1 198.63123 2 203.79762 2 203.79762 2 201.97890 2 214.45278 2 201.97890 1 218.28650 0 196.72429 1 185.90469 1 186.75702 1 195.93098 1	7 - 978 T-PT 0- 1 1- 2 2+ 3 4- 5 5- 6 7- 8 8- 9 9-10 1-12 2-13 4-15
JULY 31,1964 13 HR 9 MIN 48  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.086 -17.563 2170.15384 2 -13.105 -29.802 2049.72501 3 -6.878 -36.602 1996.68417 4 -6.562 -30.321 2007.28594 5 -0.226 -23.731 2058.817280 6 -12.901 -22.873 2105.29498 8 -20.370 -29.042 2142.62988 8 -20.370 -29.042 2142.62988 9 -20.573 -36.157 7128.86234 10 -13.369 -36.378 2038.25943 11 -6.876 -36.602 1996.68417 12 -1.805 -42.939 2019.88004 13 -1.507 -36.807 1993.31633 14 -1.145 -30.655 2033.94293 15 -0.703 -24.195 2054.43497 16 -0.147 -17.064 2153.01926	AZS/C AZ -9-3 726.6 5. 22.6 255.3 348.9 813.2 548.9 8.2 1. 16.9	SEC TO 959.  N AZSUN D 76.4 Q 776.4 Q	TAB NO  IMPACT 920  AZA 74.5 63.4 76.0 51.9 35.9 48.5 57.2 70.2 85.2 76.0 26.5 735.7 20.3	ALT 1990.30093 Ae 99.01292 97.41178 93.82969 94.95179 96.91357 90.77221 101.35421 100.20484 96.40976 93.82969 91.27255 91.27255 93.81739 91.27255 93.81739 93.82969 91.27255	ATLI 3 -3.: 8/A 0.900 0.937 0.986 0.936 0.848 0.848 0.848 0.893 0.993 0.993 0.993 0.993 0.993 0.995 0.995 0.985	AS PHOTO  T	ON .353 INCU 58.8 51.3 57.5 64.0 65.5 67.9 61.0 52.6 50.7 56.8 63.3 70.4 63.3 70.4 63.3	R 3725.75  PHAZ EMI: 38.3 35.4 47.6 20.4 47.8 10.4 42.4 21.4 42.2 28.4 47.8 32.5 53.2 6.5 53.2 6.9 14.5 53.7 4.6 48.4 9.6 43.1 21.6	POD 5  ALPHA  31.4  7 -2.1  9.5  21.5  2 22.0  4 7.4  7 -2.1  9 -5.5  3 -2.7  7 -2.1  4 -14.3  6 -3.0  8 8.3  2 9.9  5 32.2	PTH AZ -74.450 116- SCALE P1 0. C 363.05149 1 276.97.209 1 198.63123 4 203.79762 229.1785 6 214.95278 201.97890 1 218.28650 1 26.72929 1 245.4108 1 186.75702 1 196.93098 1 186.75702 1	7 - 978 T-PT 1- 2 2- 3 3- 4 4- 5 5- 7 7- 8 8- 9 9-10 0-11 1-12 2-13 3-14 4-15
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				RA-VI	I CAMER	A FA								7
JULY 31,1964 13 HR	9 MIN 54	SEC 0	MS		TAB NO	13	ATL	AS PHOTO	NO NO	13		POD	SEQUENCE N	0 32
TRAJECTORY DATA				SEC TO 954.		ALT 1980.6563	LA		DN		R	٧	PTH	AZ
PHOTO DATA													-74.421 11	16.973
PT LAT LON 1 -12.077 -17.581	RANGE 2159.80029	AZS/C -9.4	AZN 7.0	AZSUN -76.5	AZA 74.4	A* 98.54530	B/A 0.900	-93.1		PHAZ 38.3		ALPHA 31.3	SCALE 0-	PT-PT
2 -13.105 -29.766	2040.03450	-26.7	5.2	-79.0	63.3	96.95124	0.937	~90.2	58.9	47.6	20.4	9.4	361.49257	0- 1 1- 2
	1987.05304 1997.70114	22.1 -55.2	2.1 3.9	-80.4 -81.6	75.8 51.9	93.37992 94.49919		-85.5 -85.1	51.4	53.2	6.7	-2.1	275.61430	2- 3
5 -6.258 -23.724	2049.07608	-73.1	5.5	-82.4	36.0	96.45233		-84.7	64.0	47.8	21.9	9.6 21.5	188.26976 197.68851	3- 4 4- 5
6 -12.902 -22.869 2 7 -20.312 -21.477 2	2095.31641 2196.19690	-48.9 -34.8	8.4	-81.2 -81.1	48.6 57.2	99.10721		-90.2	65.5	42.2	28.2	21.9	202.84852	5- 6
8 -20.335 -29.009	2132.45319	-16.9	12.6	-77.3	70.2	103.42632		-95.6 -95.2	61.0	42.5 47.8	38.4	20.9 7.4	228.06057	6- 7 7- 8
	2118.61478	4.9	1.8	-73.4	85.1	99.72240	0.866	-94.8	54.6	53.2	30.9	-5.4	201.02141	8- 9
	2028.50031 1987.05304	8.1 22.1	1.9 2.1	-76.4 -80.4	82.0 75.8	95.94813 93.37992		-90.1 -85.5	52.7 51.4	53.0 53.2		-2.7 -2.1	217.21494 195.79806	9-10
12 -1.859 -42.840 2	2009.78281	105.4	1.5	-84.1	25.7	92.25329	0.999	-82.2	44.7			-14.2	244.17021	
14501 504157	1983.56239 1994.22932	146.9	2.3	-84.4 -84.3	65.5 35.9	90.81585 93.15667	0.983	-81.6 -80.8		53.7	4.5	~3.0	184.95407	
15 -0.762 -24.188	2044.50478	-100.7	3.5	-83.9	20.6	95.13472	0.952	-80.0		48.4 43.1	9.8	8.3 19.9	185.85370	
	2142.47455 2149.71741	-96.9 -79.0	3.8	-83.1	13.0	98.29618		-79.0	70.4	37.9	33.4	32.1	215.53118	15-16
18 -12.767 -15.147	2204.63986	-60.8	7.0 11.5	-82.9 -83.4	25.7 37.5	99.76459 102.82151		-84.1 -90.2		37.2 36.8		34.0 35.2	173.04135 212.04659	
19 -20.529 -12.816 2	2324.80167	-47.3	17.9	-85.6	46.5	107.99128	0.683	-96.2	76.0	37.2	48.1	35.7	244.62437	18-19
	2558.72040 2380.39056	-37.9 -26.5	29.3	-91.9 -83.3	53.5 63.5	117.35258				38.2 43.3		37.4 18.2	325.26218 287.98658	
22 -29.036 -27.772	2297.43564	-14.5	11.4	77.5	74.8	107 10322				48.6		2.7	233.03029	
	2278.37213	3.5 18.8	1.8 -8.0	-72.1 -66.2	87.3 10.2	105.75455		-99.3				-11.5	213.85138	22 23
25 -20.905 -43.153	2150.42953	25.5	-3.8	-68.7	10.2	105.97840 99.79754		-98.6 -94.4				-25.3 -18.1	213.54527 264.62611	
	2057.48358	38.2	-1.5	-73.1	12.6	95.96999	0.936	-90.1	46.6	58.4	23.2	-14.7	218.65557	25-26
28 -1.859 -42.840 2	2014.36949 2009.78281	66.0 105.4	0.2 1.5	-78.7 -84.1	16.9 25.7	93.58194 92.25329		-85.9				-13.6	196.31021	
								→R2.2						
		10214	1.,,						44.7		14.3		162.14580	
	9 MIN 59				TAB NO	14		+82.2 AS PHOTO		14	14.3		EQUENCE NO	
				•	TAB NO	14	ATL	AS PHOTO	NO			POD S	EQUENCE NO	34
JULY 31,1964 13 HR TRAJECTORY DATA					TAB NO		ATL	AS PHOTO	<b>NO</b>	14	R	POD S		) 34 AZ
JULY 31,1964 13 HR	9 MIN 59 :	SEC 120	MS	SEC TO 949.	TAB NO	14 ALT 1971.00443	ATLA	AS PHOTO 1 L( 542 -35;	NO IN 1.279	14 370	R 06.460	POD S	PTH -74.393 11	AZ L <b>6.</b> 968
JULY 31,1964 13 HR TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -12.068 -17.599 2	9 MIN 59 : RANGE 2149.43744	SEC 120 AZS/C -9.5	MS AZN 7.0	SEC TO 949. AZSUN -76.5	TAB NO IMPACT 680 AZA 74.3	ALT 1971.00443 A* 98.07720	ATL/	AS PHOTO	NO IN .279 INCD 70.5	37( PHAZ 38.3	R 06.460 EMIS 35.1	POD S	EQUENCE NO	AZ L6.968
JULY 31,1964 13 HR TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -12.068 -17.599 2 -13.105 -29.729 2	9 MIN 59 : RANGE 2149-43744 2030-33609	AZS/C -9.5 -26.7	AZN 7-0 5-2	SEC TO 949.  AZSUN -76.5 -79.0	TAB NO IMPACT .680 AZA 74.3 63.3	ALT 1971.00443 A. 98.07720 96.49033	B/A 0.900 0.937	AS PHOTO  1 L(  542 -35;  AZPHAZ  -93.1  -90.2	NO .279 INCD 70.5 58.9	370 PHAZ 38.3 47.6	R 26.460 EMIS 35.1 20.4	POD S V 0 1.958 ALPHA 31.3 9.5	PTH -74.393 11 SCALE 0. 359.91715	AZ L6.968 PT-PT 0-1 1-2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.407 1 4 -6.623 -30.425 1	9 MIN 59 RANGE 2149-43744 030-33609 1977-41426 1988-12779	SEC 120 AZS/C -9.5	MS AZN 7.0	SEC TO 949. AZSUN -76.5	TAB NO IMPACT 680 AZA 74.3	ALT 1971.00443 A* 98.07720 96.49033 92.92977	ATLA B/A 0.900 0.937 0.998	AS PHOTO  1 L( 1542 -35;  AZPHAZ -93.1 -90.2 -85.5	NO .279 INCD 70.5 58.9 51.5	370 PHAZ 38.3 47.6 53.2	R 26.460 EMIS 35.1 20.4 6.7	POD S V 0 1.958 ALPHA 31.3 9.5 -2.0	PTH -74.393 11 SCALE 0. 359.91715 274.32553	AZ 16.968 PT-PT 0-1 1-2 2-3
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2	9 MIN 59  RANGE 2149-43744 2030-33609 1977-41426 1988-12779 2039-27620	AZS/C -9.5 -26.7 21.5 -55.1 -73.0	AZN 7.0 5.2 2.1 3.9 5.5	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.6 -82.4	TAB NO  IMPACT .680  AZA 74.3 63.3 75.6 52.0 36.1	ALT 1971.00443 A* 98.07720 96.49033 92.92977 94.04630 95.99094	B/A 0.900 0.937 0.998 0.986 0.936	AS PHOTO  1 L( 542 -35,  AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7	NO DN .279 INCD 70.5 58.9 51.5 57.6 64.0	370 PHAZ 38.3 47.6 53.2 47.8 42.5	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9	POD S V 1.958 ALPHA 31.3 9.5 -2.0 9.6 21.5	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777	AZ L6.968 PT-PT 0-1 1-2
JULY 31,1964 13 HR  TRAJECTERY DATA  PHOTO DATA PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2	9 MIN 59 RANGE 2149-43744 030-33609 1977-41426 1988-12779 039-27620 0285-37335	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9	AZN 7.0 5.2 2.1 3.9 5.5 8.4	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.6 -82.4 -81.2	TAB NO IMPACT .680 AZA 74-3 63-3 75-6 52-0 36-1 48-6	ALT 1971.00443 A. 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689	B/A 0.900 0.937 0.998 0.986 0.936	AS PHOTO  AZPHAZ  -93.1  -90.2  -85.5  -84.7  -90.2	NO DN .279 INCD 70.5 58.9 51.5 57.6 64.0 65.5	370 PHAZ 347.6 53.2 47.8 42.5 42.5	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9 28.2	POD S V 1.958 ALPHA 31.3 9.5 -2.0 9.6 21.5 21.9	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 201.89876	AZ L6a96B PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.481 2 8 -20.300 -28.976 2	9 MIN 59  RANGE 2149-43744 2030.33609 1977-41426 1988.12779 2085.37335 1185.70346	AZS/C -9.5 -26.7 -55.1 -73.0 -48.9 -34.8 -17.0	AZN 7.0 2.1 3.9 5.5 8.4 12.6 7.3	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.6 -82.4 -81.2 -81.1 -77.4	TAB NO IMPACT 680  AZA 74.3 63.3 75.6 52.0 36.1 48.6 57.2 70.1	ALT 1971.00442 A. 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093	B/A 0.900 0.937 0.998 0.986 0.936 0.9849	AS PHOTO  1 L( 1542 -35,  AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7 -90.2 -95.6 -95.2	NO 279 1NCD 70.5 58.9 51.5 57.6 64.0 65.5 67.9 61.0	37( PHAZ 38.3 47.6 53.2 47.8 42.5 42.5 42.5 42.5	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9 28.2 38.4	POD S V 1.958 ALPHA 31.3 9.5 -2.0 9.6 21.5	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777	AZ L6.968 PT-PT 0-1 1-2 2-3 3-4 4-5
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.881 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2	9 MIN 59  RANGE 2149.43744 2030.33609 1977.41426 2085.37335 2185.70346	AZS/C -9.5 -26.7 21.5 -73.0 -48.9 -34.8 -17.0 4.8	AZN 7.0 5-2 2.1 3.9 5.5 8-4 12.6 7.3 1.9	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.2 -81.1 -77.4 -73.5	TAB NO  IMPACT 680  AZA 74.3 63.3 75.6 52.0 36.1 48.6 57.2 70.1 85.0	ALT 1971.00443 A. 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093 99.23944	8/A 0.900 0.937 0.938 0.936 0.936 0.936 0.885 0.885 0.849 0.849	AS PHOTO  I L( 542 -35; AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7 -90.2 -95.6 -95.2 -94.8	NO 279 1NCD 70.5 58.9 51.5 57.6 64.0 65.5 67.9 61.0 54.7	370 PHAZ 38.3 47.6 53.2 47.8 42.5 42.5 42.5 47.9 53.3	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9 28.2 38.4 30.9	POD S V 1.958 ALPHA 31.3 9.5 -2.0 21.5 21.9 20.9	PTH -74.393 11 SCALE 0.359.91715 274.32553 187.36777 196.74615 201.89876 201.89876 202.90386	AZ L6.96B PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 5 -6.23 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.876 2 7 -20.277 -21.481 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1	9 MIN 59  RANGE 2149-43744 2030.33609 1977-41426 1988.12779 2085.37335 1185.70346	AZS/C -9.5 -26.7 -55.1 -73.0 -48.9 -34.8 -17.0	AZN 7.0 2.1 3.9 5.5 8.4 12.6 7.3	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.6 -82.4 -81.2 -81.1 -77.4	TAB NO IMPACT .680  AZA .74.3 63.3 63.3 63.6 52.0 36.1 48.6 57.2 70.1 85.0 81.9	ALT 1971.00442 98.07720 96.49033 92.92977 94.104630 95.99094 98.63689 102.93217 100.39093 99.23944	ATL/ 8/A 0.900 0.937 0.986 0.986 0.791 0.885 0.791 0.866 0.953	AS PHOTO  5 L( 542 -35,  AZPHAZ -93.1 -90.2 -85.5 -85.5 -84.7 -90.2 -95.6 -95.2 -94.8 -90.1	NO IN .279 INCD 70.5 58.9 51.6 64.0 65.5 67.9 61.0 54.7	370 PHAZ 38.3 47.6 53.2 47.8 42.5 42.2 42.5 47.9 53.0	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9 28.2 38.4 32.4 30.9 18.3	POD S V 1.958 ALPHA 31.3 9.6 21.5 21.9 20.9 7.5 -5.4	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 201.89876 226.94203 212.90386 200.06321	AZ L6a96B PT-PT 0-1 1-2-3 3-4 4-5 5-6 6-7 7-8 8-9
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT  1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.881 8 -20.300 -28.976 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1	9 MIN 59  RANGE 2149, 43744 2030, 33609 1977, 41426 1988, 12779 2085, 37335 2185, 70346 2122, 26746 2108, 35617 2118, 73158 1977, 41426	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 -34.8 -17.9 21.5 -15.3	AZN 7.0 5.2 2.1 3.9 5.5 8.4 12.6 7.3 1.9 1.9 2.1	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.2 -81.1 -77.4 -73.5 -76.5 -80.4 -84.8 -84.8	TAB NO IMPACT .680  AZA .74.3 .75.6 .52.0 .48.6 .57.2 .70.1 .85.0 .81.9 .75.6 .24.9	14 ALT 1971.00443 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093 99.23944 95.48605 92.92977 91.75082	B/A 0.900 0.937 0.998 0.986 0.936 0.885 0.791 0.849 0.866 0.953	AS PHOTO  1 L(542 -35;  AZPHAZ -93.1 -90.2 -85.1 -86.7 -90.2 -95.6 -95.2	NO 279 1NCD 50.5 50.9 51.5 57.6 64.0 65.5 67.9 61.0 54.7 52.7 54.8	370 PHAZ 38-3 47-6 53-2 47-8 42-5 42-5 47-9 53-3 53-0 53-2 58-9	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9 28.2 38.4 32.4 30.9 18.3 6.7	POD S V 1.958 ALPHA 31.3 9.5 -2.0 9.6 21.5 21.9 20.9 -5.4 -2.6 -2.6 -14.1	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 201.89876 226.94203 212.99386 200.06321 216.14195 216.14195 194.86568	AZ L6_968 PT-PT 0-11-2 2-3 3-45-5-6 6-7 7-8 8-9 9-10 10-11
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.481 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.470 1	9 MIN 59  RANGE 2149.43744 2030.33609 1977.41426 1988.12779 1039.27620 122.26746 2108.35617 2018.73158 1977.41426 1999.67940	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 -34.8 -17.0 4.8 7.9 21.5 105.3 147.0	AZN 7.0 5.2 1.3.9 5.5 8.4 12.6 7.3 1.9 2.1 1.4 2.3	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.2 -81.1 -77.4 -73.5 -76.5 -80.4 -84.1 -84.1	TAB NO IMPACT.680  AZA 74.3 63.3 75.6 52.0 36.1 48.6 57.2 70.1 85.0 81.9 75.6 24.9 65.3	ALT 1971.00443 Ae 98.07720 96.49033 92.92977 94.04630 98.63689 102.93217 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914	8/A 0.900 0.937 0.998 0.936 0.936 0.936 0.936 0.998 0.998 0.998	AS PHOTO  T L(  542 -35;  AZPHAZ -93.1 -90.2 -85.5 -85.1 -90.2 -95.6 -95.2 -94.8 -95.6 -95.2 -96.8	NO DN .279 INCD 70.5 58.9 51.5 57.6 64.0 65.5 67.9 61.0 54.7 52.7 51.5 44.8	370 PHAZ 38.3 47.6 53.2 42.5 42.5 42.5 42.5 53.0 53.0 53.2 53.9 53.7	R 06.460 EMIS 35.1 20.4 6.7 11.9 28.2 38.4 30.9 18.3 6.7 14.2	POD S V 1.958 ALPHA 31.3 9.5 -2.0 9.6 21.9 20.9 7.5 -5.4 -2.6 -2.0 -14.1	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 201.89876 206.94203 212.90386 200.06321 216.14195 194.86568 242.9258	AZ L6_96B PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.481 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.180 2	9 MIN 59  RANGE 2149.43744 2030.33609 1977.41426 1988.12779 1039.27620 1122.26746 1128.73158 1977.41426 1999.67940 1973.80299 1984.52991	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 -17.0 4.8 7.9 21.5 105.3 147.0 -113.0 -100.6	AZN 7.0 5.2 2.1 3.9 5.5 8.4 12.6 7.3 1.9 2.1 1.4 2.3 3.0	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.6 -82.4 -77.5 -76.5 -76.5 -80.4 -84.3 -84.3	TAB NO IMPACT .680  AZA .74.3 .75.6 .52.0 .48.6 .57.2 .70.1 .85.0 .81.9 .75.6 .24.9	14 ALT 1971.00443 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093 99.23944 95.48605 92.92977 91.75082	B/A 0.900 0.937 0.986 0.936 0.986 0.791 0.849 0.885 0.791 0.898 0.998 0.998	AS PHOTO  1 L(542 -35;  AZPHAZ -93.1 -90.2 -85.1 -86.7 -90.2 -95.6 -95.2	NO DN .279 INCD 70.5 58.9 51.5 64.0 65.5 67.9 61.0 752.7 51.5 44.8 50.8	370 PHAZ 38.3 47.6 53.2 42.5 42.5 42.5 42.5 53.0 53.0 53.2 53.9 53.7	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9 28.2 38.4 32.4 30.9 18.3 6.7 14.2 4.5	POD S V 1.958 ALPHA 31.3 9.5 -2.0 9.6 21.5 21.9 20.9 -5.4 -2.6 -2.6 -14.1	PTH -74-393 11 SCALE 0. 359-91715 274-32553 187-36777 196-74615 201-89876 200-06321 212-90386 200-06321 216-14195 194-86568 184-00310 184-95014	AZ L6_96B PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.86 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.180 2 16 -0.271 -17.122	9 MIN 59  RANGE 2149, 43744 (030, 33609 1977, 41426 1988, 12779 2085, 37335 2185, 70346 2122, 26746 2108, 35617 2118, 73158 1977, 41426 1973, 80299 1984, 52991 2034, 57373	AZS/C -9.5 -26.7 -21.5 -55.1 -73.0 -48.9 -17.0 4.8 71.9 21.5 105.3 147.0 -113.0 -100.6	AZN 7.0 5-2 2.1 3.9 5-5 8-4 12.6 7.3 1.9 2.1 1.4 3.0 3.5	AZSUN -76.5 -79.0 -80.4 -81.6 -81.2 -81.1 -77.4 -73.5 -76.5 -80.4 -84.3 -83.9 -83.9 -83.9	TAB NO  IMPACT .680  AZA .74.3 .63.3 .75.6 .52.0 .48.6 .57.2 .70.1 .85.0 .81.9 .75.6 .24.9 .36.1 .20.8 .31.1	14 ALT 1971.00442 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093 99.23944 90.35914 92.48605 92.92977 91.75082 90.35914 92.70181 94.67241 97.81230	ATL/ 8-A-1-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3	AS PHOTO  T	NO ON .279 INCD 70.5 557.6 65.5 67.9 61.0 54.7 52.7 51.5 40.8 56.9 63.3	370 PHAZ 38-3 47-6 53-2 47-8 42-5 42-5 47-9 53-0 53-7 48-4 43-1 38-0	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9 28.4 32.4 32.4 4.5 9.8 21.1	POD S  V 1.958  ALPHA 31.3 9.5 -2.0 621.5 21.9 7.5 -5.4 -2.0 -14.1 -2.9 8.4 19.9 32.1	PTH -74-393 11 SCALE 0. 359-91715 274-32553 187-36777 196-74615 201.69876 200.06321 21-90386 200.06321 216-14195 194-86568 184-00310 184-03955 184-03955 144-1692	AZ 16.96B PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.86 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.180 2 16 -0.271 -17.122 2 17 -5.921 -16.488 2 18 -12.768 -15.182 2	9 MIN 59  RANGE 2149.43744 030.33609 1977.41426 1988.12779 085.37335 2185.70346 2122.26746 2108.35617 2018.73158 1977.41426 1973.80299 1984.52991 034.57373 1313.93445 1331.93445	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 -17.0 4.8 7.9 21.5 105.3 147.0 -113.0 -100.6	AZN 7.0 5.2 2.1 3.9 5.5 8.4 12.6 7.3 1.9 2.1 1.4 2.3 3.0	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.6 -82.4 -77.5 -76.5 -76.5 -80.4 -84.3 -84.3	TAB NO  IMPACT .680  AZA 74.3 63.3 75.0 36.1 48.6 57.2 70.1 81.9 65.3 24.9 65.3 26.8 13.1 25.8	ALT 1971.00443 98.07720 96.49033 92.92977 94.04630 98.63689 102.93217 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914 92.70181 94.67241 97.81230 99.28155	ATL/ 8-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3	AS PHOTO  L(142 -35, AZPHAZ -93.1, -90.2 -85.5 -1 -80.7 -90.6 -95.6 -95.6 -95.6 -90.1 -85.5 -82.6 -80.0 -79.0 -84.1	NO IN .279 INCD 70.5 58.9 51.5 57.6 64.0 65.5 67.9 61.0 52.7 51.5 44.8 56.9 63.3 70.3	37( PHA23 47.6 53.2 47.8 42.5 42.5 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53	R 06.460 EMIS 35.1 20.4 6.7 11.0 21.9 28.2 38.4 32.4 30.9 6.7 14.2 9.8 21.1 33.4	POD S  V 1.958 ALPHA 31.3 9.5 -2.0 9.6 21.5 21.9 20.9 7.54 -2.6 -2.0 -14.1 -2.9 32.1 34.0	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 216.94203 212.90386 200.06321 216.1495 126.1495 126.4495 126.4495 126.4495 126.4495 126.4495 126.4495 126.4495 126.4495 126.43955 124.41692	AZ 16.968 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15 15-16
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 3 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.481 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.180 2 16 -0.271 -17.122 2 17 -5.921 -16.488 2 18 -12.768 -15.182 2 18 -12.768 -15.182 2	9 MIN 59  RANGE 2149, 43744 2030, 33609 1977, 41426 1988, 12779 2085, 37335 1185, 70346 1108, 35617 11	AZS/C -95.7 21.5 -55.1 -73.0 -48.9 -17.0 4.8 7.9 21.5 147.0 -113.0 -100.6 -96.8 -78.9	AZN 7.0 5.2 2.1 3.9 5.4 12.6 7.3 1.9 1.9 2.1 1.4 2.3 3.5 3.8 7.0 11.4 17.8	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.2 -81.1 -77.4 -73.5 -76.5 -80.4 -84.3 -83.9 -83.1 -82.9 -83.4 -82.9	TAB NO  IMPACT .680  AZA .743 .756 .520 .361 .486 .701 .850 .819 .756 .319 .756 .319 .376 .486 .316 .316 .316	14 ALT 1971.00443 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914 94.67241 97.81230 99.28155 102.32669	ATL/ 8 -3.: 8/A 0.900 0.937 0.986 0.936 0.885 0.791 0.866 0.953 0.998 0.983 0.998 0.983 0.983 0.983 0.984 0.983 0.984 0.986	AS PHOTO  L(542 -35.  AZPHAZ -93.1 -90.2 -85.1 -84.7 -90.2 -95.6 -95.6 -95.6 -95.6 -96.6 -80.8 -80.0 -79.0 -79.0 -79.0 -79.0 -79.0	NO DN 279 INCD 558.9 51.5 64.0 65.5 61.0 54.7 51.5 44.8 56.9 67.9 77.5 77.5	370 PHA23 47.6 53.2 47.8 42.5 47.9 53.3 53.2 58.9 748.4 43.1 337.2 337.2	R 96.460 EMIS 20.4 6.7 11.9 28.2 430.9 16.7 14.5 9.8 233.4 339.1 445.0	POD S V 1.958 ALPHA 31.3 9.5 -2.0 21.5 21.9 7.5 -2.6 -2.6 -14.1 -2.9 32.1 134.0 35.6	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 216.94203 212.90386 200.06321 216.14195 194.86568 184.00310 184.95014 194.03395 214.41692 214.33753	AZ 16.968 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16-17 17-18 18-19
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.80 2 16 -0.271 -17.122 2 17 -5.921 -16.482 2 18 -12.768 -15.182 2 19 -20.492 -12.669 2 20 -30.275 -8.167 2	9 MIN 59  RANGE 2149.43744 2030.33609 1977.41426 1988.12779 2039.27620 2085.37335 2185.70346 2108.35617 2018.73158 21977.41426 1999.67940 1973.80299 1984.52991 2034.57373 2131.93445 2131.93445 2131.93445 2131.93445 2131.93445	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 71.5 105.3 147.0 -113.0 -100.6 -96.8 -78.9 -60.8 -47.3 -37.9 -37.9	AZN 7.00 5.2 2.1 3.9 5.5 8.4 12.6 7.3 3.5 3.8 7.0 11.4 129.2	SEC TO 949.  AZSUN -79.0 -80.4 -81.6 -82.4 -81.1 -73.5 -76.5 -80.4 -84.3 -84.3 -84.3 -85.5 -91.8	TAB NO IMPACT .680  AZA 74.3 75.6 36.1 46.1 70.1 81.9 24.9 36.1 20.8 13.1 25.6 46.5	ALT 1971.00442 Ae 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914 92.70181 94.67241 97.81230 99.28155 102.32669 107.46377 116.73594	### ATL/  ### ATL/  ### B/A  0.900 0.937 0.998 0.986 0.985 0.998 0.983 0.998 0.983 0.999 0.952 0.863 0.970 0.684 0.498	AS PHOTO  1	NO DN .279 10.5 58.9 51.5 58.9 51.5 64.0 65.5 64.0 65.5 52.7 52.7 54.8 56.9 63.3 70.3 70.3 72.9 75.9	370 PHAZ 38-3 47-6 53-2 47-8 42-5 42-5 53-0 53-9 53-7 43-1 38-3 37-2 36-8 37-2	R R 86.460 EMIS 35.1 20.4 66.7 121.9 28.2 30.9 32.4 32.4 5.3 33.4 33.4 33.4 33.4 33.4 33.4 33.	POD S  V 1.958  ALPHA 31.3 9.5 -2.0 91.5 21.9 20.9 20.9 -7.5 -5.4 -2.0 -14.1 -2.9 8.4 19.9 32.1 34.0 35.2 35.6	PTH -74.393 11 SCALE 0- 359.91715 274.32553 187.36777 196.74615 201.89876 200.06321 216.14195 194.86568 242.92958 184.00310 184.95014 194.03955 214.41692 172.20345 211.03781 243.35395 222.95414	AZ (4-968 PT-PT 0-1 2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-11 11-12 112-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.716 2 6 -12.903 -22.816 2 7 -20.277 -21.481 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.180 2 16 -0.271 -17.122 2 17 -5.921 -16.82 2 18 -12.768 -15.182 2 20 -30.275 -8.167 2 21 -29.274 -18.991 2 22 -28.953 -2.7746 2	9 MIN 59  RANGE 2149.43744 (030.33609 1977.41426 (1988.12779 (039.27620 (122.26746 (120.8.7315 (1426.999.67940 (1973.80299 (1987.3182) (1973.80299 (1984.03070 (1313.44296 (134.57510 (1313.44296 (134.57510 (1313.44296 (134.57510 (1313.44296 (134.57510 (1313.44296 (134.57510 (1313.44296 (134.57510 (1313.44296 (134.57510	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 21.5 105.3 147.0 -113.0 -100.6 -96.8 -47.3 -37.9 -26.5 -12.5	AZN 7.00 5.2 2.1 3.9 2.1 1.9 2.1 1.4 2.3 3.0 11.4 17.8 29.2 20.2	SEC TO 949.  AZSUN 7-76.5 -79.0 -80.4 -81.2 -81.1 -77.4 -73.5 -76.5 -80.4 -84.3 -84.3 -84.3 -85.5 -91.8 -83.3 -77.5	TAB NO IMPACT .680  AZA .74.3 .75.6 .363.3 .75.0 .85.0 .85.0 .85.0 .81.9 .64.1 .85.0 .81.9 .65.1 .63.1 .63.1 .63.1 .63.1 .63.1 .63.1 .63.1 .63.1 .63.1	14 ALT 1971.00443 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914 94.67241 97.81230 99.28155 102.32669	ATL/ B/A 0.900 0.937 0.998 0.936 0.849 0.849 0.866 0.953 0.998 0.998 0.998 0.998 0.983 0.999 0.663 0.684 0.636 0.6498 0.636 0.636 0.6498 0.636 0.636 0.6498 0.636 0.636 0.6498 0.636 0.636 0.6498 0.636 0.636 0.6498 0.636 0.636 0.6498 0.636 0.636 0.6498 0.6498 0.636 0.636 0.6498 0.6498 0.6498 0.636 0.636 0.6498	AS PHOTO  1 L(542 -35.  AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7 -90.2 -95.6 -95.6 -95.6 -80.8 -80.0 -79.0 -84.6 -80.0 -79.0 -80.8 -80.0 -79.0 -80.8 -80.0	NO ON .279 INCD 70.5 58.9 57.6 64.0 65.5 67.9 61.0 56.3 3 71.2 775.9 81.2	370 PHA23 47.6 53.2 47.8 42.5 47.9 53.3 53.2 58.9 748.4 43.1 337.2 337.2	R R C6.466 S S S S S S S S S S S S S S S S S S	POD S V 1.958 ALPHA 31.3 9.5 -2.0 21.5 21.9 7.5 -2.6 -2.6 -14.1 -2.9 32.1 134.0 35.6	PTH -74.393 11 SCALE 0. 359-91715 274.32553 187.36777 196.74615 201.89876 200.06321 216.14195 194.86568 184.00310 184.9591 194.03955 214.41692 211.03781 243.35395 322.95414 866.6248	AZ (6-968 PT-PT O-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9-10 10-11 11-12 12-13 13-14-15 15-16-17 17-18 18-19 20-21 20-21
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT  1 -12,068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.623 -30.245 1 6 -12.903 -22.865 2 7 -20.277 -21.881 2 10 -13.366 -36.24 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.80 2 16 -0.271 -17.122 1 17 -5.921 -16.488 2 18 -12.768 -15.182 2 19 -20.499 -12.869 2 20 -30.275 -8.167 2 21 -29.274 -18.991 2 22 -28.953 -27.746 2 23 -29.050 -35.80 2	9 MIN 59  RANGE 2149, 43744 (030, 33609 1977, 41426 1988, 12779 (039, 27620 (085, 37335 1185, 70346 1122, 26746 1108, 35617 (118, 73158 1977, 41426 1973, 80299 1034, 57373 131, 9436 131, 9436 131, 9436 131, 9436 131, 9436 131, 9436 131, 94296 1354 139, 3125 131, 44296 1354 13528 1368, 57510 1286, 13528	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 -34.8 7.9 21.5 105.3 147.0 -113.0 -100.6 -96.8 -78.9 -60.8 -47.3 -37.9 -26.5 -12.4	AZN 7.00 5.2 2.1 3.9 5.2 12.6 3.0 3.0 3.0 3.8 7.0 11.4 17.8 220.2 11.2 20.2 11.2	SEC TO 949. AZSUN 5-79.0 -80.4 -81.4 -73.5 -79.0 -80.4 -81.1 -84.3 -83.9 -83.9 -83.4 -81.8 -81.9 -81.9 -81.9 -81.9 -81.9 -81.9 -81.9 -81.9 -81.9 -81.9 -81.9	TAB NO IMPACT  AZA 63.3 63.3 652.0 368.6 570.1 85.0 975.6 965.3 36.1 20.8 1.3.8 37.65 53.5 74.8 87.2	14 ALT 1971.00443 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914 92.70181 94.67241 97.81230 99.28155 107.46377 116.73594 110.06655 106.66585 106.66585 106.66585	B/A 0.900 0.937 0.998 0.986 0.936 0.986 0.985 0.791 0.849 0.865 0.795 0.868 0.998	AS PHOTO  L(542 -35.  AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7 -90.2 -95.6 -95.2 -94.8 -90.1 -85.5 -82.2 -81.6 -80.0 -79.0 -84.1 -90.2 -101.0 -100.1	NO DN .279 INCD 70.5 58.9 57.6 64.0 65.5 67.9 61.0 752.7 744.8 775.9 63.3 70.3 77.2 9 75.9 64.3 64.3 75.9 64.3 75.9 64.3 75.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9	37(2 747.8 47.6 47.6 47.5 53.2 47.9 53.3 53.2 42.5 53.7 48.4 43.3 37.2 43.3 43.3 43.6	R R 96-460	POD S V 1.958 ALPHA 31.3 9.5 -2.0 21.5 22.9 7.5.4 -2.6 -2.6 -2.6 -14.1 -2.9 8.4 19.2 35.6 37.2 21.9 21.9	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 201.89876 226.94203 212.90386 200.06321 216.14195 194.86568 184.00310 184.95014 194.03955 214.41692 172.20345 211.03781 214.35395 322.95414 231.83956	AZ 6-968 PT-PT 0-1 1-2 2-3 3-4 4-5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-22 22-22 22-22
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT  1-12.068 -17.599 2 2-13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.86 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.244 2 11 -6.936 -36.467 1 12 -1.914 -42.740 1 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.180 2 16 -0.271 -17.122 2 17 -5.921 -16.488 2 18 -12.768 -15.182 2 19 -20.492 -12.869 2 20 -30.275 -8.167 2 21 -29.274 -18.991 2 22 -28.953 -27.746 2 23 -29.050 -35.780 2 24 -29.521 -43.803 2 25 -20.865 -43.466 2	9 MIN 59  RANGE 2149, 43744 (030, 33609 1977, 41426 1988, 12779 (039, 27620 (085, 37335 185, 70346 2122, 26746 11018, 73158 1977, 41426 1999, 67940 1973, 80299 1034, 57373 1313, 44296 1313, 44296 13528 1313, 44296 13528 1368, 57510 286, 13528 2867, 10925 2303, 96387	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 21.5 105.3 147.0 -113.0 -100.6 -96.8 -47.3 -37.9 -26.5 -12.5	AZN 7.00 5.2 2.1 3.9 2.1 1.9 2.1 1.4 2.3 3.0 11.4 17.8 29.2 20.2	SEC TU 949. AZSUN -76.5 -79.0 -80.4 -81.2 -81.1 -77.4 -73.5 -80.4 -84.3 -84.3 -84.3 -84.3 -84.3 -84.3 -85.5 -72.1 -84.3 -85.5 -72.1 -66.3	TAB NO IMPACT .680  AZA .74.3 .63.3 .75.0 .36.1 .65.7 .1 .85.0 .81.9 .624.9 .36.1 .31.1 .20.8 .37.6 .63.5 .63.5 .63.5 .63.5 .63.5 .63.5	ALT 1971.00443 As 98.07720 96.49033 92.92977 94.04630 95.99094 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914 97.81230 99.28155 102.32669 107.46377 116.73594 110.066555 106.66585 105.22694	8/A 0.900 0.936 0.936 0.936 0.936 0.936 0.938	AS PHOTO  142 -35.  AZPHAZ -93.1 -90.2 -85.5 -85.1 -84.7 -90.2 -95.6 -95.6 -95.6 -90.1 -85.5 -82.2 -94.8 -90.1 -80.0 -79.0 -84.1 -90.2 -96.2 -101.2 -96.3	NO DN .279 INCD 70.558.9 51.57.6 665.5 67.9 654.7 751.5 44.8 566.9 77.9 81.2 77.9 81.2 77.9 81.2 77.7	37( PHAZ 38.3 53.6 47.6 47.6 42.5 53.3 53.2 53.2 53.3 48.4 43.1 337.2 38.3 37.2 38.3 37.2 48.6 53.8	R 06.460 35.1 120.4 7 11.0 228.2 38.4 30.9 18.3 7 14.5 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8	POD S  V 1.958  ALPHA 31.3 31.3 31.3 2.0 9.6 21.5 20.9 7.5 -5.4 -2.0 -14.1 -2.9 8.4 19.9 32.1 33.6 35.6 37.2 18.8 -11.4 -25.1	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 26.94203 312.99386 200.06321 216.1495 124.86568 242.92958 144.00310 184.95014 194.03955 214.41692 212.3895	AZ (6-968 PT-PT 0-12 2-33-4 4-5 5-6 7 7-8 8-9 10-11 11-12 114-15 15-16 16-17 17-18 18-19 20 22 22 22 22 22 22 22 23 23 -24
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.481 2 8 -20.300 -28.976 2 9 -20.499 -36.020 2 10 -13.366 -36.44 2 11 -6.936 -36.44 2 11 -6.936 -36.467 1 12 -1.914 -42.716 2 13 -1.617 -36.670 1 14 -1.258 -30.572 1 15 -0.821 -24.80 2 16 -0.271 -17.122 2 18 -12.768 -15.182 2 19 -20.492 -12.669 2 20 -30.275 -8.167 2 21 -29.274 -18.991 2 22 -28.953 -27.746 2 23 -29.050 -35.780 2 24 -29.521 -43.803 2 25 -20.865 -43.046 2 26 -13.689 -42.736 2	9 MIN 59  RANGE 2149.43744 2030.33609 1977.41426 1988.12779 2039.27620 2085.3735 1185.70346 1108.35617 1122.26746 1108.35617 1139.3158 1977.41426 1973.80299 1984.52991 131.93445 131.31253 131.93445 131.31253 131.3455 131.3456 131.3451 139.31253 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368 131.345368	AZS/C -9.5 -26.7 -21.5 -55.1 -73.0 -48.9 -17.0 -13.0 -113.0 -100.6 -96.8 -78.9 -60.8 -47.3 -37.9 -26.5 -38.8 -25.3 38.0	AZN 7.00 5.2 2.1 3.9 5.5 4.9 2.1 12.6 3.3 5.3 3.8 7.9 2.1 1.7.8 29.2 21.2 21.2 1.8 8.7 8.8 7.8 7	SEC TO 949.  AZSUN -76.5 -79.0 -80.4 -81.2 -81.1 -77.4 -73.5 -80.4 -84.3 -84.3 -84.3 -84.3 -87.5 -72.1 -66.3 -68.8 -73.5 -72.1 -66.8 -73.5 -72.1 -76.8 -73.5 -72.1 -76.8 -73.5 -72.1 -76.8 -73.5 -72.1 -76.8 -73.5	TAB NO IMPACT  AZA 74.3 63.3 75.6 52.0 36.1 85.0 81.9 75.6 63.3 36.1 20.8 13.1 25.8 87.6 53.5 63.5 63.5 63.5 63.5	14 ALT 1971.00443 98.07720 96.49033 92.92977 94.04630 99.23944 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914 92.70181 94.67241 97.81230 99.28155 102.32669 107.46377 116.73594 107.66555 105.63113 99.30092 95.49667	ATL/ LA* -3.: 8 -3.: 8 -90 0.936 0.986 0.986 0.791 0.865 0.791 0.865 0.983 0.998 0.952 0.863 0.968 0.968 0.983 0.968 0.968 0.968 0.968 0.978 0.988	AS PHOTO  L(142 -35, AZPHAZ -93.1 -90.2 -85.5 -1 -80.7 -95.6 -95.6 -95.6 -85.5 -82.2 -81.6 -80.0 -79.0 -84.1 -90.2 -102.2 -101.0 -100.1 -99.3 -98.6 -94.4 -90.1	NO  NO  INCD 779  INCD 70-558-9  51-566-66-9  65-56-7  54-7  51-5  66-9  71-2  75-9  81-8  64-3	370 PHAZ 387.6 53.2 42.5 42.5 53.0 53.0 53.0 53.7 43.1 337.2 38.2 48.6 59.0 58.5	R 66-460 35-11-0 26-7 11-0 28-2 332-4 9-8 46-7 46-1-3 46-1-3 46-1-3 46-1-3 44-8 47-4 47-4 47-4 47-4 47-4 47-4 47-4	POD S  V 1.958  ALPHA 31.3 9.5 -2.0 9.6 21.5 221.9 20.9 7.5 -5.4 -2.0 -14.1 -2.9 8.4 19.9 32.1 33.0 35.2 35.2 35.2 2.8 -2.1 -11.4 -18.6	PTH -74.393 11 SCALE 0. 359.91715 274.32553 187.36777 196.74615 201.89876 226.94203 212.90386 200.06321 216.14195 194.86568 184.00310 184.95014 194.03955 214.41692 172.20345 211.03781 214.35395 322.95414 231.83956	AZ 6-96B PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-22 22-23 23-24 24-25
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT  1 -12.068 -17.599 2 2 -13.105 -29.729 2 3 -6.936 -36.467 1 4 -6.623 -30.245 1 5 -6.290 -23.717 2 6 -12.903 -22.865 2 7 -20.277 -21.86 2 9 -20.499 -36.020 2 10 -13.366 -36.44 2 11 -6.936 -36.467 1 12 -1.914 -42.736 2 14 -1.258 -30.572 1 15 -0.821 -24.180 2 16 -0.271 -71.28 2 16 -0.271 -11.28 2 17 -5.921 -16.488 2 18 -12.768 -15.86 2 19 -20.492 -12.869 2 20 -30.275 -8.167 2 21 -29.274 -18.991 2 22 -28.953 -27.746 2 23 -29.050 -35.46 2 24 -29.521 -43.803 2 25 -20.865 -43.046 2 26 -13.689 -42.736 2 27 -7.240 -42.664 2	9 MIN 59  RANGE 2149, 43744 (030, 33609 1977, 41426 1988, 12779 (039, 27620 (085, 37335 185, 70346 2122, 26746 11018, 73158 1977, 41426 1999, 67940 1973, 80299 1034, 57373 1313, 44296 1313, 44296 13528 1313, 44296 13528 1368, 57510 286, 13528 2867, 10925 2303, 96387	AZS/C -9.5 -26.7 21.5 -55.1 -73.0 -48.9 -34.8 -17.0 -105.3 147.0 -113.0 -100.6 -96.8 -78.9 -60.8 -60.8 -78.9 -60.8 -60.8 -78.9 -60.8 -60.8 -78.9 -60.8 -60.8 -78.9 -60.8 -60.8 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9	AZN 7.0 5.2 2.1 3.0 1.9 2.3 3.0 3.5 8.7.0 3.5 11.4 17.8 2.20.2 11.2 20.2 11.2 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	SEC TO 949. AZSUN 5-79.0-80.4-81.6-81.2-773.5-80.4-83.9-83.9-83.9-83.9-83.9-83.6-84.3-77.5-80.6-86.3-77.5-66.3-66.8-85.6-86.3-66.8-85.6-86.3-66.8-85.6-86.3-86.8-85.6-86.3-86.8-85.6-86.3-86.8-85.6-85.6-85.6-85.6-85.6-85.6-85.6	TAB NO  IMPACT  AZA3 63.3 63.3 652.0 36.1 48.6 570.1 85.0 975.6 85.0 975.6 965.3 120.8 13.1 25.8 46.5 53.5 74.8 10.7	14 ALT 1971.00442 98.07720 96.49033 92.92977 94.04630 95.99094 98.63689 102.93217 100.39093 99.23944 95.48605 92.92977 91.75082 90.35914 92.70181 94.67241 92.70181 94.67241 92.70181 94.67241 107.81230 99.28155 102.32669 107.46377 116.73594 110.06655 106.6585 106.6585 106.6585 106.6585 106.43113 99.30092	ATL/ LA* 0.90 0.936 0.986 0.865 0.986 0.986 0.866 0.867 0.998 0.666 0.702 0.702 0.703	AS PHOTO  L 1	NO DN .279 INCD 70.58.9 51.56 64.0 65.55 64.0 65.57 66.0 65.0 752.7 752.7 71.8 8 70.3 77.3 71.8 8 70.3 71.8 48.6 46.6 46.6	370 PHAZ 38-3 53-2 47-6 47-6 47-9 53-0 53-7 48-1 38-0 53-8 37-2 43-3 38-2 53-8 53-8 53-8 53-8 53-8 53-8 53-8 53-8	R 66-460 EMIS 350.4 66-7 121.9 228-2 32-4 40-8 38-4 40-8 34-1 44-8 21-3 44-8 44-8 44-8 44-8 44-8 44-8 44-8 44	POD S 1.958 ALPHA 31.3 9.5 21.9 20.9 20.9 7.5 -2.6 -2.0 1.9 21.9 20.9 3.1 21.9 21.9 21.9 21.9 21.9 21.9 21.9 21	PTH -74.393 11  SCALE 0. 359.91715 274.32553 187.3677716.74615 201.89876 20.06321 2.90386 200.06321 2.90386 242.9258 184.95014 194.03955 214.41692 172.20345 212.95418 243.35395 322.95414 286.06248 231.83956 263.01935	AZ 64-96B PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 20-21 21-22 21-22 22-23 23-24 25-25 25-26 27-26

	RA-VII CAMER	A FA	8
	TAB NO	15 ATLAS PHOTO NO	15 POD SEQUENCE NO 36
JULY 31,1964 13 HR 10 MIN 4 SEC 240	MS		
TRAJECTORY DATA	SEC TO IMPACT 944-560	ALT LAT LUN 1961.34534 -3.561 -35.242	R V PTH AZ 3696.801 1.960 -74.364 116.963
PHOTO DATA PT LAT LON RANGE AZS/C	AZN AZSUN AZA	A* B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
1 -12.059 -17.617 2139.06555 -9.6	7.0 -76.5 74.2	97.60798 0.900 -93.1 70.5	38.3 35.0 31.3 0. 0-1
2 -13.103 -29.687 2020.63870 -26.8	5.2 -79.0 63.2		47.6 20.4 9.5 358.17379 1- 2 53.2 6.8 -2.0 273.03972 2- 3
3 -6.963 -36.393 1967.75581 21.0 4 -6.652 -30.201 1978.56746 -55.1	2.1 -80.4 75.4 3.9 -81.6 51.9		47.8 11.1 9.6 186.46748 3- 4
5 -6.321 -23.703 2029.52731 -72.9	5.5 -82.4 36.2	95.53192 0.936 -84.7 64.0	42.5 21.9 21.5 195.81658 4- 5
6 -12.902 -22.855 2075.47134 -48.9	8.4 -81.2 48.6	98.16853 0.885 -90.2 65.5	42.2 28.2 21.9 200.95090 5- 6 42.5 38.3 20.9 225.82345 6- 7
7 -20.240 -21.480 2175.24362 -34.8 8 -20.263 -28.937 2112.06940 -17.1	12.6 -81.1 57.2 7.3 -77.4 7C.0	102.43963 0.792 -95.6 67.9	47.9 32.3 7.5 211.89433 7- 8
9 -20.459 -35.946 2098.04572 4.7	1.9 -73.6 84.8	98.75401 0.866 -94.8 54.7	53.3 30.8 -5.3 199.10489 8- 9
10 -13.362 -36.170 2008.92905 7.7	2.0 -76.5 81.7		53.1 18.3 -2.6 215.05774 9-10 53.2 6.8 -2.0 193.92775 10-11
11 -6.963 -36.393 1967.75581 21.0 12 -1.966 -42.635 1989.53621 105.2	2.1 ~80.4 75.4 1.4 ~84.0 24.0		58.9 14.1 -14.0 241.68420 11-12
13 -1.670 -36.596 1964.03542 147.2	2.3 -84.3 65.1	89.90202 0.983 -81.6 50.9	53.7 4.4 -2.9 183.04582 12-13
14 -1.313 -30.528 1974.85458 -112.6	3.0 -84.2 36.3		9 48.4 9.8 8.4 184.04927 13-14 3 43.1 21.1 19.9 193.10787 14-15
15 -0.877 -24.166 2024.70493 -100.4 16 -0.331 -17.144 2121.50998 -96.7	3.5 -83.9 21.0 3.8 -83.1 13.3		38.0 33.3 32.0 213.33430 15-16
17 -5.953 -16.510 2129.01144 -78.8	7.0 -82.9 25.9	98.80329 0.847 -84.1 71.2	37.2 34.1 33.9 171.37413 16-17
18 -12.768 -15.210 2183.51910 -60.8	11.4 -83.4 37.6		36.9 39.0 35.1 210.03643 17-18 37.2 47.9 35.5 242.09422 18-19
19 -20.453 -12.914 2302.18643 -47.3 20 -30.174 -8.267 2531.96451 -37.9	17.8 -85.5 46.6 29.0 -91.8 53.5		38.2 61.1 37.1 320.68505 19-20
21 -29.185 -19.011 2356.79056 -26.5	20.1 -83.3 63.4	109.51892 0.638 -101.0 71.0	3 43.3 51.4 18.2 284.21540 20-21
22 -28.866 -27./15 2274.80548 -12.4	11.1 -77.5 74.7	106.13705 0.707 -100.1 64.	3 48.6 46.1 2.8 230.67046 21-22 7 53.8 44.7 -11.2 211.75806 22-23
23 -28.961 -35.702 2255.56711 3.4 24 -29.424 -43.674 2291.87457 18.7	1.9 -72.2 87.1	104.69554 0.727 -99.3 57.	5 59.0 47.2 -25.0 211.21572 23-24
25 -20.821 -42.933 2128.93930 25.2	-3.7 -68.9 10.5	98.79995 0.847 -94.4 48.	7 58.6 34.1 -17.9 261.38000 24-25
26 -13.683 -42.629 2037.12082 37.8	-1.5 -73.2 12.0	95.02015 0.936 -90.1 46.	7 58.4 23.1 -14.5 216.39174 25-26 5 58.5 15.3 -13.5 194.38210 26-27
27 -7.266 -42.559 1994.27782 65.5 28 -1.966 -42.635 1989.53621 105.2	0.2 -78.7 16.0	92.65143 0.986 -85.9 45.9	58.9 14.1 -14.0 160.52906 27-28
28 -1.900 -42.033 1307033021 10302			
JULY 31,1964 13 HR 10 MIN 9 SEC 359	TAB NO	16 ATLAS PHOTO NO	16 POD SEQUENCE NO 38
30E4 31,1964 13 HK 10 HIM 7 3EC 337			
TRAJECTORY DATA	SEC TO IMPACT 939.440	ALT LAT LUN 1951.67883 -3.580 -35.204	R V PTH AZ 3687.134 1.962 -74.335 116.958
PHUTO DATA	AZN AZSUN AZA	A* B/A AZPHAZ INC.	D PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C 1 -12.050 -17.635 2128.68430 -9.7	AZN AZSUN AZA 7.0 -76.6 74.1		5 36.3 35.0 31.3 0. 0-1
2 -13.101 -29.645 2010.93288 -26.9	5.2 -79.1 63.1		0 47.6 20.5 9.5 356.42660 1- 2
3 -6.990 -36.320 1958.09102 20.4	2.1 -80.4 75.2		6 53.2 6.8 -1.9 271.75288 2- 3 7 47.9 11.1 9.6 185.56659 3- 4
4 -6.681 -30.158 1968.99966 -55.0 5 -6.351 -23.690 2019.77054 -72.8	3.9 -81.6 51.9 5.5 -82.4 36.3		1 42.5 21.9 21.5 194.88626 4- 5
6 -12.901 -22.845 2065.56049 -48.9	8.4 -81.2 48.6	97.69975 0.885 -90.2 65.	5 42.2 28.2 21.9 200.00218 5- 6
7 -20.203 -21.478 2164.77490 -34.9	12.5 -81.1 57.2		9 42.5 38.3 20.9 224.70408 6- 7 1 47.9 32.3 7.5 210.88386 7- 8
8 -20.225 -28.898 2101.86285 -17.1 9 -20.419 -35.871 2087.72821 4.6	7.3 -77.5 69.9 1.9 -73.6 84.7		8 53.3 30.8 -5.2 198.14592 8- 9
10 -13.358 -36.097 1999.11929 7.5	2.0 -76.5 81.5	94.55839 0.954 -90.1 52.	9 53.1 18.3 -2.5 213.97301 9-10
11 -6.990 -36.320 1958.09102 20.4	2.1 -80.4 75.2		
			6 53.2 6.8 -1.9 192.98919 10-11
12 -2.019 -42.529 1979.39017 105.0	1.4 -84.0 23.1	90.73700 0.997 -82.2 45.	0 58.9 14.0 -13.9 240.43904 11-12
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.26280 147.5 14 -1.367 -30.483 1965.17313 -112.2		90.73700 0.997 -82.2 45. 89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.26280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1	90.73700 0.997 -82.2 45. 89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57. 93.75311 0.952 -80.0 63.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.26280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 -17.165 2111.08011 -96.6	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5	90.73700 0.997 -82.2 45. 89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 51. 93.75311 0.952 -80.0 63. 96.85466 0.864 -79.0 70.	0 58.9 14.0 -13.9 240.43904 11-12 0 58.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 3 38.0 33.3 32.0 212.25164 15-16
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.6280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 -17.165 2111.08011 -96.6 17 -5.985 -16.532 2118.70313 -78.8 18 -12.768 -15.238 2172.99942 -60.7	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5 7.0 -82.9 26.0 11.4 -83.4 37.6	90.73700 0.997 -82.2 45. 89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57. 93.75311 0.952 -80.0 63. 96.85466 0.864 -79.0 70. 98.32470 0.847 -84.1 71. 101.34586 0.791 -90.2 72.	0 58.0 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.0880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 3 38.0 33.3 32.0 212.25164 15-16 1 37.2 34.0 33.9 170.54432 16-17 9 36.9 39.0 35.1 209.03427 17-18
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.26280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 -17.165 2111.08011 -96.6 17 -5.985 -16.532 2118.70313 -78.8 18 -12.768 -15.238 2172.99942 -60.7 19 -20.414 -12.959 2290.92310 -47.3	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5 7.0 -82.9 26.0 11.4 -83.4 37.6 17.7 -85.5 46.6	90.73700 0.997 -82.2 45. 89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57. 93.75311 0.952 -80.0 63. 94.85466 0.864 -79.0 70. 98.32470 0.847 -84.1 71. 101.34586 0.791 -90.2 72. 106.41808 0.686 -99.2 75.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 3 38.0 33.3 32.0 212.25164 15-16 1 37.2 34.0 33.9 170.54432 16-17 9 36.9 39.0 35.1 209.03427 17-18 8 37.2 47.9 35.5 240.83457 18-19
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.52800 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 -17.165 2111.08011 -96.6 17 -5.985 -16.532 2118.70313 -78.8 18 -12.768 -15.238 2172.99942 -60.7 19 -20.414 -12.959 2290.92310 -47.3 20 -30.074 -8.366 2518.66608 -37.9	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5 7.0 -82.9 26.0 11.4 -83.4 37.6 17.7 -85.5 46.6 28.9 -91.7 53.5	90.73700 0.997 -82.2 45. 89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57. 93.75311 0.952 -80.0 63. 96.85466 0.864 -79.0 70. 98.32470 0.847 -84.1 71. 101.34586 0.791 -90.2 72. 106.41808 0.686 -96.2 75. 115.51641 0.502 -102.1 81.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08806 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 3 38.0 33.3 32.0 212.25164 15-16 1 37.2 34.0 33.9 170.54432 16-17 9 36.9 39.0 35.1 209.03427 17-18 8 37.2 47.9 35.5 240.83457 18-19 0 38.2 61.0 36.9 318.42783 19-20
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.26280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 -17.165 2111.08011 -96.6 17 -5.985 -16.532 2118.70313 -78.8 18 -12.768 -15.238 2172.99942 -60.7 19 -20.414 -12.959 2290.92310 -47.3	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5 7.0 -82.9 26.0 11.4 -83.4 37.6 17.7 -85.5 46.6	90.73700 0.997 -82.2 45. 89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57. 93.75311 0.952 -80.0 63. 96.85466 0.864 -79.0 70. 98.32470 0.847 -84.1 71. 101.34586 0.791 -90.2 72. 106.41808 0.686 -96.2 75. 115.51641 0.502 -102.1 81. 108.97108 0.639 -101.0 71. 109.60799 0.708 -100.1 64.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 3 38.0 33.3 32.0 212.25164 15-16 1 37.2 34.0 33.9 170.54432 16-17 9 36.9 39.0 35.1 209.03427 17-18 8 37.2 47.9 35.5 240.83457 18-19 0 38.2 61.0 36.9 318.42783 19-20 7 43.4 51.3 18.2 282.37690 20-21 3 48.6 46.0 2.9 229.50135 21-22
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.6280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 -17.165 2111.08011 -96.6 17 -5.965 -16.532 2118.70313 -78.8 18 -12.768 -15.238 2172.99942 -60.7 19 -20.414 -12.999 2290.92310 -47.3 20 -30.074 -8.366 2518.66608 -37.9 21 -29.097 -19.031 2345.00156 -26.6 22 -28.779 -27.683 2263.47006 -12.5 23 -28.872 -35.624 2244.12143 3.3	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5 7.0 -82.9 26.0 11.4 -83.4 37.6 17.7 -85.5 46.6 28.9 -91.7 53.5 20.0 -83.3 63.4 11.1 -77.6 74.6 1.9 -72.3 87.0	90.73700 0.997 -82.2 45.89.44495 0.983 -81.6 51.91.80047 0.999 -80.9 57.93.75311 0.952 -80.0 63.96.85466 0.864 -79.0 70.98.32470 0.847 -84.1 71.101.34586 0.791 -90.2 72.106.41808 0.866 -90.2 75.115.51641 0.502 -102.1 81.108.97108 0.639 -101.0 71.105.60799 0.708 -100.1 64.104.16399 0.728 -99.3 57.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 3 38.0 33.3 32.0 212.25164 15-16 1 37.2 34.0 33.9 170.54432 16-17 9 36.9 39.0 35.1 209.03427 17-18 8 37.2 47.9 35.5 240.83457 18-19 0 38.2 61.0 36.9 318.42783 19-20 7 43.4 51.3 18.2 282.37690 20-21 3 48.6 46.0 2.9 229.50135 21-22 8 53.9 44.6 -11.1 210.71085 22-23
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.26280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 .171.65 2111.08011 -96.6 17 -5.985 -16.532 2118.70313 -78.8 18 -12.768 -15.238 2172.99942 -60.7 19 -20.414 -12.959 2290.92310 -47.3 20 -30.074 -8.366 2518.66608 -37.9 21 -29.097 -19.031 2345.00156 -26.6 22 -28.779 -27.683 2263.47006 -12.5 23 -28.872 -35.624 2244.12143 3.3 24 -29.327 -43.545 2279.78766 18.6	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5 7.0 -82.9 26.0 11.4 -83.4 37.6 17.7 -85.5 46.6 28.9 -91.7 53.5 20.0 -83.3 63.4 11.1 -77.6 74.6 1.9 -72.3 87.0	90.73700 0.997 -82.2 45.89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57. 93.75311 0.952 -80.0 63. 94.85466 0.864 -79.0 70. 98.32470 0.847 -84.1 71. 101.34586 0.791 -90.2 72. 106.41808 0.686 -96.2 75. 115.51641 0.502 -102.1 81. 108.97108 0.639 -101.0 71. 105.60799 0.708 -100.1 64. 104.16399 0.728 -99.3 57. 104.32432 0.705 -98.6 51.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 3 38.0 33.3 32.0 212.25164 15-16 1 37.2 34.0 33.9 170.54432 16-17 9 36.9 39.0 35.1 209.03427 17-18 8 37.2 47.9 35.5 240.83457 18-19 0 38.2 61.0 36.9 318.42783 19-20 7 43.4 51.3 18.2 282.37690 20-21 3 48.6 46.0 2.9 229.50135 21-22 8 53.9 44.6 -11.1 210.71085 22-23 7 59.0 47.1 -24.8 210.04386 23-24
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -56.522 1954.5280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 -17.165 2111.08011 -96.6 17 -5.985 -16.532 2118.70313 -78.8 18 -12.768 -15.238 2172.99942 -60.7 19 -20.414 -12.495 2290.92310 -47.3 20 -30.074 -8.366 2518.66608 -37.3 21 -29.097 -19.031 2345.00156 -26.6 22 -28.779 -27.683 2263.47006 -12.5 23 -28.872 -35.624 2244.12143 3.3 24 -29.327 -43.545 2279.78766 18.6 25 -20.777 -42.202 2118.14365 25.1	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5 7.0 -82.9 26.0 11.4 -83.4 37.6 17.7 -85.5 46.6 28.9 -91.7 53.5 20.0 -83.3 63.4 11.1 -77.6 74.6 1.9 -72.3 87.0	90.73700 0.997 -82.2 45.89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57. 93.75311 0.952 -80.0 63. 96.85466 0.864 -79.0 70. 98.32470 0.847 -84.1 71. 101.34586 0.791 -90.2 72. 106.41808 0.686 -96.2 75. 115.51641 0.502 -102.1 81. 108.97108 0.639 -101.0 71. 105.60799 0.708 -100.1 64. 104.16399 0.728 -99.3 57. 104.32432 0.705 -98.6 51. 98.29881 0.848 -94.4 48.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 3 38.0 33.3 32.0 212.25164 15-16 1 37.2 34.0 33.9 170.54432 16-17 9 36.9 39.0 35.1 209.03427 17-18 8 37.2 47.9 35.5 240.83457 18-19 0 38.2 61.0 36.9 318.42783 19-20 7 43.4 51.3 18.2 282.37690 20-21 3 48.6 48.0 2.9 229.50135 21-22 8 53.9 44.6 -11.1 210.71085 22-23 7 59.0 47.1 -24.8 210.04386 23-24 7 58.6 34.0 -17.8 259.74512 24-25 8 58.4 23.0 -14.4 215.25130 25-26
12 -2.019 -42.529 1979.39017 105.0 13 -1.724 -36.522 1954.5280 147.5 14 -1.367 -30.483 1965.17313 -112.2 15 -0.934 -24.152 2014.82973 -100.2 16 -0.391 -17.165 2111.08011 -96.6 17 -5.985 -16.532 2118.70313 -78.8 18 -12.768 -15.238 2172.99942 -60.7 19 -20.414 -12.495 2290.92310 -47.3 20 -30.074 -8.366 2518.66608 -37.3 21 -29.097 -19.031 2345.00156 -26.6 22 -28.779 -27.683 2263.47006 -12.5 23 -28.872 -35.624 2244.12143 3.3 24 -29.327 -43.545 2279.78766 18.6 25 -20.777 -42.260 2118.14365 25.1	1.4 -84.0 23.1 2.3 -84.2 64.9 3.0 -84.2 36.5 3.5 -83.8 21.1 3.9 -83.1 13.5 7.0 -82.9 26.0 11.4 -83.4 37.6 17.7 -85.5 46.6 28.9 -91.7 53.5 20.0 -83.3 63.4 11.1 -77.6 74.6 1.9 -72.3 87.0 -7.6 -66.6 9.8 -3.7 -69.0 10.3	90.73700 0.997 -82.2 45. 89.44495 0.983 -81.6 51. 91.80047 0.999 -80.9 57. 93.75311 0.952 -80.0 63. 96.85466 0.864 -79.0 70. 98.32470 0.847 -84.1 71. 101.34586 0.791 -90.2 72. 106.41808 0.866 -90.2 75. 115.51641 0.502 -102.1 81. 108.97108 0.639 -101.0 71. 105.60799 0.708 -100.1 64. 104.16399 0.728 -99.3 57. 104.32432 0.705 -98.6 51. 98.29881 0.848 -94.4 48. 94.54341 0.937 -90.1 46.	0 58.9 14.0 -13.9 240.43904 11-12 0 53.7 4.3 -2.8 182.08880 12-13 0 48.4 9.8 8.4 183.14799 13-14 3 43.2 21.1 19.9 192.17558 14-15 13 7.2 34.0 33.9 170.54432 16-17 9 36.9 39.0 35.1 299.03427 17-18 8 37.2 47.9 35.5 240.83457 18-19 0 38.2 61.0 36.9 318.42783 19-20 7 43.4 51.3 18.2 282.37690 20-21 3 48.6 46.0 2.9 229.50135 21-22 8 53.9 44.6 -11.1 210.71085 22-23 7 59.0 47.1 -24.8 210.04386 23-24 7 58.6 34.0 -17.8 259.74512 24-25

	RA-VII CAMER	RA FA			9
JULY 31,1964 13 HR 10 MIN 14 SEC 479 MS	TAB NO	) 17 ATI	LAS PHOTO NO	17 POD	SEQUENCE NO 40
TRAJECTORY DATA	SEC TO IMPACT			R V	PTH AZ
PHOTO DATA	934.320	1942.00485 -3.	.599 -35.166	3677.460 1.96	3 -74.306 116.953
PT LAT LON RANGE AZS/C A. 1 -12.041 -17.653 2118.29355 -9.8 7	N AZSUN AZA 0 -76.6 74.0		AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -13.099 -29.600 2001.23306 -27.0 5		96.66877 0.900		38.4 35.0 31.2 47.6 20.5 9.6	0. 0-1 354.60177 1-2
3 -7.018 -36.244 1948.41776 19.8 2 4 -6.709 -30.111 1959.43637 -55.0 3		91.57191 0.998	-85.5 51.7	53.3 6.8 -1.8	
4 -6.709 -30.111 1959.43637 -55.0 3. 5 -6.381 -23.674 2010.03412 -72.7 5		92.68897 0.986		47.9 11.2 9.7	184.66641 3- 4
6 -12.900 -22.833 2055.67297 -48.9 8		97.23207 0.885		42.5 21.9 21.5 42.2 28.2 21.9	
7 -20.166 -21.473 2154.33707 -34.9 12. 8 -20.187 -28.856 2091.66623 -17.2 7.		101.45516 0.792	-95.6 67.9	42.5 38.3 20.9	223.59041 6- 7
9 -20.379 -35.794 2077.40463 4.5 1.		98.94325 0.849		47.9 32.3 7.6 53.3 30.8 -5.1	
10 -13.354 -36.021 1989.30157 7.3 2	0 -76.6 81.3	94.09400 0.954	-90.1 52.9	53.3 30.8 -5.1 53.1 18.3 -2.4	
11 -7.018 -36.244 1948.41776 19.8 2 12 -2.071 -42.421 1969.22398 104.9 1		91.57191 0.998	8 -85.5 51.7	53.3 6.8 -1.8	192.04984 10-11
13 -1.777 -36.445 1944.48187 147.8 2		90.22855 0.997 88.98749 0.983	7 -82.2 45.1 3 -81.6 51.1	58.9 13.9 -13.8 53.7 4.2 -2.7	
14 -1.422 -30.436 1955.49611 -111.8 3. 15 -0.990 -24.136 2004.97449 -100.1 3.		91.35112 0.999	-80.9 57.1	48.4 9.8 8.5	
15 -0.990 -24.136 2004.97449 -100.1 3. 16 -0.450 -17.184 2100.69250 -96.5 3.		93.29420 0.952 96.37758 0.865		43.2 21.1 20.0	191.24842 14-15
17 -6.018 -16.551 2108.43802 -78.7 7		97.84807 0.848	-79.0 70.3 -84.1 71.1	38.0 33.2 32.0 37.2 34.0 33.9	
18 -12.767 -15.263 2162.52896 -60.7 11. 19 -20.375 -13.001 2279.72498 -47.3 17.		100.85755 0.791	-90.2 72.9	36.9 39.0 35.0	208.03797 17-18
19 -20.375 -13.001 2279.72498 -47.3 17. 20 -29.975 -8.458 2505.48700 -37.9 28.		105.89812 0.687 114.91231 0.504		37.2 47.8 35.4 38.2 60.9 36.8	
21 -29.00H -19.047 2333.26401 -26.6 19.	9 -83.3 63.3	108.42564 0.640		38.2 60.9 36.8 43.4 51.3 18.2	
22 -28.693 -27.648 2252.15512 -12.5 11. 23 -28.782 -35.543 2232.67557 3.2 2		105.07985 0.709	-100.1 64.3	48.6 45.9 2.9	228.34641 21-22
24 -29.231 -43.413 2267.68390 18.5 -7.		103.63236 0.729 103.77011 0.707		53.9 44.5 -11.0 59.0 47.0 -24.6	
25 -20.733 -42.704 2107.32730 25.0 -3.	6 ~69.1 10.0	97.79667 0.849	-94.4 48.8	58.6 33.9 -17.7	
26 -13.670 -42.413 2016.65790 37.4 -1. 27 -7.317 -42.346 1974.16463 65.0 0,		94.06567 0.937	-90.1 47.0	58.4 23.0 -14.3	214.10949 25-26
28 -2.071 -42.421 1969.22398 104.9 1.		91.71721 0.987 90.22855 0.997		58.6 15.1 -13.3 58.9 13.9 -13.8	192.44162 26-27 158.90641 27-28
JULY 31,1964 13 HR 10 MIN 19 SEC 599 MS	TAB NO	18 ATL	AS PHOTO NO	18 POD	SEQUENCE NO 42
TRAJECTORY DATA	SEC TO IMPACT 929.200			R V	PTH AZ
PHOTO DATA	929.200	1932.32352 -3.	618 -35.128	3667.779 1.96	5 -74.277 116.948
PT LAT LON RANGE AZS/C AZ 1 -12.032 -17.671 2107.89349 -10.0 7.		A* B/A		PHAZ EMIS ALPHA	
1 -12.032 -17.671 2107.89349 -10.0 7. 2 -13.098 -29.539 1991.62000 -27.1 5.		96.20178 0.900 94.65038 0.937		38.4 34.9 31.2 47.6 20.5 9.6	
3 -7.046 -36.153 1938.72607 18.9 2.	1 -80.4 74.5	91.11696 0.998	-85.5 51.8	47.6 20.5 9.6 53.3 6.8 -1.8	
4 -6.738 -30.049 1949.94466 -55.0 3. 5 -6.411 -23.641 2000.47392 -72.6 5.		92.23990 0.985	-85.2 57.8	47.9 11.2 9.8	183.77439 3- 4
5 -6-411 -23.641 2000.47392 -72.6 5. 6 -12.900 -22.802 2045.98686 -48.9 8.		94.16380 0.936 96.77391 0.885		42.5 22.0 21.5 42.2 28.3 22.0	
7 -20.131 -21.448 2144.14948 -35.0 12.	5 -81.2 57.1	100.97548 0.792	-95.6 67.9	42.5 38.3 20.9	
8 -20.151 -28.795 2081.58258 -17.3 7. 9 -20.341 -35.699 2067.08209 4.3 2.		98.46617 0.849 97.29605 0.868		47.9 32.3 7.6	
10 -13.351 -35.929 1979.47371 7.0 2.	76.6 81.0	93.62913 0.954		53.3 30.7 -5.0 53.1 18.3 -2.3	
11 -7.046 -36.153 1938.72607 18.9 2. 12 -2.125 -42.298 1958.94460 104.8 1.		91.11696 0.998	~85.5 51.8	53.3 6.8 -1.8	191.11103 10-11
12 -2.125 -42.298 1958.94460 104.8 1. 13 -1.831 -36.354 1934.67615 148.4 2.		89.70485 0.996 88.52727 0.983		58.9 13.8 -13.7	
14 -1.477 -30.374 1945.88249 -111.3 3-	-84.1 36.7	90.91169 0.999		53.7 4.1 -2.6 48.4 9.9 8.6	
15 -1.047 -24.103 1995.28456 -99.9 3. 16 -0.509 -17.184 2090.60901 -96.4 3.		92.84271 C.952	-80.0 63.4	43.2 21.1 20.0	190.35806 14-15
17 -6.050 -16.551 2098.49316 -78.6 7.		95.91394 0.865 97.38603 0.847		38.0 33.2 32.0 37.2 34.0 33.9	210.19399 15-16
18 -12.768 -15.267 2152.42319 -60.7 11.	-83.4 37.7	100.38617 0.791	-90.2 72.9	36.9 39.0 35.0	
19 -20.339 -13.017 2268.98825 -47.4 17.		105.39967 0.687 114.34184 0.506	-96.2 75.8	37.2 47.8 35.4	238.42215 18-19
	-01 5 52 *		-1112 1 80 0		314.23676 19-20
20 -29.883 +8.516 2493.03699 -38.0 28. 21 -28.924 -19.038 2321.88602 -26.7 19.				38.2 60.8 36.7	
20 -29.883   -8.516 2493.03699   -38.0    28. 21 -28.924   -19.038 2321.88602   -26.7    19. 22 -28.609   -27.592 2241.00632   -12.6    11.	-83.3 63.2 1 -77.7 74.4	107.89690 0.641 104.55926 0.709	-101.0 71.7 -100.1 64.3	43.4 51.2 18.2 48.6 45.8 3.0	279.06485 20-21 227.28327 21-22
20 -29.883 -8.516 2493.03699 -38.0 28. 21 -28.924 -19.038 2321.88602 -26.7 19. 22 -28.609 -27.592 2241.00632 -12.6 11. 23 -28.695 -35.443 2221.25119 3.1 2.	9 -83.3 63.2 1 -77.7 74.4 1 -72.5 86.6	107.89690 0.641 104.55926 0.709 103.10135 9.731	-101.0 71.7 -100.1 64.3 -99.3 57.9	43.4 51.2 18.2 48.6 45.8 3.0 53.9 44.4 -10.9	279.06485 20-21 227.28327 21-22 208.64515 22-23
20 -29.883 -8.516 2493.03699 -38.0 28. 21 -28.924 -19.038 2321.88602 -26.7 19. 22 -28.609 -27.592 2241.00632 -12.6 11. 23 -28.695 -35.443 2221.25119 3.1 2. 24 -29.134 -43.261 2255.46170 18.4 -7. 25 -20.690 -42.570 2096.40152 24.8 -3.	9 -83.3 63.2 1 -77.7 74.4 1 -72.5 86.6 3 -66.8 9.4	107.89690 0.641 104.55926 0.709 103.10135 9.731 103.20988 0.709	-101.0 71.7 -100.1 64.3 -99.3 57.9 -98.6 51.8	43.4 51.2 18.2 48.6 45.8 3.0 53.9 44.4 -10.9 59.0 46.9 -24.4	279.06485 20-21 227.28327 21-22 208.64515 22-23 207.66862 23-24
20 -29.883 -8.516 2493.03699 -38.0 28. 21 -28.924 -19.038 231.88602 -26.7 19. 22 -28.609 -27.592 2241.00632 -12.6 11. 23 -28.695 -35.443 2221.25119 3.1 2. 24 -29.134 -43.261 2255.46170 18.4 -7. 25 -20.690 -42.570 2096.40152 24.8 -3. 26 -13.664 -42.286 2006.30925 37.2 -1.	9 -83.3 63.2 1 -77.7 74.4 1 -72.5 86.6 3 -66.8 9.4 5 -69.2 9.7 4 -73.4 11.1	107.89690 0.641 104.55926 0.709 103.10135 9.731 103.20988 0.709 97.28923 0.850 93.58294 0.938	-101.0 71.7 -100.1 64.3 -99.3 57.9 -98.6 51.8 -94.4 48.9 -90.1 47.1	43.4 51.2 18.2 48.6 45.8 3.0 53.9 44.4 -10.9 59.0 46.9 -24.4 58.6 33.8 -17.5 58.4 22.9 -14.2	279.06485 20-21 227.28327 21-22 208.64515 22-23 207.66862 23-24 256.46507 24-25 212.95730 25-26
20 -29.883 -8.516 2493.03699 -38.0 28. 21 -28.924 -19.038 2321.88602 -26.7 19. 22 -28.609 -27.592 2241.00632 -12.6 11. 23 -28.695 -35.443 2221.25119 3.1 2. 24 -29.134 -43.261 2255.46170 18.4 -7. 25 -20.690 -42.570 2096.40152 24.8 -3.	7 -83.3 63.2 1 -77.7 74.4 1 -72.5 86.6 3 -66.8 9.4 5 -69.2 9.7 4 -73.4 11.1 2 -78.7 14.5	107-89690 0.641 104-55926 0.709 103-10135 9.731 103-20988 0.709 97-28923 0.850	-101.0 71.7 -100.1 64.3 -99.3 57.9 -98.6 51.8 -94.4 48.9 -90.1 47.1 -85.9 45.9	43.4 51.2 18.2 48.6 45.8 3.0 53.9 44.4 -10.9 59.0 46.9 -24.4 58.6 33.8 -17.5 58.4 22.9 -14.2 58.5 15.0 -13.1	279.06485 20-21 227.28327 21-22 208.64515 22-23 207.66862 23-24 256.46507 24-25 212.95730 25-26

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JULY 31,1964 13 HR 10 MIN 24 5	SEC 719 MS	TAB NO	19	ATLAS PHOTO NO	19 POD SE	QUENCE NO 44
TRAJECTORY DATA		SEC TO IMPACT 924.080	ALT 1922.63486	LAT LON -3.638 -35.090	R V 3658.090 1.967 -	PTH AZ -74.248 116.943
PHOTO DATA					DUA 2 5476 41 544	SCALE PT-PT
PT LAT LON RANGE 1 -12.023 -17.689 2097.48425	AZS/C AZN -10.2 7.0	AZSUN AZA -76.7 73.6	A+ 95.73440		PHAZ EMIS ALPHA 38.4 34.9 31.2	0. 0-1
	-27.3 5.3	-79.1 62.7	94.19312		47.6 20.6 9.7	349.98827 1- 2
3 -7.074 -36.062 1929.02974	18.1 2.1	-80.4 74.2	90.66205			267.95013 2→ 3 182.88195 3→ 4
4 -6.768 -29.988 1940.44563	-55.0 3.9 -72.6 5.6	-81.6 51.7 -82.3 36.4	91.79047 93.71308			182.88195 3- 4 192.18740 4- 5
5 -6.442 -23.609 1990.90433 6 -12.900 -22.771 2036.29002	-49.0 8.4	-81.2 48.5	96.31523		42.2 28.3 22.0	197.20971 5- 6
7 -20.096 -21.423 2133.95038	-35.0 12.5	-81.2 57.0	100.49526	U.792 -95.7 67.9	42.5 38.3 20.9	221.44376 6- 7 207.99034 7- 8
8 -20.115 -28.736 2071.49014	-17.5 7.3	-77.6 69.5 -73.8 84.0	97.98867 96.80966			207.99034 7- 8 195.30077 8- 9
9 -20.302 -35.604 2056.75421	4.1 2.0 6.7 2.0	-76.7 80.7	93.16400		53.1 18.3 -2.3	210.72766 9-10
11 -7.074 -36.062 1929.02974	18.1 2.1	-80.4 74.2	90.66205	0.998 -85.5 51.9	53.2 6.8 -1.7	190.17160 10-11
12 -2.179 -42.174 1948.66603	104.6 1.4	-83.8 20.0	89.18237			236.66780 11-12 179.17553 12-13
13 -1.885 -36.262 1924.86726 14 -1.532 -30.312 1936.26302	149.1 2.3 -110.8 3.0	-84.1 63.7 -84.1 36.8	88.06735 90.47211		48 4 4 9 A-6	180.46070 13-14
14 -1.532 -30.312 1936.26302 · 15 -1.103 -24.070 1985.58679	-99.7 3.6	-83.7 21.6	92.39085	0.952 -80.0 63.4	43.2 21.2 20.0	189.46666 14-15
16 -0.567 -17.183 2080.51633	-96.3 4.0	-83.0 13.9	95.44988	0.865 -79.0 70.3		209.20500 15-16 168.11711 16-17
17 -6.081 -16.550 2088.53717	-78.6 7.1	-82.9 26.3 -83.4 37.7	96.92346			206.12925 17-18
18 -12.769 -15.270 2142.30460 19 -20.303 -13.033 2258.23798	-60.7 11.4 -47.4 17.6	-85.5 46.5	104.90059			237.25511 18-19
19 -20.303 -13.033 2258.23798 20 -29.791 -8.573 2480.57886	-38.0 28.5	-91.5 53.4		0.507 -102.1 80.8	38.2 60.7 36.7	312.26086 19-20
21 -28.840 -19.029 2310.49829	-26.7 19.8	-83.3 63.2				277.54296 20-21 226.21845 21-22
22 -28.525 -27.536 2229.85062	-12.7 11.1	-77.7 74.3 -72.5 86.5	104.03836			207.62344 22-23
23 -28.607 -35.342 2209.82498 24 -29.038 -43.108 2243.24716	3.0 2.1 18.2 -7.2	-66.9 9.2	102.57025	0.710 -98.6 51.9	59.0 46.7 -24.2	206.47141 23-24
25 -20.647 -42.436 2085.47589	24.6 -3.5	-69.4 9.5	96.78179	0.850 -94.4 49.0	58.6 33.7 -17.4	254.82394 24-25
26 -13.659 -42.160 1995.95935	36.9 -1.3	-73.5 10.7	93.10015			211.80559 25-26 190.48001 26-27
27 -7.371 -42.100 1953.81316	64.4 0.2		90.77208			157.26501 27-28
28 -2.179 -42.174 1948.66603	104.6 1.4	-83.8 20.0	89.18237	0.990 -02.2 43	30.7 13.1 -13.0	19:020301 2: 25
		TAB N	20	ATLAS PHOTO NO	20 POD SI	EQUENCE NO 46
JULY 31,1964 13 HR 10 MIN 29	SEC 839 MS	TAB N	20	ATLAS PHOTO NO	20 POD SI	EQUENCE NO 46
	SEC 839 MS	TAB NO		ATLAS PHOTO NO	R V	PTH AZ
TRAJECTURY DATA	SEC 839 MS			LAT LON	R V	PTH AZ -74.218 116.938
	SEC 839 MS  AZS/C AZN	SEC TO IMPAC 918.960	T ALT 1912.9385	LAT LON 1 -3.657 -35.052 B/A AZPHAZ INCI	R V 3648-394 1-969 D PHAZ EMIS ALPHA	PTH AZ -74.218 116.938 SCALE PT-PT
TRAJECTURY DATA  PHUTO DATA PT LAT LON RANGE 1 -12.014 -17.707 2087-06531	AZS/C AZN -10-3 7-0	SEC TO IMPAC 918.960 AZSUN AZA -76.8 73.4	ALT 1912.9385 A* 95.26657	LAT LON 1 -3.657 -35.052 8/A AZPHAZ INCI 0.899 -93.1 70.4	R V 3648-394 1-969 D PHAZ EMIS ALPHA 5 38-4 34-9 31-1	PTH AZ -74.218 116.938 SCALE PT-PT 0. 0-1
TRAJECTURY DATA  PHUTO DATA PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589	AZS/C AZN -10.3 7.0 -27.4 5.3	SEC TO IMPAC 918.960 AZSUN AZA -76.8 73.4 -79.1 62.6	F ALT 1912.9385 A* 95.26657 93.73534	LAT LUN 1 -3.657 -35.052 B/A AZPHAZ INCI 0.899 -93.1 70.0 0.936 -90.2 59.	R V 3648.394 1.969 D PHAZ EMIS ALPHA 38.4 34.9 31.1 2 47.6 20.6 9.8	PTH AZ -74-218 116-938 SCALE PT-PT 0- 0- 1 347-69746 1- 2
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087-06531 2 -13.095 -29.417 1972.36549 3 -7.102 -35.971 1919.32877	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1	SEC TO IMPAC 918.960 AZSUN AZA -76.8 73.4 -79.1 62.6 -80.4 73.8	ALT 1912.9385 A* 95.26657 93.73534 90.20724	LAT LUN 1 -3.657 -35.052 B/A AZPHAZ INCI 0.899 -93.1 70.0 0.936 -90.2 59.1	R V 3648.394 1.969 D PHAZ EMIS ALPHA 438.4 34.9 31.1 47.6 20.6 53.2 6.8 -1.6	PTH AZ -74.218 116.938 SCALE PT-PT 0. 0-1 347.69746 1-2
TRAJECTURY DATA  PHUTO DATA PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589	AZS/C AZN -10.3 7.0 -27.4 5.3	SEC TO IMPAC 918.960 AZSUN AZA -76.8 73.4 -79.1 62.6 -80.4 73.8 -81.5 51.6	T ALT 1912-9385 A* 95.26657 93.73534 90.20724 91.34059 93.26165	LAT LON 1 -3.657 -35.052 8/A AZPHAZ INCI 0.899 -93.1 70.4 0.936 -90.2 59.1 0.998 -65.5 52.0 0.985 -85.2 57.0 0.935 -84.7 64.7	R V 3648.394 1.969 D PHAZ EMIS ALPHA 436.4 34.9 31.1 2 47.6 20.6 9.8 D 53.2 6.8 -1.6 9 54.2 42.5 22.1 21.6	PTH AZ -74.218 116.938 SCALE PT-PT 0. 0. 1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36569 3 -7.102 -35.971 1919.32877 4 -6.797 -29.926 1930.93669 5 -6.472 -23.576 1981.31972 6 -12.900 -22.741 2026.57642	AZS/C AZN -10-3 7-0 -27-4 5-3 17-2 2-1 -55-1 3-9 -72-5 5-6 -49-0 8-4	SEC TO IMPAC 918.960 AZSUN AZA -76.8 73.4 -79.1 62.6 -80.4 73.8 -81.5 51.6 -82.3 36.4 -81.2 48.4	T ALT 1912-9385 A* 95-26657 93-73534 90-20724 91-34059 93-26169 95-85577	LAT LON 1 -3.657 -35.052 8/A AZPHAZ INCI 0.899 -93.1 70 0.936 -90.2 59 0.998 -85.5 52 0.985 -85.2 57 0.935 -84.7 64 0.884 -90.2 65.	R V 3648.394 1.969 D PHAZ EMIS ALPHA 4 38.4 34.9 31.1 2 47.6 20.6 9.8 D 47.9 11.4 9.9 2 42.5 22.1 21.6 6 42.2 28.3 22.0	PTH AZ -74.218 116.938 SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36549 3 -7.102 -35.971 1919.32877 4 -6.797 -29.926 1930.93669 5 -6.4/2 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.998 2123.77285	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5	SEC TO IMPAC 918-960 AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 488-4 -81-2 56-9	T ALT 1912-9385 A* 95.26657 93.73534 90.20724 91.34059 93.26165 95.85577 100.01416	LAT LON 1 -3.657 -35.052 B/A AZPHAZ INCI 0.899 -93.1 70.0.936 -90.2 59.1 0.985 -85.2 57.0.935 -84.7 64.0.884 -90.2 65.0.992 -95.7 67.	R V 3648.394 1.969  ) PHAZ EMIS ALPHA 436.4 34.9 31.1 247.6 20.6 9.8 53.2 6.8 -1.6 947.9 11.4 9.9 242.5 22.1 21.6 542.2 28.3 22.0 942.5 34.3 21.0	PTH AZ -74.218 116.938 SCALE PT-PT 0. 0. 1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -12.014 -17.707 2087-05531  2 -13.095 -29.417 1972.36589  3 -7.102 -35.971 1919.32877  4 -6.797 -29.926 1930.93669  5 -6.472 -23.576 1981.31972  6 -12.900 -22.741 2026.57642  7 -20.061 -21.398 2123.7328  8 -20.079 -28.676 2061.38583	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5	SEC TO IMPAC 918-960 AZSUN AZA -76.8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4	T ALT 1912-9385 A* 95-26657 93-73534 90-20724 91-34059 93-26169 95-85577	LAT LUN 1 -3.657 -35.052 8/A AZPHAZ INCI 0.899 -93.1 70 0.936 -90.2 59 0.998 -85.5 52 0.985 -85.2 57 0.935 -84.7 64 0.884 -90.2 65 0.192 -95.7 67 0.849 -95.2 61	R V 3648.394 1.969 D PHAZ EMIS ALPHA 4 38.4 34.9 31.1 2 47.6 20.6 9.8 5 53.2 6.8 -1.6 9 47.9 11.4 9.9 2 42.5 22.1 21.6 5 42.2 28.3 22.0 9 42.5 38.3 21.0 2 47.9 32.3 7.8 1 53.3 30.6 -4.8	PTH AZ -74.218 116.938 SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 190.28811 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36549 3 -7.102 -35.971 1919.32877 4 -6.797 -29.926 1930.93669 5 -6.4/2 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.998 2123.77285	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5	SEC TO IMPAC 918-960 AZSUN AZA -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 48-4 -81-2 56-9 -77-6 69-4 -73-9 83-8	ALT 1912-9385 A• 95-26657 93-73534 90-20724 91-34059 93-26165 93-26165 97-51061 96-32303 92-69861	LAT LUN 1 -3.657 -35.052 8/A AZPHAZ INCI 0.899 -93.1 70.1 0.936 -90.2 59.1 0.998 -85.5 52.1 0.995 -85.5 52.1 0.995 -85.2 57.1 0.495 -85.2 65.1 0.894 -90.2 65.1 0.192 -95.7 67.1 0.868 -94.8 55.1 0.954 -90.1 53.1	R V 3648.394 1.969 D PHAZ EMIS ALPHA 4.36.4 34.9 31.1 2.47.6 20.6 9.8 0.53.2 6.8 -1.6 0.47.9 11.4 9.9 2.42.5 22.1 21.6 5.42.2 28.3 22.0 9.42.5 38.3 21.0 2.47.9 32.3 7.8 1.53.3 30.6 -4.8 2.53.1 18.3 -2.2	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 3-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.472 -23.576 1981.31972 6 -12.900 -22.774 2026.57642 7 -20.061 -21.398 2123.73285 8 -20.079 -28.676 2061.38583 9 -20.203 -35.510 2046.42116 10 -13.345 -35.745 1959.80145 11 -7.102 -35.771 1919.32877	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -17.6 7.3 3.9 2.1 6.4 2.1	SEC TO IMPAC 918-960 AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 48-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 80-4 -80-4 73-8	ALT 1912.9385 A* 95.26657 93.73534 90.20724 91.34059 93.26165 95.8557 100.01416 97.51061 96.32303 92.69861 90.20724	LAT LON 1 -3.657 -35.052  8/A AZPHAZ INC 0.899 -93.1 70. 0.936 -90.2 59. 0.998 -65.5 52.1 0.985 -85.2 57. 0.935 -84.7 64. 0.884 -90.2 65. 0.792 -95.7 67. 0.868 -94.8 55. 0.994 -95.5 52. 0.998 -85.5 52.	R V 3648.394 1.969  D PHAZ EMIS ALPHA 4 38.4 34.9 31.1 2 47.6 20.6 9.8 0 51.2 6.8 -1.6 9 47.9 11.4 9.9 2 42.5 22.1 21.6 6 42.2 28.3 22.0 9 42.5 38.3 21.0 9 42.5 38.3 21.0 2 47.9 32.3 7.8 1 53.3 30.6 -4.8 2 53.1 18.3 -2.2 0 53.2 6.8 -1.6	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68891 3-4 191.29753 4-5 190.28811 5-6 220.36764 6-7 2207.04081 7-8 194.35588 8-9 209.64675 9-10 189.23164 10-11
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36569 3 -7.102 -35.971 1919.32877 4 -6.797 -29.926 1930.93669 5 -6.4/2 -23.576 1981.31972 6 -12.900 -22.741 2026.51642 7 -20.061 -21.998 2123.71285 8 -20.079 -28.676 2061.38583 9 -20.263 -35.510 2046.42116 10 -13.345 -35.745 1959.80145 11 -7.102 -35.771 1919.32877 12 -2.233 -42.051 1938.339091	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -37.1 2.5 -17.6 7.2 3.9 2.1 17.2 2.1 104.5 1.4	SEC TO IMPAC 918-960 AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 80-4 -80-4 73-8 -83-8 18-9	ALT 1912-9385 95-26657 93-73534 90-20724 91-34059 93-26165 95-85577 100-01416 97-51061 96-32303 92-69861 90-20724 88-66152	LAT LUN 1 -3.657 -35.052 B/A AZPHAZ INCI 0.899 -93.1 70.4 0.989 -90.2 59.4 0.998 -85.5 52.1 0.985 -85.5 52.1 0.985 -85.2 57.4 0.884 -90.2 65.4 0.884 -90.2 65.4 0.888 -94.8 55.4 0.984 -95.2 61.4 0.888 -94.8 55.4 0.995 -85.5 52.4 0.995 -85.2 52.4	R V 3648.394 1.969 D PHAZ EMIS ALPHA 4 38.4 34.9 31.1 2 47.6 20.6 9.8 0 53.2 6.8 -1.6 9 47.9 11.4 9.9 2 42.5 22.1 21.6 5 42.2 28.3 22.0 2 47.9 32.3 7.8 1 53.3 30.6 -4.8 2 53.1 18.3 -2.2 0 53.2 6.8 -1.6 5 58.9 13.5 -13.5	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 3-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10
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TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.4/2 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.998 2123.73285 8 -20.079 -28.676 2061.38583 9 -20.263 -35.510 2046.42116 10 -13.345 -35.745 1959.86145 11 -7.102 -55.771 1919.32877 12 -2.233 -42.051 1938.39091 13 -1.939 -36.172 1915.05518 14 -1.587 -30.251 1926.63512 15 -1.160 -24.038 1975.87567	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -17.6 7.2 3.9 2.1 104.5 1.4 149.7 2.3 -110.3 3.6	SEC TO IMPAC 918-960 AZSUN AZA -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 80-4 -80-4 73-8 -83-8 18-9 -84-0 36-8 -83-7 21-8	ALT 1912-9385 A* 95.26657 93.73534 90.20724 91.34059 93.26165 95.85577 100.01416 96.32303 92.69861 90.20724 88.66152 87.60779 90.03203 91.93839	LAT LUN  1 -3.657 -35.052  8/A AZPHAZ INCI 0.899 -93.1 70 0.936 -90.2 59 0.998 -85.5 52 0.935 -85.2 57. 0.935 -84.7 64 0.884 -90.2 55. 0.792 -95.7 67. 0.886 -94.8 55. 0.792 -95.7 67. 0.894 -95.2 61. 0.868 -94.8 55. 0.999 -80.1 53. 0.998 -85.5 52. 0.995 -82.2 45. 0.999 -80.9 57. 0.995 -80.0 63.	R V V 3648.394 1.969 D PHAZ EMIS ALPHA 43.4.9 31.1 247.6 20.6 9.8 0 53.2 6.8 -1.6 0 47.9 11.4 9.9 2 42.5 28.3 22.0 9 42.5 38.3 21.0 247.9 32.3 7.8 153.3 30.6 -4.8 253.1 8.3 -2.2 0 53.2 6.8 -1.6 568.9 13.5 -13.4 453.7 3.9 -2.4 48.4 9.9 8.7 4 43.2 21.2 20.1	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.226411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 169.23164 10-11 235.40793 11-12 178.20074 12-13 179.56674 13-14
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.472 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.998 2123.77285 8 -20.079 -28.676 2061.38583 9 -20.203 -35.510 2046.42116 10 -13.365 -35.745 1959.8C145 11 -7.102 -55.771 1919.32877 12 -2.233 -42.051 1938.39091 13 -1.939 -36.172 1915.05518 14 -1.587 -30.251 1926.65517 15 -1.160 -24.038 1975.87567 16 -0.626 -17.184 2070.40479	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -17.6 7.3 3.9 2.1 6.4 2.1 17.2 2.1 104.5 1.4 149.7 2.3 -99.5 3.6 -99.5 4.4	SEC TO IMPAC 918-960 AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 80-4 -83-8 18-9 -84-0 63-3 -84-0 63-3 -84-0 63-3 -83-8 18-9 -83-8 18-9 -83-8 18-9	ALT 1912-9385 95-26657 93-73534 90-20724 91-34059 93-26165 95-85577 100-01416 96-32303 92-99861 90-20724 88-66152 87-60779 90-03203 91-93839 94-98848	B/A AZPHAZ INC. 0.899 -93.1 70.0 0.936 -90.2 59. 0.998 -85.5 52. 0.985 -85.2 57. 0.894 -90.2 65. 0.894 -90.2 65. 0.792 -95.7 67. 0.849 -95.2 61. 0.868 -94.8 55. 0.998 -85.5 52. 0.998 -85.5 52. 0.998 -85.5 52. 0.998 -85.0 52. 0.999 -80.9 57. 0.999 -80.9 57. 0.999 -80.9 57. 0.9951 -80.0 63. 0.865 -79.0 70.0	R V V 3648-394 1-969 D PHAZ EMIS ALPHA H 38-4 34-9 31-1 2 47-6 20-6 9-8 0 53-2 6-8 1-6 9 47-9 11-4 9-9 2 42-5 22-1 21-6 5 42-2 28-3 22-0 2 47-9 32-3 7-8 1 53-3 30-6 -4-8 2 53-1 18-3 -2-2 0 53-2 6-8 -1-6 5 58-9 13-5 -13-4 4 53-7 3-9 -2-4 3 48-4 9-9 8-7 4 43-2 21-2 20-1 3 38-0 33-2 32-0	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 189.23164 10-11 235.40793 11-12 178.20074 12-13 178.20074 12-13 178.20074 13-14 188.57317 14-15 208.21213 15-16
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.926 1930.9369 5 -6.472 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.398 2123.73285 8 -20.079 -28.676 2061.38583 9 -20.263 -35.510 2046.4216 10 -13.345 -33.745 1959.86145 11 -7.102 -35.771 1919.32877 12 -2.233 -42.051 1938.39091 13 -1.939 -36.172 1915.05518 14 -1.587 -30.251 1926.63512 15 -1.106 -24.038 1975.875561 16 -0.626 -17.184 2070.40479 17 -6.113 -16.550 2078.56024	AZS/C AZN -10-3 7-0 -27-4 5-3 17-2 2-1 -55-1 3-9 -72-5 5-6 -49-0 8-4 -35-1 12-5 3-9 2-1 6-4 2-1 17-0 1-4 149-7 2-3 -110-3 3-6 -96-2 4-6 -78-5 7-1	SEC TO IMPAC 918-960 AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 80-4 -80-4 73-8 -83-8 18-9 -84-0 36-3 -84-0 36-3 -83-0 14-1 -82-8 26-2	ALT 1912-9385 95-26657 93-73534 90-20724 91-34059 93-26165 97-51061 96-32303 92-69861 90-20724 88-66152 88-66152 87-60779 90-03203 91-93839 94-98498 96-45595	LAT LUN 1 -3.657 -35.052  6/A AZPHAZ INCI 0.899 -93.1 70. 0.936 -90.2 59. 0.998 -85.5 52. 0.985 -85.2 57. 0.435 -84.7 64. 0.884 -90.2 65. 0.792 -95.7 67. 0.868 -94.8 55. 0.792 -95.7 67. 0.989 -85.5 52. 0.999 -80.9 57. 0.999 -80.9 57. 0.991 -80.0 63. 0.865 -79.0 70.	R V V 3648.394 1.969 D PHAZ EMIS ALPHA 436.4 34.9 31.1 247.6 20.6 9.8 0 53.2 6.8 -1.6 0 47.9 11.4 9.9 242.5 28.3 22.0 24.5 38.3 21.0 24.7 32.3 7.8 153.3 30.6 -4.8 253.1 83.3 -2.2 0 53.2 6.8 -1.6 558.9 13.5 -13.4 45.2 12.3 38.0 33.2 32.0 32.0	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.226411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 169.23164 10-11 235.40793 11-12 178.20074 12-13 179.56674 13-14
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.472 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.998 2123.77285 8 -20.079 -28.676 2061.38583 9 -20.203 -35.510 2046.42116 10 -13.365 -35.745 1959.8C145 11 -7.102 -55.771 1919.32877 12 -2.233 -42.051 1938.39091 13 -1.939 -36.172 1915.05518 14 -1.587 -30.251 1926.65517 15 -1.160 -24.038 1975.87567 16 -0.626 -17.184 2070.40479	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -17.6 7.3 3.9 2.1 6.4 2.1 17.2 2.1 104.5 1.4 149.7 2.3 -99.5 3.6 -99.5 4.4	SEC TO IMPAC 918-960  AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 77-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 80-4 -80-4 73-8 -83-8 18-9 -84-0 36-8 -83-7 21-8 -83-7 21-8 -83-8 26-2 -83-7 21-8 -83-8 37-1	ALT 1912-9385 95-26657 95-75534 90-20724 91-34059 93-26165 97-51061 96-32303 92-69861 90-20724 88-66152 87-60779 90-03203 91-93839 94-498598 96-45595 99-44113	LAT LUN 1 -3.657 -35.052  8/A AZPHAZ INCI 0.899 -93.1 70. 0.936 -90.2 59. 0.998 -85.5 52. 0.985 -88.2 57. 0.435 -88.7 67. 0.849 -95.7 67. 0.849 -95.2 61. 0.868 -94.8 55. 0.792 -95.7 67. 0.954 -90.1 53. 0.998 -85.5 52. 0.992 -81.6 51. 0.999 -80.9 57. 0.995 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57. 0.991 -80.9 57.	R V V 3648.394 1.969 D PHAZ EMIS ALPHA 436.4 34.9 31.1 2 47.6 20.6 9.8 0 53.2 6.8 -1.6 0 47.9 11.4 9.9 2 42.5 22.1 21.6 42.2 28.3 22.0 9 42.5 38.3 21.0 2 47.9 32.3 7.8 153.3 30.6 -4.8 2 53.1 81.3 -2.2 0 53.2 6.8 -1.6 5 58.9 13.5 -13.4 4 53.7 3.9 -2.4 3 48.4 9.9 8.7 4 43.2 21.2 20.1 3 38.0 33.2 32.0 1 37.2 34.0 33.9 9 36.9 39.0 35.0 7 37.2 47.7 35.5	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 189.23164 10-11 235.40793 11-12 178.20074 12-13 179.56674 13-14 188.57317 14-15 208.21213 15-16 167.31485 16-17 205.17159 17-18 236.08460 18-19
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.08531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.4/2 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.398 2123.73285 8 -20.079 -28.676 2061.38583 9 -20.263 -35.510 2046.42116 10 -13.345 -35.745 1959.86145 11 -7.102 -35.771 1919.32877 12 -2.233 -42.051 1938.39091 13 -1.939 -36.172 1915.05518 14 -1.587 -30.251 1926.63512 15 -1.160 -24.038 1975.87567 16 -0.626 -17.184 2070.40479 17 -6.113 -16.550 2078.56024 18 -12.769 -15.275 2132.16269 19 -20.267 -13.050 2247.46140 20 -29.699 -8.692 2446.03939	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -17.6 7.3 3.9 2.1 6.4 2.1 104.5 1.4 149.7 2.3 -110.3 3.6 -99.5 3.6 -99.5 4.6 -78.5 7.1 -47.4 17.6	SEC TO IMPAC 918-960 AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 89-8 -83-8 18-9 -84-0 36-8 -83-7 21-8 -83-0 14-1 -82-8 26-8 -83-4 37-1 -85-5 46-5	ALT 1912-9385 95-2657 93-75534 90-20724 91-34059 93-26165 95-85577 100-01416 97-51061 96-32303 92-69661 90-20724 88-66152 87-60779 90-03203 91-93819 94-49849 96-45995 99-44113 104-40029	LAT LON 1 -3.657 -35.052  B/A AZPHAZ INCI 0.899 -93.1 70. 0.936 -99.2 59. 0.998 -85.5 52. 0.995 -85.2 57. 0.935 -84.7 64. 0.884 -90.2 65. 0.792 -95.7 67. 0.849 -95.2 61. 0.868 -94.8 55. 0.594 -90.1 53. 0.998 -85.5 52. 0.995 -82.2 45. 0.999 -80.9 57. 0.982 -81.6 51. 0.999 -80.9 57. 0.981 -80.0 63. 0.865 -79.0 70. 0.847 -84.1 71. 0.888 -96.2 75. 0.509 -10.2 72. 0.888 -96.2 75.	R V 3648.394 1.969 D PHAZ EMIS ALPHA 4 38.4 34.9 31.1 2 47.6 20.6 9.8 D 53.2 6.8 -1.6 D 47.9 11.4 9.9 2 42.5 28.3 22.0 D 42.5 38.3 21.0 2 47.9 32.3 7.8 1 53.3 30.6 -4.8 2 53.1 18.3 -2.2 D 53.2 6.8 -1.6 5 58.9 13.5 -13.4 4 53.7 3.9 -2.4 3 48.4 9.9 8.7 4 43.2 21.2 20.1 3 38.0 33.2 32.0 1 37.2 34.0 33.9 7 37.2 47.7 35.4 7 36.9 39.0 35.7 7 37.2 47.7 35.4	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 189.23164 10-11 235.40193 11-12 178.20074 12-13 179.56674 13-14 188.57317 14-15 208.21213 15-16 167.31485 16-17 205.17159 17-18 236.08460 18-19 310.28362 19-20
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.926 1930.9369 5 -6.4/2 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.398 2123.73285 8 -20.079 -28.676 2061.38583 9 -20.263 -35.510 2046.42116 10 -13.345 -35.745 1959.86145 11 -7.102 -35.771 1919.32877 12 -2.233 -42.031 1938.39091 13 -1.939 -36.172 1915.05518 14 -1.567 -30.251 1926.63512 15 -1.160 -24.038 1975.87567 16 -0.626 -17.184 2070.40479 17 -6.113 -16.550 2078.55024 18 -12.769 -15.275 2132.16269 19 -20.267 -13.050 2247.46140 20 -29.699 -8.632 2468.09399 21 -28.756 -19.021 2729.90188	AZS/C AZN -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -35.1 12.5 -49.0 8.4 -35.1 12.5 17.2 2.1 17.2 2.1 104.5 1.2 104.5 1.2 -96.2 4.6 -78.5 7.1 -47.4 17.6 -38.1 128.4 -47.4 17.6	SEC TO IMPAC 918-960 AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -81-2 48-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 80-4 -73-9 83-8 -83-8 18-9 -84-0 63-3 -84-0 63-3 -84-0 63-3 -84-0 63-3 -83-0 14-1 -83-0 14-1 -83-0 14-1 -83-0 14-1 -83-0 14-1 -83-0 4-1 -83-0 4-1 -	ALT 1912-9385 95-26657 93-73534 90-20724 91-34059 93-26165 95-85577 100-01416 97-51061 96-32303 92-69861 90-20724 88-66152 87-60779 90-03203 91-93839 96-45595 99-44113 104-40029 113-19889 106-83763	LAT LUN 1 -3.657 -35.052  B/A AZPHAZ INCI 0.899 -93.1 70.0 0.936 -90.2 59. 0.998 -85.5 52.1 0.895 -85.2 57. 0.894 -90.2 65. 0.792 -95.7 67. 0.884 -90.2 65. 0.992 -95.7 67. 0.898 -85.5 52. 0.992 -81.6 51. 0.999 -85.5 52. 0.992 -81.6 51. 0.999 -85.0 52. 0.991 -80.0 63. 0.865 -79.0 70. 0.865 -79.0 70. 0.865 -79.0 70. 0.865 -79.0 70. 0.867 -84.1 71. 0.791 -90.2 72. 0.588 96.2 75. 0.599 -102.1 80. 0.662 -101.0 71.8	R V V 3648.394 1.969 D PHAZ EMIS ALPHA 4 38.4 34.9 31.1 2 47.6 20.6 9.8 0 53.2 6.8 -1.6 9 47.9 11.4 9.9 2 42.5 22.1 21.6 5 42.2 28.3 22.0 9 42.5 38.3 21.0 2 47.9 32.3 7.8 1 53.3 30.6 -4.8 2 53.1 18.3 -2.2 0 53.2 6.8 -1.6 5 58.9 13.5 -13.4 4 53.7 3.9 -2.4 4 53.7 3.9 -2.4 3 38.0 33.2 20.1 3 38.0 33.2 20.1 3 38.0 33.2 23.0 9 36.9 39.0 35.0 7 37.2 47.7 35.4 8 38.2 60.6 36.6 7 43.3 21.1 8.3	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 189.23164 10-11 235.40793 11-12 178.20074 12-13 179.56674 13-14 188.57317 14-15 208.21213 15-16 167.31485 16-17 205.17159 17-18 236.08460 18-19 310.28362 19-20 276.01461 20-21
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 - 12 . 014 - 17 . 707 2087 . 065 31 2 - 13 . 095 - 29 . 417 1 972 . 365 89 3 - 7 . 102 - 25 . 971 1 919 . 328 77 4 - 6 . 797 / 29926 1 930 . 936 69 5 - 6 . 4/2 - 23 . 576 1 981 . 319 / 2 6 - 12 . 900 - 22 . 741 2026 . 576 42 7 - 20 . 001 - 21 . 398 2123 . 7328 5 9 - 20 . 019 - 28 . 676 2061 . 385 83 9 - 20 . 203 - 35 . 510 2046 . 42116 10 - 13 . 345 - 35 . 745 1 959 . 8614 5 11 - 7 . 102 - 35 . 771 1 919 . 328 77 12 - 2 . 233 - 42 . 051 1 938 . 3909 1 13 - 1 . 939 . 36 . 172 1 915 . 055 18 14 - 1 . 587 - 30 . 251 1 926 . 6351 2 15 - 1 . 160 - 24 . 038 1 975 . 8756 7 16 - 0 . 626 - 17 . 184 . 2070 . 404 79 17 - 6 . 113 - 16 . 550 2078 . 5024 18 - 12 . 769 - 15 . 275 2132 . 1626 9 19 - 20 . 267 - 13 . 050 2247 . 4614 0 20 - 29 . 699 - 8 . 632 2468 . 0339 9 21 - 28 . 756 - 19 . 021 2299 . 05189 22 - 28 . 441 - 27 . 481 2218 . 6844	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -17.6 7.2 104.5 1.4 149.7 2.3 -110.3 3.0 149.7 2.3 -110.3 3.0 -90.2 4.0 -47.4 17.6 -38.1 28.4 -26.8 19.4 -26.8 19.4 -12.8 11.3	SEC TO IMPAC 918-960 AZSUN AZA -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -80-4 73-8 -80-4 73-8 -83-8 18-9 -83-8 18-9 -83-8 18-9 -83-8 18-9 -83-7 21-8 -83-0 14-1 -82-8 26-2 -83-4 37-1 -85-5 46-5 -91-4 53-3 -83-4 63-1 -77-8 74-1	ALT 1912-9385 95-26657 93-73534 90-20724 91-34059 93-26165 97-51061 96-32303 92-69861 90-20724 88-66157 90-3203 91-93839 94-94841 96-45999 99-44113 104-40029 113-19889 106-83763	LAT LUN 1 -3.657 -35.052  8/A AZPHAZ INCI 0.899 -93.1 70 0.936 -90.2 59 0.998 -85.5 52 0.935 -85.2 57 0.935 -84.7 64 0.884 -90.2 55 0.792 -95.7 67 0.884 99.2 61 0.886 -94.8 55 0.792 -95.7 67 0.950 -96.2 75 0.999 -86.2 2 45 0.999 -86.2 2 45 0.999 -86.9 57 0.991 -86.2 75 0.992 -81.6 51 0.999 -80.9 57 0.992 -81.6 51 0.991 -80.0 63 0.865 -79.0 70 0.847 -84.1 71 0.791 -90.2 72 0.688 -96.2 75 0.509 -102.1 80 0.662 -101.0 71 0.791 -100.1 64	R V V 3648.394 1.969 PHAZ EMIS ALPHA 436.4 34.9 31.1 247.6 20.6 9.8 0.53.2 6.8 -1.6 0.47.9 11.4 9.9 242.5 28.3 22.0 9.42.5 38.3 21.0 247.9 21.3 38.0 26.8 -1.6 58.9 13.5 -13.4 453.7 3.9 -2.4 48.6 49.9 8.7 43.2 21.2 20.1 338.0 33.2 32.0 33.2 32.0 34.3 38.0 33.2 32.0 37.3 37.2 34.0 33.9 36.0 35.0 7.3 37.2 37.2 47.7 35.4 8.3 88.2 60.6 36.0 36.0 7.4 33.3 51.1 18.3 4.8 4.8 6.0 36.5 36.7 43.3 51.1 18.3 4.8 6.4 8.5 7.3 2.2	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 189.23164 10-11 235.40793 11-12 178.20074 12-13 179.56674 13-14 188.57317 14-15 208.21213 15-16 167.31485 16-17 205.17159 17-19 310.28362 19-20 276.01461 20-21 225.14962 21-22 206.60093 22-23
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.472 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.998 2123.77285 8 -20.079 -28.676 2061.38583 9 -20.203 -35.510 2046.42116 10 -13.365 -35.745 1959.8C145 11 -7.102 -55.771 1919.32877 12 -2.233 -42.051 1938.39091 13 -1.939 -36.172 1915.05518 14 -1.587 -30.251 1926.6551 15 -1.160 -24.038 1975.87567 16 -0.626 -17.184 2070.40479 17 -6.113 -16.550 2078.5024 18 -12.769 -15.275 2132.10269 19 -20.267 -13.050 2247.46140 20 -29.699 -8.632 2468.09399 21 -28.756 -19.021 2799.90189 22 -28.441 -27.461 2218.68442 23 -28.451 -27.461 2218.68442	AZS/C AZN -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -35.1 12.5 -49.0 8.4 -35.1 12.5 17.2 2.1 17.2 2.1 104.5 1.2 104.5 1.2 -96.2 4.6 -78.5 7.1 -47.4 17.6 -38.1 128.4 -47.4 17.6	SEC TO IMPAC 918-960 AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -82-3 36-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -81-2 69-4 -73-9 83-8 -83-0 14-1 -83-0 14-1 -82-8 26-2 -83-6 14-1 -83-6 14-1 -83-7 14-1 -83-6 14-1 -83-6 14-1 -83-6 14-1 -83-6 14-1 -83-7 14-1 -83-6 14-1 -83-7 14-1 -83-6 14-1 -83-6 14-1 -83-6 14-1 -83-7 14-1 -83-7 14-1 -83-7 14-1 -83-7 14-1 -83-6 14-1 -83-7 14-1 -83-8 14	ALT 1912-9385 95.26657 93.73534 90.20724 91.34059 93.26165 97.51061 96.32303 92.69861 90.20724 88.66128 97.02124 88.66128 97.49849 96.45999 99.44113 104.46029 113.19889 106.83763	LAT LUN 1 -3.657 -35.052  8/A AZPHAZ INCI 0.899 -93.1 70 0.936 -90.2 59 0.998 -85.5 52 0.935 -85.2 57 0.935 -85.2 57 0.935 -85.2 57 0.935 -85.2 57 0.935 -85.2 57 0.849 -95.2 61 0.868 -94.8 55 0.992 -95.7 67 0.954 -90.1 53 0.998 -85.5 52 0.999 -80.9 57 0.995 -82.2 45 0.999 -80.9 57 0.992 -81.6 51 0.999 -80.9 57 0.951 -80.0 63 0.865 -79.0 70 0.847 -84.1 71 0.791 -90.2 72 0.688 -94.2 75 0.509 -102.1 80 0.642 -101.0 71 0.711 -100.1 64 0.713 -99.3 58 0.712 -98.6 52	R V V 3648.394 1.969 D PHAZ EMIS ALPHA 436.4 34.9 31.1 247.6 20.6 9.8 0 53.2 6.8 -1.6 9 47.9 11.4 9.9 2 42.5 28.3 22.0 9 42.5 38.3 21.0 2 47.9 32.3 7.8 153.3 30.6 -4.8 2 53.1 83.3 -2.2 0 53.2 6.8 -1.6 53.7 3.9 -2.4 4 53.7 3.9 -2.4 4 53.7 3.9 -2.4 4 53.7 3.9 -2.4 4 53.7 3.9 -2.4 4 53.7 3.9 -2.4 7.7 35.4 9.9 36.9 39.0 35.0 7 37.2 47.7 35.4 4 48.6 45.7 3.2 20.1 18.3 4 48.6 45.7 3.2 20.5 3.9 44.2 -10.6 0 59.0 44.2 -10.6 0 59.0 44.2 -10.6 0 59.0 44.2 -10.6 0 59.0 59.0 59.0 59.0 59.0	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 190.28411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 189.23164 10-11 235.40793 11-12 276.2074 12-13 179.56674 13-14 188.57317 14-15 208.21213 15-16 167.31485 16-17 205.17159 17-18 236.08460 18-19 310.28362 19-20 276.01461 20-21 225.14962 21-22 206.60093 22-23
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.472 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.998 2123.73285 8 -20.079 -28.676 2061.38583 9 -20.203 -35.510 2046.42116 10 -13.345 -35.745 1959.8C145 11 -7.102 -35.771 1919.3877 12 -2.233 -42.091 1938.39091 13 -1.939 -36.172 1915.09518 14 -1.587 -30.251 1926.63517 15 -1.160 -24.038 1975.8755 16 -0.626 -17.184 2070.40479 17 -6.113 -16.550 2078.56024 18 -12.769 -15.275 2132.10269 19 -20.267 -13.090 2247.46140 20 -29.699 -8.612 2468.09399 21 -28.441 -27.481 2218.68442 23 -28.519 -35.242 2128.839734 24 -28.941 -42.997 2231.04465 5 -20.660 -4.29.202 2274.55577	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 6.4 -35.1 12.5 -17.6 7.3 3.9 2.1 6.4 2.1 10.4 2.1 10.4 2.1 10.4 3.1 -90.2 4.0 -78.5 7.1 -47.4 17.6 -38.1 28.4 -26.8 19.8 -26.8 19.8 -12.8 11.2 2.8 2.1 2.8 2.1 2	SEC TO IMPAC 918-960  AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -81-2 48-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -81-2 78-8 -83-0 14-1 -82-8 26-2 -83-7 21-8 -83-0 14-1 -82-8 26-2 -83-7 21-8 -83-0 14-1 -82-8 26-2 -83-4 37-1 -85-5 46-5 -91-4 53-2 -77-8 74-1 -77-8 86-6 -67-1 86-6	ALT 1912-9385 95.26657 90.20724 91.34059 93.26165 95.85577 100.01416 97.51061 96.32303 92.69861 90.20724 88.66152 87.60779 90.03203 91.93839 94.498498 96.45999 99.44113 104.40029 113.19889 106.83763 103.51697 102.03911 102.03912 96.27453	B/A AZPHAZ INC. 0.899 -93.1 70.4 0.936 -90.2 59. 0.998 -85.5 52. 0.995 -85.2 51. 0.894 -90.2 65. 0.792 -95.7 67. 0.894 -95.2 61. 0.868 -94.8 52. 0.995 -85.2 45. 0.992 -81.6 51. 0.995 -80.9 57. 0.995 -80.9 5	R V V 3648-394 1.969 D PHAZ EMIS ALPHA 4 38.4 34.9 31.1 2 47.6 20.6 9.8 0 53.2 6.8 -1.6 9 47.9 11.4 9.9 2 42.5 22.1 21.6 6 42.2 28.3 22.0 9 42.5 38.3 21.0 2 47.9 32.3 7.8 1 53.3 30.6 -4.8 2 53.1 18.3 -2.2 5 53.2 6.8 -1.6 5 58.9 13.5 -13.4 4 53.7 3.9 -2.4 3 38.0 33.2 32.0 1 37.2 34.0 33.9 9 36.9 39.0 35.0 1 37.2 34.0 33.9 9 36.9 39.0 35.0 1 37.2 34.0 33.9 7 37.2 47.7 35.4 8 38.2 60.6 36.6 7 43.3 51.1 18.3 4 48.6 45.7 3.2 0 53.9 44.2 -10.6 0 59.0 46.6 -24.0 1 58.6 33.6 -17.	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6 220.36764 6-7 207.04081 7-8 193.5588 8-9 203.66675 9-10 189.23164 10-11 235.40793 11-12 178.20074 12-13 179.56674 13-14 188.57317 14-15 208.21213 15-16 167.31485 16-17 208.21213 15-16 167.31485 16-17 208.21213 15-16 167.31485 16-17 208.21213 15-16 167.31485 16-17 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.2123 15-16 208
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 - 17.707 2087.06531 2 -13.035 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.472 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.398 2123.73285 8 -20.019 -28.676 2061.38583 9 -20.263 -35.510 2046.42116 10 -13.345 -35.745 1959.8C145 11 -7.102 -55.71 1919.32877 12 -2.233 -42.051 1938.33091 13 -1.939 -36.172 1915.05518 14 -1.587 -30.251 1926.63512 15 -1.160 -24.038 1975.87567 16 -0.626 -17.184 2070.40479 17 -6.113 -16.550 2078.587567 16 -0.626 -17.186 2070.40479 19 -20.267 -13.050 2247.46140 20 -29.699 -8.632 2468.09399 21 -28.756 -19.021 2799.0918 22 -28.441 - 27.461 2218.68442 23 -28.519 -35.242 2198.39734 24 -28.941 -42.997 2231.04465 25 -20.6603 -42.302 2074.55517 6 -13.655 -42.043 1975.561104	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -3.9 2.1 6.4 2.1 104.5 1.4 149.7 2.3 -110.3 3.6 -90.5 3.6 -90.5 4.6 -1.3 -26.8 19.6 -26.8 19.6 -26.8 19.6 -26.8 19.6 -26.8 11.6 -	SEC TO IMPAC 918-960  AZSUN AZA -79.1 62.6 -80.4 73.8 -81.5 51.6 -82.3 36.4 -81.2 48.4 -81.2 48.4 -81.2 69.9 -77.6 69.4 -73.9 83.8 -84.0 36.3 -84.0 36.3 -84.0 36.3 -84.0 36.3 -84.0 36.3 -84.0 36.3 -84.0 36.3 -84.0 36.3 -84.0 36.3 -84.0 36.3 -84.0 36.3 -87.0 88.3 -87.0 88.3 -87.0 88.3 -87.0 88.3 -87.0 88.3 -87.0 88.3 -87.0 88.3 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1 -77.8 74.1	### ALT 1912-9385  ### 95.26657 93.73534 90.20724 91.34059 93.26165 97.51061 96.32303 92.69861 90.20724 88.66152 87.60779 90.03203 91.93839 94.498498 96.455995 99.44113 104.40029 113.19889 106.83763 103.51697 102.039112 102.039111 102.09072 96.27453 92.61744	LAT LUN 1 -3.657 -35.052  6/A AZPHAZ INCI 0.899 -93.1 70 0.936 -90.2 59. 0.998 -85.5 52. 0.985 -85.2 57. 0.335 -84.7 64. 0.884 -99.2 65. 0.792 -95.7 67. 0.868 -94.8 55. 0.792 -95.7 67. 0.989 -85.5 52. 0.998 -85.5 52. 0.999 -80.1 53. 0.998 -85.5 52. 0.999 -80.2 45. 0.999 -80.2 45. 0.999 -80.2 65. 0.991 -80.0 63. 0.865 -79.0 70. 0.847 -84.1 71. 0.791 -90.2 72. 0.688 -94.2 75. 0.509 -102.1 80. 0.6042 -101.0 71. 0.711 -100.1 64. 0.713 -99.3 58. 0.712 -98.6 52. 0.851 -94.4 49. 0.999 -90.1 47.	R V V 3648.394 1.969 PHAZ EMIS ALPHA 436.4 34.9 31.1 2 47.6 20.6 9.8 0 53.2 6.8 -1.6 0 47.9 11.4 9.9 2 42.5 28.3 22.0 9 42.5 38.3 21.0 2 47.9 32.3 7.8 153.3 30.6 -4.8 2 53.1 83.3 -2.2 0 53.2 6.8 -1.6 5 58.9 13.5 -13.4 4 53.7 3.9 -2.4 4 48.4 9.9 8.7 4 43.2 21.2 20.1 3 38.0 33.2 32.0 1 37.2 34.0 33.9 9 36.9 39.0 35.0 7 37.2 47.7 35.4 8 38.2 60.6 36.6 7 43.3 51.1 18.3 4 48.6 45.7 3.2 0 53.9 44.2 -10.6 0 59.0 46.6 -24.0 1 58.6 33.6 -17.2 3 58.4 22.7 -13.9	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6 220.36764 6-7 207.04081 7-8 194.35588 8-9 209.64675 9-10 189.23164 10-11 235.40793 11-12 178.20074 12-13 179.56674 13-15 208.21213 15-16 167.31485 16-17 205.17159 17-18 236.0840 18-19 110.28362 19-20 276.01461 20-21 225.14962 21-22 206.60093 22-23 205.27857 23-28
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -12.014 -17.707 2087.06531 2 -13.095 -29.417 1972.36589 3 -7.102 -35.971 1919.32877 4 -6.797 -29.26 1930.93669 5 -6.472 -23.576 1981.31972 6 -12.900 -22.741 2026.57642 7 -20.061 -21.998 2123.73285 8 -20.079 -28.676 2061.38583 9 -20.203 -35.510 2046.42116 10 -13.345 -35.745 1959.8C145 11 -7.102 -35.771 1919.3877 12 -2.233 -42.091 1938.39091 13 -1.939 -36.172 1915.09518 14 -1.587 -30.251 1926.63517 15 -1.160 -24.038 1975.8755 16 -0.626 -17.184 2070.40479 17 -6.113 -16.550 2078.56024 18 -12.769 -15.275 2132.10269 19 -20.267 -13.090 2247.46140 20 -29.699 -8.612 2468.09399 21 -28.441 -27.481 2218.68442 23 -28.519 -35.242 2128.839734 24 -28.941 -42.997 2231.04465 5 -20.660 -4.29.202 2274.55577	AZS/C AZN -10.3 7.0 -27.4 5.3 17.2 2.1 -55.1 3.9 -72.5 5.6 -49.0 8.4 -35.1 12.5 -17.6 7.3 3.9 2.1 6.4 2.1 104.5 1.4 149.7 2.2 -110.3 3.6 -99.5 3.6 -00.7 11.4 -47.4 17.6 -47.4 17.6 -38.1 28.4 -26.8 19.8 -26.8 19.8 -28.8 11.1 -28.8 2.1 18.1 -7.6 -36.6 -1.6 -36.6 -1.6 -64.0 0.6	SEC TO IMPAC 918-960  AZSUN AZA -76-8 73-4 -79-1 62-6 -80-4 73-8 -81-5 51-6 -81-2 48-4 -81-2 56-9 -77-6 69-4 -73-9 83-8 -76-7 80-4 -73-9 83-8 -83-8 18-9 -83-8 18-9 -83-8 18-9 -83-8 18-9 -83-7 21-8 -83-0 14-1 -82-8 26-2 -83-4 63-1 -77-8 74-6 -67-1 86-6 -69-5 9 -73-5 10-7	ALT 1912-9385 95-26657 93-73534 90-20724 91-34059 93-26165 95-85577 100-016416 96-32303 92-99861 90-20724 88-66152 87-60779 90-03203 91-93839 94-98498 96-45999 99-44113 104-40029 113-19889 106-83763 103-51697 102-09072 96-27453 92-61744	LAT LUN 1 -3.657 -35.052  B/A AZPHAZ INC. 0.899 -93.1 70.4 0.936 -90.2 59. 0.998 -85.5 52. 0.985 -85.2 51. 0.894 -90.2 65. 0.792 -95.7 67. 0.844 -90.2 65. 0.792 -95.7 67. 0.849 -95.2 61. 0.868 -94.8 55. 0.992 -81.6 51. 0.995 -80.9 57. 0.995 -80.9 57. 0.995 -80.9 57. 0.995 -80.9 57. 0.995 -80.9 57. 0.996 -80.9 57. 0.997 -80.9 57. 0.998 -85.5 52. 0.999 -80.9 57. 0.991 -80.0 63. 0.865 -90.2 75. 0.509 -102.1 80. 0.642 -101.0 71. 0.711 -100.1 64. 0.713 -99.3 58. 0.712 -98.6 52. 0.812 -98.6 52. 0.815 -94.4 49. 0.939 -90.1 47.	R V V 3648-394 1.969 D PHAZ EMIS ALPHA 4 38.4 34.9 31.1 2 47.6 20.6 9.8 0 53.2 6.8 -1.6 9 47.9 11.4 9.9 2 42.5 22.1 21.6 6 42.2 28.3 22.0 9 42.5 38.3 21.0 2 47.9 32.3 7.8 1 53.3 30.6 -4.8 2 53.1 18.3 -2.2 5 53.2 6.8 -1.6 5 58.9 13.5 -13.4 4 53.7 3.9 -2.4 3 38.0 33.2 32.0 1 37.2 34.0 33.9 9 36.9 39.0 35.0 1 37.2 34.0 33.9 9 36.9 39.0 35.0 1 37.2 34.0 33.9 7 37.2 47.7 35.4 8 38.2 60.6 36.6 7 43.3 51.1 18.3 4 48.6 45.7 3.2 0 53.9 44.2 -10.6 0 59.0 46.6 -24.0 1 58.6 33.6 -17.	PTH AZ -74.218 116.938  SCALE PT-PT 0. 0-1 347.69746 1-2 266.68843 2-3 181.98891 3-4 191.29753 4-5 196.28411 5-6 220.36764 6-7 207.04081 7-8 193.5588 8-9 203.66675 9-10 189.23164 10-11 235.40793 11-12 178.20074 12-13 179.56674 13-14 188.57317 14-15 208.21213 15-16 167.31485 16-17 208.21213 15-16 167.31485 16-17 208.21213 15-16 167.31485 16-17 208.21213 15-16 167.31485 16-17 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.21213 15-16 208.2123 15-16 208

			RA-VII	CAMERA	A FA							11
JULY 31,1964 13 HR 10 MIN 34	SEC 959 F	MS	1	AB NO	21	ATLA:	S PHOTO	NO	21	POD S	EQUENCE NO	48
TRAJECTORY DATA			SEC TO		ALT	LAT	LO	N	R	٧	PTH /	ΑZ
PHOTO DATA			913.	840	1903.23456	-3.6	77 -35.	013	3638.690	1.971	-74.189 110	
PT LAT LON RANGE	AZS/C	AZN	AZSUN	AZA	A =		AZPHAZ		PHAZ EMIS		SCALE I	PT-PT
1 -12.005 -17.725 2076.63678 2 -13.094 -29.358 1962.71535	-10.5 -27.6	7.0 5.3	-76.8 -79.2	73.2	94.79812				38.4 34.8 47.6 20.6	31.1 9.8	0. 345.46225	0- 1 1- 2
3 -7.129 -35.882 1909.62453	16.4	2.2	-80.4	73.4	89.75269	0.998	-85.5	52.1	53.2 6.8	-1.5	265.42277	2- 3
4 -6.826 -29.867 1921.41150 5 -6.503 -23.546 1971.70486	-55.1 -72.4	4.0	-81.5	51.5	90.88993				47.9 11.4		181.09445	3- 4
6 -12.900 -22.713 2016.82970	-49.0	5.6 8.4	-82.3 -81.3	36.4 48.4	92.80882 95.39474				42.5 22.1 42.2 28.3	21.7	190.40207 195.35483	4- 5 5- 6
7 -20.025 -21.376 2113.47784	-35.1 1	12.5	-81.2	56.8	99.53129	0.793	-95.7	68.0	42.5 38.2	21.0	219.28648	6- 7
8 -20.042 -28.619 2051.26190 9 -20.224 -35.418 2036.08475	-17.7 3.8	7.4	-77.7 -74.0	69.3 83.6	97.03163 95.83626				47.9 32.3 53.3 30.6	7.9 -4.7	206.08350 193.40914	7-8 8-9
10 -13.342 -35.655 1949.95862	6.1	2.1	-76.7	80.2	92.23302				53.1 18.3		208.56594	9-10
11 -7.129 -35.882 1909.62453 12 -2.287 -41.930 1928.12807	16.4	2.2	-80.4	73.4	89.75269				53.2 6.8	-1.5	188.29108	10-11
	104.4 150.4	2.3	-83.7 -84.0	17.9 63.0	88.14353 87.14875				58.9 13.4 53.7 3.8	-13.3 -2.3	234.15085 1 177.22895 1	
14 -1.642 -30.191 1916.99251	-109.9	3.0	-84.0	36.9	89.59053	0.999	-80.9	57.3	48.4 10.0	8.8	178.67147	13-14
15 -1.216 -24.008 1966.13622 16 -0.685 -17.186 2060.24771	-99.3 -96.1	3.7 4.0	-83.7 -82.9	21.9 14.2	91.48464 94.51805				43.1 21.2		187.67431	
17 -6.145 -16.553 2068.53516	-78.4	7.1	-82.8	26.4	95.99423				38.0 33.2 37.2 34.0	32.0 33.9	207.20851	19-16 16-17
18 -12.770 -15.282 2121.96747		11.4	-83.4	37.7	98.96558	0.791	-90.2	72.8	36.9 39.0	35.0	204.20806	17-18
19 -20.230 -13.070 2236.62238 20 -29.606 -8.694 2455.52924		17.6 28.3	-85.5 -91.4	46.5 53.3	103.89707				37.2 47.7 38.2 60.5	35.4 36.5	234.90504 308.28994	
21 -28.671 -19.016 2287.64139		19.7	-83.4	63.0	106.30551				43.3 51.0		274.46002	
22 -28.357 -27.429 2201.49114		ii.i	77.0	71.0	102,09465				48.6 45.7	3.3	224.06962	21-22
23 +28.431 -35.145 2186.97061 24 +28.845 -42.809 2218.86899	2.7 18.0 -	2.3 -6.9	-72.1 -67.2	86.1	101.50805				53.9 44.2 59.0 46.5		204.09279	
25 -20.560 -42.171 2063.64667	24.2 -	-3.3	-69.6	8.9	95.76799	0.852	-94.4		58.6 33.5		251.56373	
26 -13.648 -41.911 1975.27423 27 -7.424 -41.856 1933.47583	36.4 - 63.7	0.2	-73.6 -78.7	9.9 12.7	92.13526 89.82758		-90.1		58.4 22.7		209.50726	
28 -2.287 -41.930 1928.12807	104.4	1.4		17.9	88.14353				58.5 14.7 58.9 13.4		188.51961 2 155.62518 2	
	10444											
20 20201 410750 1720012007	10444	1.4										
JULY 31,1964 13 HR 10 MIN 40				AB NO	22		S PHOTO		22		EQUENCE NO	50
JULY 31,1964 13 HR 10 MIN 40		45	1	AB NO	22	ATLA:	s <b>Р</b> НОТО	NO	22	POD S	EQUENCE NO	50
JULY 31,1964 13 HR 10 MIN 40 TRAJECTORY DATA		45		TAB NO		ATLA:	S PHOTO	NO N	22 R	POD S	EQUENCE NO	50 AZ
JULY 31,1964 13 HR 10 MIN 40 TRAJECTORY DATA PHOTO DATA	SEC 79 M	<b>4</b> S	1 SEC TU 908.	TAB NO IMPACT 721	22 ALT 1893-52341	LAT	S PHOTO	NO IN 975	22 R 3628.979	POD S	PTH -74.159 116	50 AZ 6.928
JULY 31,1964 13 HR 10 MIN 40 TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE 1 -11.996 -17.744 2066-19910	SEC 79 M	4S 4ZN 7.0	SEC TU 908. AZSUN -76.9	IMPACT 721 AZA 73.0	22 AL T	LAT -3.6	S PHOTO LO 96 -34. AZPHAZ	NO N 975 INCD	22 R	POD S	PTH -74.159 116	50 AZ
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630	AZS/C -10.7 -27.7	AZN 7.0 5.3	SEC TU 908. AZSUN +76.9 -79.2	IMPACT 721 AZA 73.0 62.3	ALT 1893-52341 Ae 94-32930 92-81767	ATLA: LAT -3.6' B/A 0.899 0.936	S PHOTO  96 -34.  AZPHAZ  -93.2  -90.2	NO 975 INCD 70.4 59.3	22 R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7	POD S 1.972 ALPHA 31.1 9.9	PTH -74.159 110  SCALE 0 343.22800	50 AZ 6.928 PT-PT 0-1 1-2
JULY 31,1964 13 HR 10 MIN 40 TRAJECTORY DATA  PHOTO DATA PT LAN RANGE 1 -11.996 -17.744 2066-19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530	AZS/C -10.7 -27.7 15.6	AZN 7.0 5.3 2.2	SEC TU 908. AZSUN -76.9 -79.2 -80.4	IMPACT 721 AZA 73.0 62.3 73.1	ALT 1893-52341 A* 94-32930 92-81767 89-29815	ATLA: LAT -3.69 8/A 0.899 0.936 0.998	S PHOTO  10 10 10 10 10 10 10 10 10 10 10 10 10	NO 975 INCD 70.4 59.3 52.2	22 R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8	POD S V 1.972 ALPHA 31.1 9.9 -1.4	PTH -74.159 116  SCALE 0. 343.22800 264.15602	50 AZ 6.928 PT-PT 0-1 1-2 2-3
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.553 -23.516 1962.08076	AZS/C -10.7 -27.7 15.6 -72.4	AZN 7-0 5-3 2-2 4-0 5-6	SEC TU 908. AZSUN +76.9 -79.2 -80.4 -81.5 -82.3	TAB NO IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4	22 ALT 1893-52341 A- 94-32930 92-81767 89-29815 90-43894 92-35555	ATLAS LAT -3.69 8/A 0.899 0.936 0.998 0.984 0.935	S PHOTO  LU 96 -34.  AZPHAZ -93.2 -90.2 -85.5 -85.5 -85.2 -84.7	NO 975 INCD 70.4 59.3 52.2 58.0	22 R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7	POD S 1.972 ALPHA 31.1 9.9	PTH -74.159 110  SCALE 0 343.22800	50 AZ 6.928 PT-PT 0-1 1-2
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -71.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 -49.1	AZN 7-0 5-3 2-2 4-0 5-6 8-4	SEC TU 908. AZSUN -76.9 -79.2 -80.4 -81.5 -81.3	TAB NO  IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4	ALT 1893-52341 A+ 94-32930 92-81767 89-29815 90-43894 92-35555 92-35555	ATLAS LAT -3.65 B/A 0.899 0.936 0.998 0.984 0.935 0.884	S PHOTO  100 100 100 100 100 100 100 100 100 1	NO 975 INCD 70.4 59.3 52.2 58.0 64.2 65.7	22 R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.2 28.4	POD S V 1.972 ALPHA 31.1 9.9 -1.4 10.0 21.7 22.1	PTH	50 AZ 6.928 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.553 -23.516 1962.08076	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 -49.1 -35.2	AZN 7.0 5.3 2.2 4.0 5.6 8.4	SEC TU 908. AZSUN +76.9 -79.2 -80.4 -81.5 -82.3	TAB NO  IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4 56.8	ALT 1893-52341 A* 94-32930 92-81767 89-29815 94-335555 94-93321 99-04790	ATLA: LA1 -3.6' B/A 0.899 0.936 0.998 0.984 0.935 0.884 0.793	S PHOTO  10 10 10 10 10 10 10 10 10 10 10 10 10	NO 975 INCD 70.4 59.3 52.2 58.0 64.2 65.7 68.0	R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.2 28.4 42.5 38.2	POD S V 1.972 ALPHA 31-1 9.9 -1.4 10.0 21.7 22.1 21.0	PTH -74-159 114  SCALE 0. 343-22800 264-15602 180-19957 189-50548 194-42446 218-24926	50 AZ 6.928 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 -49.1 -35.2 -17.8 3.6	AZN 7-0 5-3 2-2 4-0 5-6 8-4 12-5 7-4 2-1	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.5 -82.3 -81.3 -81.3 -77.7 -74-1	TAB NO  IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4 56.8 69.1 83.4	ALT 1893-52341 A• 94.32930 92.81767 89.29815 90.43894 92.35555 94.93321 94.04790 96.55223 95.34922	ATLA: -3.6' 8/A 0.899 0.936 0.984 0.935 0.884 0.793 0.850 0.869	S PHOTO  96 -34.  AZPHAZ -93.2 -90.2 -85.5 -85.5 -85.7 -90.2 -95.7 -95.2	NO 975 INCD 70.4 59.3 52.2 58.0 64.2 65.7 68.0 61.3 55.2	R 3628.979 PHAZ EMIS 367.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.5 38.2 47.9 32.3 53.3 30.6	POD S  V 1.972  ALPHA 31.1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.6	PTH -74.159 114 SCALE 0 343.22800 264.15602 180.19957 189.50548 184.49246 218.20426 205.12471 192.46191	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 -49.1 -35.2 1-17.8 3.6 5.8	AZN 7-0 5-3 2-2 4-0 5-6 8-4 12-5 7-4 2-1	SEC TU 908.  AZSUN -76.9 -76.9 -80.4 -81.5 -82.3 -81.3 -77.7 -74-1 -76.8	TAB NO  IMPACT 721  AZA 73.0 62.3 73.1 51.4 48.4 56.8 69.1 83.4 79.9	ALT 1893-52341 94-32930 92-81767 89-29815 90-43894 92-35555 94-93321 99-04790 96-55223 95-34922 91-76717	ATLA: LAI -3.6 B/A 0.899 0.936 0.984 0.984 0.988 0.884 0.793 0.850 0.8650 0.8650	S PHOTO  10 10 10 10 10 10 10 10 10 10 10 10 10	NO 1N 975 1NCD 70.4 59.3 52.2 58.0 64.2 65.7 68.0 65.7 68.0 55.2 53.4	22 R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.5 28.4 42.5 38.2 47.9 32.3 53.3 30.6 53.1 18.3	POD S  V 1.972  ALPHA 31.1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.6 -2.0	PTH -74-159 114  SCALE 10 -343.22800 264-15602 180-19957 189-50548 199-5442446 218.20426 205-12471 192.46191 207.48452	50 AZ 6.928 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTU DATA PT LAY LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.056.30 3 -7.157 -35.794 1899,91530 4 -0.855 -29.807 1911.87892 5 -0.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21146 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899,91530 12 -2.340 -41.809 1917.86551	AZS/C -10.7 -27.7 15.6 -72.4 -49.1 -35.2 -17.8 3.6 5.8 15.6 104.2	AZN 7-0 5-3 2-2 4-0 5-6 12-5 7-4 2-1 2-1 2-1	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.3 -81.3 -81.3 -77.7 -74-1 -76.8 -80.4 -83.7	TAB NO  IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4 56.8 69.1 83.4	ALT 1893-52341 A• 94.32930 92.81767 89.29815 90.43894 92.35555 94.93321 94.04790 96.55223 95.34922	ATLA: LA1 -3.6' B/A 0.899 0.998 0.984 0.935 0.884 0.885 0.885 0.8869 0.998	S PHOTO  LO 96 - 34.  AZPHAZ -93.2 -90.2 -85.5 -84.7 -90.2 -95.7 -90.2 -95.2 -94.8 -90.2 -96.5	NO 1N 975 1NCD 70.4 59.3 52.2 65.7 68.0 61.3 553.4 52.2	R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 28.4 42.2 28.4 42.5 38.2 47.9 32.3 30.6 53.1 18.3	POD S V 1.972 ALPHA 31.1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.6 -2.0 -1.4	PTH -74.159 114 SCALE 0 343.22800 264.15602 180.19957 189.50548 184.49246 218.20426 205.12471 192.46191	50  AZ 6.928  PT-PT 0-1 1-2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899.91530 12 -2.340 -41.809 1917.86551 13 -2.048 -35.993 1895.42368	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 -35.2 -17.8 3.6 15.6 104.2 151.1	AZN 7-0 5-3 2-2 4-0 8-4 12-5 7-4 12-1 2-1 2-1 2-2	SEC TU 908. AZSUN -76.9 -79.2 -80.4 -81.3 -81.3 -77.7 -74.1 -76.8 -80.4 -83.7	TAB NO IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4 56.8 69.1 83.4 79.9 73.1 16.8 62.6	22 ALT 1893-52341 Ae 4-,32930 92.81767 89.29815 94.93321 94.94790 96.55223 95.34922 91.76717 89.29815 87.62666 86.68997	ATLA: LAI -3.6' B/A 0.998 0.984 0.935 0.884 0.793 0.850 0.954 0.954 0.998 0.998 0.998	S PHOTO  96 -34.  AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.7 -96.6 -82.2 -85.5 -82.2 -81.6	NO 1N 975 1NCD 70-4 59-3 52-2 58-0 64-2 65-7 68-0 61-3 55-2 53-4 55-2 53-4 55-2 53-4	R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.5 38.2 47.9 32.3 53.3 30.6 53.3 18.3 53.1 6.8 58.9 13.3 53.7 3.7	POD S V 1.972 ALPHA 31.1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.6 -2.0 -1.4 -1.3 -2.2	PTH -74.159 114 SCALE 0. 343.22800 264.15602 180.19957 189.50548 194.42446 218.20426 205.12471 192.46191 207.48452 187.35000 232.89485 176.25810	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAY LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899,91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899.91530 12 -2.340 -41.809 1917.86551 13 -2.048 -35.993 1895.42368 14 -1.697 -30.131 1907.34398	AZS/C -10.7 -27.7 15.0 -55.1 -72.4 -49.1 -35.2 -17.8 3.6 5.8 15.6 104.2 151.1	AZN 7-0 5-3 2-2 4-0 8-4 12-5 7-4 12-1 2-1 2-1 2-1 2-3	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.5 -82.3 -81.3 -77.7 -74.1 -76.8 -80.4 -83.7 -84.0 -83.0	TAB NO  IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4 56.8 69.1 83.4 77.9 73.1 16.8 62.6 62.7	22 ALT 1893-52341 94.32930 92.81767 89.29815 90.43894 92.35555 94.93321 96.55223 96.55223 96.34922 91.76717 89.29815 87.62666 86.68997 89.14887	ATLA: LAT -3.6' 8/A 0.899 0.936 0.984 0.935 0.850 0.850 0.850 0.994 0.994 0.994 0.999	S PHOTO  96 -34.  AZPHAZ -93.2 -90.2 -85.5 -85.2 -90.2 -95.7 -90.2 -94.8 -90.2 -95.6 -80.9	NO 1N 975 1NCD 70.4 59.3 52.2 65.7 68.0 61.3 55.2 45.8 55.2 45.8 57.4	22 R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.5 28.4 42.5 38.2 47.9 32.3 53.3 30.6 53.1 18.3 53.2 6.8 53.7 3.7 53.7 3.7 48.4 10.0	POD S V 1.972 ALPHA 31-1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.6 -2.0 -1.4 -13.2 -2.2 8.8	PTH -74.159 114  SCALE 10 -343.22800 264.15602 180.19957 189.50548 194.2446 205.12471 192.46191 207.48452 187.35000 232.89485 176.25810 177.77593	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 11-12 11-14
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899.91530 12 -2.340 -41.809 1917.86551 13 -2.048 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.38911 16 -0.743 -17.189 2050.08191	AZS/C -10.7 -27.7 15.0 -55.1 -72.4 -49.1 -17.8 3.6 5.9 15.6 104.2 151.1 -109.4 -99.1	AZN 7-0 5-3 24-0 5-6 8-5 7-4 2-1 2-2 3-1 4-1	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.5 -82.3 -81.3 -77.7 -74.1 -76.6 -82.9 -83.7 -84.0 -83.9 -83.9 -83.6	TAB NO  IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4 69.1 83.4 779.9 73.1 16.8 37.0 22.1	22 ALT 1893-52341 94.32930 92.81767 89.29815 90.43894 92.35555 94.93321 96.055223 95.34922 91.76717 89.29815 86.68997 89.14887 91.03054 94.03074	ATLA:  -3.6'  8/A 0.899 0.936 0.984 0.935 0.884 0.793 0.869 0.994 0.994 0.995 0.985	S PHOTO  100 100 100 100 100 100 100 100 100 1	NO 975 INCD 70.4 59.3 52.2 58.0 64.2 65.7 66.3 55.2 53.4 55.2 45.8 51.5 57.4 67.3	22 R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.5 28.4 42.5 38.2 47.9 32.3 53.3 30.6 53.1 18.3 53.2 6.8 53.3 18.3 53.7 3.7 48.4 10.0 43.1 21.2 43.0 33.2	POD S  V 1.972  ALPHA 31-1 9.9 -1.4 10.0 21.7 22.10 7.9 -4.6 -2.0 -1.4 -13.2 8.8 20.2 32.0	PTH -74.159 114  SCALE 0. 943.22800 264.15602 180.19957 189.50548 194.42446 205.12471 192.46191 207.48452 187.35000 176.7593 186.77449 177.77593 186.77749	50  AZ 6.928  PT-PT 0-1 1-2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 13-14 14-15
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA PT LAY LON RANGE 1 -11.996 -17.744 2066-19910 2 -13.092 -29.299 1953.056.0 3 -7.157 -35.794 1899,91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899,91530 12 -2.340 -41.809 1917.86551 13 -2.048 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.38911 16 -0.743 -17.189 2050.08191 17 -5.177 -16.555 2058.4939	ALS/C -10.7 -27.7 15.6 -55.1 -72.4 -35.2 -17.8 3.6 15.6 104.2 151.1 -109.4 -99.1 -95.4	AZN 7-03 2-2-2-4-0 5-4-2-1 12-5-4 12-5-4 12-1-2 1-4-3 13-7 17-2	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.3 -81.3 -77.7 -74.1 -76.8 -80.4 -83.9 -83.6 -82.9 -82.8	IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4 56.8 69.1 16.8 62.0 22.1 14.6.5	22 ALT 1893-52341 94.32930 92.81767 89.29815 90.43894 92.35555 94.93321 99.04790 96.55223 96.34922 91.76717 89.29815 87.62666 86.68997 89.14887 89.103054 94.103054 94.103054 94.105074	ATLA:  LA1  -3.6  B/A  0.899  0.936  0.984  0.984  0.7850  0.869  0.954  0.994  0.994  0.994  0.995  0.984  0.994  0.982  0.984	S PHOTO  LO 96 -34.  AZPHAZ -90.2 -93.2 -84.5 -95.2 -95.7 -95.7 -95.7 -95.8 -90.2 -94.8 -90.2 -95.6 -80.0 -79.0 -79.0 -84.1	NO 1N 975 1NCD 70-4 59-3 52-2 58-0 64-2 68-0 61-3 55-2 45-8 55-2 45-8 57-4 63-5 77-1	22 R 3628-979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.5 28.4 42.5 38.2 47.9 32.3 53.1 18.3 53.1 18.3 53.7 3.7 48.4 10.0 38.0 33.2 38.0 33.2	POD S  V 1.972  ALPHA 31.1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.6 -2.0 -1.4 -13.2 -2.8 8 20.2 32.0	PTH -74.159 114  SCALE 0. 343.22800 264.15602 180.19957 189.50548 194.42466 218.20426 205.12471 192.46191 207.48452 187.35000 32.89485 176.25810 177.77593 186.77449 206.20382	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899.91530 12 -2.340 -41.809 1917.86551 13 -2.048 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.389116 -0.743 -17.189 2050.08191 17 -6.177 -16.556 2058.4939 18 -12.770 -15.289 2111.76001	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 -35.2 1 -17.8 3.6 5.8 15.6 104.2 151.1 -109.4 -99.1 -95.9 -78.4 -60.7	AZN 7-0 5-3 24-0 5-6 8-5 7-4 2-1 2-2 3-1 4-1	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.5 -82.3 -81.3 -77.7 -74.1 -76.8 -80.4 -83.7 -84.0 -83.9 -83.6 -82.8 -83.8 -83.8	TAB NO  IMPACT 721  AZA 73.0 62.3 73.1 51.4 36.4 48.4 69.1 83.4 779.9 73.1 16.8 37.0 22.1	22 ALT 1893-52341 A- 94-32930 92-81767 89-29815 94-93321 94-04790 96-55223 95-34922 91-76717 89-29815 87-62666 86-68997 89-14887 91-03054 94-05074 95-52802	ATLA:  LAT  -3.6'  8/A  0.899  0.984  0.984  0.850  0.850  0.854  0.994  0.994  0.994  0.994  0.994  0.995  0.865  0.865	S PHOTO  100 100 100 100 100 100 100 100 100 1	NO N 975 INCD 70.4 59.3 55.2 58.0 64.2 66.7 66.3 55.4 45.8 55.2 45.8 63.5 70.3 77.3	R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 28.4 42.5 38.2 47.9 32.3 53.3 30.6 53.1 18.3 53.7 3.7 48.4 10.0 43.1 21.2 37.2 34.0	POD S  V 1.972  ALPHA 31.1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.6 -2.0 -1.4 -13.2 8.8 20.2 32.0 33.9	PTH -74-159 114 SCALE 0- 343-22800 264-15602 180-19957 189-50548 184-42446 218-20426 205-12471 192-46191 207-48452 176-25810 177-77593 186-777449 206-20382 165-70201 203-2832	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 13-14 14-15 15-16 16-17
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.996 -17.744 2666.19910 2 -13.092 -29.299 1953.05630 3 -7.157 -35.794 1899.91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10389 11 -7.157 -35.794 1899.91530 12 -2.340 -41.809 1917.86551 13 -2.048 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.38911 16 -0.743 -17.189 2050.08191 17 -6.177 -16.556 2058.4931 18 -12.770 -15.289 2111.76001 19 -20.194 -13.090 2225.7063	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 1-35.2 1-17.8 3.6 5.8 15.6 104.2 151.1 -109.4 -99.1 -99.1 -99.7 -47.5 1-38.4	AZN 7-0 5-3 2-2 5-6 8-4 127-4 12-1 2-1 2-1 2-1 1-4 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1	SEC TU 908.  AZSUN -76-9-2 -80-4 -81-5 -81-3 -77-7 -1 -76-8 -80-4 -83-7 -84-0 -83-9 -82-8 -85-5 -91-4	AZA 73.0 62.3 73.1 51.4 48.4 69.1 83.9 73.1 16.6 69.1 16.6 37.0 114.4 26.5 37.7 46.4	22 ALT 1893-52341 Ae 94.32930 92.81767 89.29815 94.93321 99.04790 96.55223 95.34922 91.76717 89.29815 87.62666 86.68997 89.14887 91.03054 94.05074 94.05074 98.48948 103.39325	ATLA:  LAT  -3.6'  8/A  0.899  0.935  0.985  0.889  0.998  0.998  0.998  0.998  0.998  0.998  0.998  0.998  0.998  0.998  0.988	S PHOTO  100 96 -34.  AZPHAZ -90.2 -85.5 -84.7 -90.2 -95.7 -94.8 -90.2 -85.6 -80.0 -80.0 -79.0 -84.1 -90.2 -96.2 -102.2	NO N 975 1 NC D 759.3 552.2 664.2 665.7 661.3 553.4 45.8 557.4 557.4 70.3 772.8 780.7	R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.5 38.2 47.9 32.3 53.3 30.6 53.1 18.3 53.7 3.7 48.4 10.0 37.2 34.0 37.2 34.0 37.2 47.7 38.2 60.4	POD S  V 1.972  AL PHA 31.1 9.9 -1.4 10.0 21.7 22.1 21.0 21.0 -1.4 -1.2 8.8 20.2 32.0 33.9 35.0 35.6	PTH -74-159 114 SCALE 0- 343-22800 264-15602 180-19957 189-50548 194-4246 218-20426 205-12471 192-46191 207-48452 187-35000 232-89485- 176-25810 177-77593 186-77449 206-20382 165-70201 233-17449 206-20382 233-17449	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 13-14 14-15 15-16 16-17-18 18-19
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA PT LAY LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.056.30 3 -7.157 -35.794 1899,91530 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899,91530 12 -2.340 -41.809 1917.86551 13 -2.048 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.38911 16 -0.743 -17.189 2050.0819 17 -6.177 -16.555 2058.49939 18 -12.770 -15.289 2111.76019 19 -20.194 -13.090 2225.77063 20 -29.513 -8.755 2442.95804 21 -28.586 -19.011 2276.18182	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 -49.1 17.8 3.6 15.6 104.2 151.1 -109.4 -95.9 -60.7 1-47.5 3-8 1-47.5 1-4	AZN 7-0 5-3 2-2 0 5-6 4 12-5 - 12-1 2-1 2-2 1 2-3 3-1 7-1 4-1 77-5 289-7	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.5 -81.3 -81.3 -77.7 -74.1 -76.8 -80.4 -83.7 -84.0 -83.9 -83.4 -83.4 -85.5 -91.4 -85.5	AB NO  IMPACT 721  AZA 73.1 51.4 36.4 486.8 69.1 83.4 79.9 116.8 62.0 22.1 14.4 26.5 37.0 22.1 14.5 23.7	22 ALT 1893-52341 94.32930 92.81767 89.29815 90.43894 92.35555 94.93321 94.04790 96.55223 95.34922 91.76717 89.29815 87.62666 86.68997 89.14887 91.03054 89.48948 103.03932 103.04700 105.77297	ATLA:  LAT -3.6  B/A 0.899 0.935 0.984 0.935 0.850 0.869 0.954 0.998 0.994 0.999 0.951 0.869 0.986 0.887 0.869	S PHOTO  LO 96 -34.  AZPHAZ -90.2 -90.2 -85.5 -85.2 -90.2 -95.2 -94.8 -90.2 -95.2 -94.8 -90.2 -95.2 -91.6 -90.2 -91.6 -90.2 -91.6 -90.2 -102.2 -102.2	NO N 975 170-4 59-3 52-2 65-7 68-0 68-0 68-0 68-0 70-3 77-2 88-0 77-2 88-0 77-3 77-3 71-3 71-3 71-3 71-3 71-3 71-3	22  R 3628.979  PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 53.2 6.8 47.9 32.3 53.1 18.3 53.7 3.7 53.1 21.2 38.0 33.2 6.8 31.1 21.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2 38.0 33.2	POD S  V 1.972  ALPHA  31.1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.6 -2.0 -1.4 -13.2 -2.2 8 20.2 33.9 35.4 36.5 36.5	PTH -74-159 114  SCALE 10. 343.22800 264.15602 180.19957 189.50548 194.42446 218.20426 205.12471 192.46191 207.48452 187.35000 177.77593 186.77449 206.20382 206.20382 206.20382 203.24302 203.24302 203.24302 203.30991	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 113-14 14-15 15-16 16-17 17-18
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA  PT LAY LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.056.30 3 -7.157 -35.794 1899,915.30 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.355 2007.07243 7 -19.990 -21.355 2103.21168 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899,91530 12 -2.340 -41.809 1917.80551 13 -2.048 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.38911 16 -0.743 -17.189 2050.08191 17 -6.177 -16.556 2058.49939 18 -12.770 -15.289 2111.76001 19 -20.194 -13.090 2225.77063 20 -29.513 -8.755 2442.95804 21 -28.586 -19.011 2276.18182 22 -28.273 -27.376 2196.30432 23 -28.343 - 35.048 215.54163	AZS/C -10.7 -27.7 15.6 -55.1 -72.4 -49.1 -35.2 151.1 109.4 -99.1 -95.9 -47.5 109.4 -99.1 -95.9 -47.5 13.6 15.6 15.6 15.6 104.2 151.1 109.4 -95.9 -47.5 12.6 13.6 13.6 13.6 13.6 14.6 15.6 16.6 16.7 16.7 16.7 16.7 16.7 16.7 16	AZN 7-0 5-3 2-4-0 5-6-4 12-5 7-4 12-1 2-1 2-1 11-4 17-5 11-4 17-5 19-7 11-1	SEC TU 908.  AZSUN -76-9-2 -80-4 -81-5 -81-3 -77-7 -1 -76-8 -80-4 -83-7 -84-0 -83-9 -82-8 -85-5 -91-4	AZA 73.0 62.3 73.1 51.4 48.4 69.1 83.9 73.1 16.6 69.1 16.6 37.0 114.4 26.5 37.7 46.4	22 ALT 1893-52341 Ae 94.32930 92.81767 89.29815 94.93321 99.04790 96.55223 95.34922 91.76717 89.29815 87.62666 86.68997 89.14887 91.03054 94.05074 94.05074 98.48948 103.39325	ATLA:  LAT -3.6'  8/A 0.899 0.936 0.984 0.935 0.850 0.850 0.869 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.986 0.998 0.986 0.986 0.986 0.986 0.986 0.986	S PHOTO  100  96 -34.  AZPHAZ -93.2 -90.2 -85.5 -90.2 -95.7 -95.7 -95.7 -95.5 -82.2 -94.8 -80.9 -80.0 -79.0 -84.1 -90.2 -96.2 -101.0	NO N 975 INCD 70-43 52-2 55-2 68-7 661-3 553-4 45-8 557-4 68-7 71-18 775-7 764-4	R 3628.979 PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 42.5 22.1 42.5 38.2 47.9 32.3 53.3 30.6 53.1 18.3 53.2 6.8 58.9 13.3 53.2 6.8 58.9 13.3 53.7 3.7 48.4 10.0 36.9 39.0 37.2 47.7 38.2 60.4 43.3 51.0	POD S  V 1.972  ALPHA 31-1 9-9 -10-0 21.7 21.0 7-9 -4-6 -13-2 8.8 20.2 32.0 33.0 33.0 35.5 18.3 3.4	PTH -74-159 114 SCALE 0. 343-22800 264-15602 180-19957 189-50548 194-4246 218-20426 205-12471 192-46191 207-48452 187-35000 232-89465 176-25810 177-77593 186-77449 206-20382 233-72429 203-24302 233-72429 272-90673 272-90673	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 113-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.056.30 3 -77.157 -35.794 1899.915.30 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10389 11 -7.157 -35.794 1899.91530 12 -2.340 -41.809 1917.86551 13 -2.088 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.38911 16 -0.743 -17.189 2050.08191 17 -6.177 -16.556 2058.4939 18 +12.770 -15.289 2111.76001 19 -20.194 -13.090 2225.77063 20 -29.513 -8.755 2442.95804 21 -28.586 -19.011 2276.18182 22 -28.273 -27.376 2196.30432 23 -28.344 -35.068 2175.54163	AZS/C -10.7 -27.7 15.6 -72.4 -35.2 -17.8 15.6 104.2 1151.1 -109.4 -99.1 -99.1 -95.2 -47.5 -38.1 -26.9 12.6 13.6 15.6 15.6 15.6 15.6 15.6 15.6 15.6 15	AZN 7-03 24-06 8-4 12-5 22-12 1-4 3-1 13-1 12-3 117-1 12-6 8	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.5 -81.3 -77.7 -74.1 -76.8 -80.4 -83.9 -63.6 -82.9 -83.4 -83.5 -91.4 -83.4 -85.5 -91.4 -83.4 -67.4 -83.4 -67.4	AB NO IMPACT 721  AZAO 62.3 73.1 73.6.4 56.8 69.1 83.4 773.1 16.8 62.7 114.4 53.7 62.7 83.9 85.9	22 ALT 1893-52341 94.32930 92.61767 89.29815 90.43894 92.35555 94.93321 99.04790 96.55223 95.34922 91.76717 89.29815 87.62666 86.68997 89.14887 91.03054 94.05074 94.05074 95.52802 98.48948 103.39325 112.04700 105.77297 102.47202 100.97503	ATLA:  LAT -3.6'  8.899 0.936 0.984 0.938 0.850 0.869 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.973 0.735	S PHOTO  100 96 -34.  AZPHAZ -90.2 -93.2 -84.7 -95.7 -95.7 -95.7 -94.8 -90.2 -81.6 -80.0 -79.0 -84.1 -90.2 -96.2 -101.0 -99.3	NO N 975 INCD 466.3 558.4 2 665.7 668.0 3 571.1 8 75.7 771.7 80.7 75.7 771.7 64.4 65.1 55.1 668.1	22  R 3628-979  PHAZ EMIS 38-4 34-8 47-6 20-7 53-2 6-8 47-9 11-5 42-5 22-1 42-5 38-2 47-9 32-3 53-3 30-6 53-1 18-3 53-2 6-8 53-7 33-7 48-4 10-0 36-9 39-0 36-9 39-0 37-2 47-7 38-2 60-4 43-3 51-6 53-9 44-1 53-9 44-1	POD S  V 1.972 ALPHAI 919 -1.00 21.71 21.00 -1.40 -1.30 -2.00 -1.40 -1.30 35.00 35.00 35.00 35.00 36.51 18.30 -10.30 -10.30	PTH -74.159 114 SCALE 0. 343.22800 180.19957 189.50548 194.42446 218.20426 205.12471 192.46191 207.48452 187.35000 232.89485 176.25810 177.77593 186.77449 206.20382 165.70201 203.24302 204.55091 272.90673 272.90873	50  AZ 6.928  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 11-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 20-22 22-23 23-24
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTU DATA PT LAY LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.056.30 3 -7.157 -35.794 1899,915.30 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10989 11 -7.157 -35.794 1899,91530 12 -2.340 -41.809 1917.80551 13 -2.048 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.38911 16 -0.743 -17.1189 2050.08191 17 -6.177 -16.556 2058.49939 18 -12.770 -15.289 2111.76001 19 -20.194 -13.090 2225.77063 20 -29.513 -8.755 2442.95804 21 -28.586 -19.011 2276.18182 22 -28.273 -27.376 2196.30432 23 -28.344 - 35.048 2175.54163 24 -28.749 -42.661 2206.69968	AZS/C -10.7 -27.7 15.0 -55.1 -72.4 -49.1 -17.8 3.6 15.6 15.6 104.2 151.1 -109.4 -99.1 -95.9 -78.4 -60.7 1-47.5 1-38.1 2-26.9 1-13.0 1-26.9 1-13.0 1-26.9 1-13.0 1-26.9 1-13.0 1-26.9 1-13.0 1-26.9 1-13.0 1-26.9 1-2	AZN 7-0 2-2 4-06 8-4 7-1 2-1 2-2 2-3 3-1 7-4 11-4 17-5 2-9-7 11-3 6-8 3-3	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.5 -82.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.4 -77.7 -74.1 -76.8 -80.4 -83.6 -82.9 -83.6 -82.9 -83.6 -82.9 -83.6 -82.8 -83.6 -82.9 -83.6 -82.9 -83.6 -82.9 -83.6	TAB NO  IMPACT 721  AZA 62.3 73.1 51.4 48.4 669.1 83.4 71.6 83.4 71.6 83.4 71.6 83.7 71.6 83.7 71.6 83.7 86.6 83.7 86.6 83.7 85.6 83.8 88.6	22 ALT 1893-52341 94.32930 92.81767 89.29815 90.43894 92.35555 94.93321 96.55223 96.55223 96.55223 97.0470 87.62666 86.68997 91.03054 94.05074 94.05074 95.52802 102.04700 105.77297 102.47202 102.47202 100.97503 100.97509 100.97509 100.97509 195.26143	ATLA:  -3.6  8/89 0.936 0.984 0.936 0.884 0.950 0.859 0.859 0.859 0.951 0.869 0.998 0.951 0.869 0.998 0.951 0.869 0.971 0.689	S PHOTO  LO 96 -34.  AZPHAZ -90.2 -93.2 -85.5 -85.2 -84.7 -90.2 -95.2 -94.8 -90.2 -95.2 -94.8 -90.2 -96.2 -101.0 -100.1 -90.3 -98.6	NO N 975 INCD 70-4 55-3 58-0 665-7 68-0 655-2 45-8 553-4 45-8 771-8 771-7 70-7 71-7 71-7 71-7 71-7 71-7 71-	22  R 3628.979  PHAZ EMIS 38.4 34.8 47.6 20.7 53.2 6.8 47.9 11.5 53.2 6.8 47.9 32.3 53.3 30.6 53.1 18.3 53.7 3.7 53.1 21.2 28.4 10.0 43.1 21.2 37.2 34.0 37.2 47.7 38.2 60.4 68.6 45.6 59.0 46.3 59.0 46.3 58.6 33.5	POD S 1.972 ALPHA 31-1 9.9 -1.4 10.0 21.7 22.1 21.0 7.9 -4.0 -11.4 2-2.2 8.8 20.2 33.9 35.4 36.5 31.3 3.3 -23.6 -16.9	PTH -74.159 114  SCALE 0.  343.22800 264.15602 180.19957 189.50548 194.42446 205.12471 192.46191 207.48452 187.35000 177.77593 186.77449 206.20382 165.70201 207.3823 222.98822 224.55929 202.3572429	50  AZ 6.928  PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 8 8-9 9-10 10-11 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-21 21-22 22-23 23-24 25-25
JULY 31,1964 13 HR 10 MIN 40  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.996 -17.744 2066.19910 2 -13.092 -29.299 1953.056.30 3 -77.157 -35.794 1899.915.30 4 -6.855 -29.807 1911.87892 5 -6.533 -23.516 1962.08076 6 -12.900 -22.685 2007.07243 7 -19.990 -21.354 2103.21164 8 -20.006 -28.562 2041.12912 9 -20.185 -35.325 2025.74257 10 -13.339 -35.566 1940.10389 11 -7.157 -35.794 1899.91530 12 -2.340 -41.809 1917.86551 13 -2.088 -35.993 1895.42368 14 -1.697 -30.131 1907.34398 15 -1.273 -23.977 1956.38911 16 -0.743 -17.189 2050.08191 17 -6.177 -16.556 2058.4939 18 +12.770 -15.289 2111.76001 19 -20.194 -13.090 2225.77063 20 -29.513 -8.755 2442.95804 21 -28.586 -19.011 2276.18182 22 -28.273 -27.376 2196.30432 23 -28.344 -35.068 2175.54163	ALS/C -10.7 -27.7 15.6 -55.1 -72.4 -35.2 -17.8 3.6 15.6 104.2 151.1 -109.1 -99.1 -99.1 -99.1 -38.1 2.6 17.8 -26.9 -26.9	AZN 7-03 2-2 45-6 88-4 7-1 2-1 2-2 2-3 3-7 11-4 28-2 11-1 2-6-8 -3-3 3-1 0-2 29-7 12-3 6-8 -3-3 -3-3 -1 0-2	SEC TU 908.  AZSUN -76.9 -79.2 -80.4 -81.5 -81.3 -77.7 -74.1 -76.8 -80.4 -83.9 -63.6 -82.9 -83.4 -83.5 -91.4 -83.4 -85.5 -91.4 -83.4 -67.4 -83.4 -67.4	IMPACT 721 AZAO 62.31 51.4 48.4 8 69.1 479.9 114.4 26.6 37.0 122.1 14.5 57.7 46.4 26.5 73.9 8.5 69.5 12.1	22 ALT 1893-52341 94.32930 92.61767 89.29815 90.43894 92.35555 94.93321 99.04790 96.55223 95.34922 91.76717 89.29815 87.62666 86.68997 89.14887 91.03054 94.05074 94.05074 95.52802 98.48948 103.39325 112.04700 105.77297 102.47202 100.97503	ATLA:  B/A9 0.936 0.984 0.9884 0.9884 0.9884 0.950 0.8864 0.9984 0.9982 0.9981 0.9984 0.9887 0.9984 0.9887 0.9984 0.9887 0.9984	S PHOTO  100  100  100  100  100  100  100	NO N 975 INCD 70-4 552-2 665-7 68-0 655-2 45-8 557-4 563-5 771-1 80-7 776-8 1772-8 776-9 1772-9 1772-	22  R 3628.979  PHAZ EMIS 47.6 20.7 53.2 6.8 47.9 11.5 53.2 6.8 47.9 32.3 53.2 28.4 42.5 38.2 47.9 32.3 53.1 18.3 53.2 6.8 53.1 18.3 53.7 3.7 3.7 43.1 21.2 37.2 34.0 37.2 47.7 43.3 51.0 48.6 45.6 53.6 45.6 53.9 13.3 53.6 48.4 53.6 48.4 53.6 48.5 58.6 48.5	POD S 1.97 2 ALPHA 10.07 221.10 21.07 -2.08 20.2 33.9 35.4 33.9 35.4 31.3 36.3 -23.6 -13.7 -13.7	PTH -74.159 114 SCALE 0. 343.22800 180.19957 189.50548 194.42446 218.20426 205.12471 192.46191 207.48452 187.35000 232.89485 176.25810 177.77593 186.77449 206.20382 165.70201 203.24302 204.55091 272.90673 272.90873	50  AZ 6.928  PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 7-8 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 20-21 21-22 22-23 22-23 22-23 22-23 22-25 225-26

			_									52
JULY 31,1964 13 HR 10 MIN 45	SEC 199	MS	Ta	AB NO	23	AILA	S PHOTO	NO	23	POD S	EQUENCE NO	52
TRAJECTURY DATA			SEC TO :		ALT 1883.8042	LAT	LO 16 -34.		R 3619-26	V D 1-974	PTH -74.129 11	AZ 6.923
PHOTO DATA												
PT LAT LON RANGE	AZS/C	AZN	AZSUN	AZA	A *				PHAZ EMIS		SCALE	PT-PT
1 -11.987 -17.762 2055.75146		7.0	-76.9	72.8	93.86035				38.4 34.8		0.	0- 1 1- 2
2 -13.091 -29.240 1943.39423	-27.8 14.8	5.4	-79.2	62.2	92.35848		-90.2 -85.5		47.6 20.7 53.2 6.8		340.97593 262.88942	2- 3
3 -7.185 -35.704 1890.20102 4 -6.884 -29.747 1902.34215	-55.l	2.2 4.0	-80.4 -81.5	72.8	89.98774		-85.2		47.9 11.6		179.30462	3- 4
5 -6.564 -23.485 1952.45447		5.7	-82.3	36.5	91.90218		-64.7		42.5 22.2		188.60926	4- 5
6 -12.900 -22.657 1997.31447		8.4	-81.3	48.3	94.47164		-90.2		42.2 28.4		193.49442	5- 6
7 -19.955 -21.332 2092.94833		12.5	-81.3	56.7	98.56464		-95.7		42.5 38.2		217.12361	6- 7
B -19.970 -28.504 2030.99606		7.4	-77.8	69.0	96.07282		-95.2		47.9 32.2		204.16717	7- 8 6- 9
9 -20.146 -35.233 2015.39917 10 13.336 -35.476 1930.25716	3.4 5.5	2.2	-74.1 -76.8	87.2 79.6	94.86212		-94.8 -90.2		53.3 30.5 53.1 18.3		206.40421	9-10
10 13.336 -35.476 1930.25716 11 -7.185 -35.704 1890.20102	14.8	2.2	-80.4	72.8	88.84364		-85.5		53.2 6.8		186.40858	
12 -2.394 -41.688 1907.59824		1.4	-83.6	15.7	87.11023		-82.2		58.9 13.1		231.63921	11-12
13 -2.102 -35.903 1885.60106		2.3	-83.9	62.2	86.23128		-81.6		53.7 3.6		175.28748	
14 -1.752 -30.071 1897.69106		3.1	-83.9	37.1	88.70732		-80.9		48.4 10.0		176.88027	
15 -1.324 -23.947 1946.63954		3.7	-83.6	22.2	90.57632		-80.0 -79.0		43.1 21.2		185.87503 205.20071	
16 -0.802 -17.191 2039.91734 17 -6.210 -16.558 2048.46524		4.1 7.2	-82.9 -82.8	14.6 26.6	93.58346		-79.0		38.0 33.2		164.89566	
18 -12.7/1 -15.295 7101.55652		11.4	-83.4	37.7	98.01355				36.9 39.0		202.27898	
19 -20.157 -13.110 2214.92880		17.5	-85.5	46.4	102.88989				37.2 47.6	35.3	232.54692	
20 -29.421 -8.816 2430.41855		28.1	-91.3	53.2	111.47235				38.2 60.3		304.32947	
21 -28.502 -19.005 2264.73532		19.6	-83.4	62.8	105.24103				43.3 50.9		271.36660 221.90988	
22 -28.189 -27.323 2185.11813		11.1	-77.9 -72.9	73.8 85.7	101.94973				48.6 45.5 53.8 44.0		203.52705	
23 -28.256 -34.950 2164.11884 24 -28.654 -42.513 2194.54031		2.4	-67.5	8.3	100.41778		-98.6	52.2	59.0 46.2	-23.4	201.73042	
25 -20.4/4 -41.909 2041.83105		-3.2	-69.8	8.3	94.75485		-94.4		58.6 33.4		248.33000	
26 -13.637 -41.663 1954.59328		-1.2	-73.8	9.1	91.17056	0.940	-90.1		58.4 22.5		207.21390	25-26
27 -1.478 -41.614 1913.14221		0.3	-78.7	11.5	88.88323		-85.9		58.5 14.6		186.55978	
28 -2.394 -41.688 1907.59824	104.1	1.4	-83.6	15.7	87.11023	r: 993	-82.2	45.9	58.9 13.1	-13.0	153.98618	21-28
20 20377 120101	104.1		-63.0	15.	01.11023	0.,,,	-02.02					
	104.1	1										
				AB NO	24		AS PHOTO		24		SEQUENCE NO	
JULY 31,1964 13 HR 10 MIN 50		MS	1	AB NO	24	ATL	AS PHOTO	NO	24	POD :	SEQUENCE NO	54
		MS	SEC TO	AB NO	24 ALT	ATL	AS PHOTO	NO	24 R	POD :	SEQUENCE NO	D 54
JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA		MS	1	AB NO	24	ATL	AS PHOTO	NO	24 R	POD :	SEQUENCE NO	D 54
JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA PHOTO DATA	SEC 319	MS	SEC TO 898.	AB NO IMPACT 481	24 ALT	ATL	AS PHOTO	NO BN . 896	24 R	POD :	SEQUENCE NO	D 54
JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA	SEC 319	MS	SEC TO	AB NO	24 ALT 1874.0777 A* 93.39178	ATL LA 9 -3. 8/A 0.899	AS PHOTO  T L( 736 -34)  AZPHAZ -93.2	NO 896 INCD 70.3	24 R 3609.53 PHAZ EMIS 38.4 34.1	POD :	PTH -74.099 11 SCALE	AZ 16.918 PT-PT 0-1
JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE 1 -11.978 -17.780 2045.2945 2 -13.090 -29.178 1933.3970	AZS/C -11.0 -28.0	MS AZN 7.0 5.4	SEC TO 898. AZSUN -77.0 -79.2	TAB NO IMPACT 481 AZA 72.7 67.0	ALT 1874.0777 A• 93.39178 91.89966	ATL 9 -3. 8/A 0.899 0.935	AS PHOTO  T L( 736 -34)  AZPHAZ -93.2 -90.2	NO 896 INCD 70.3 59.4	24 R 3609.53 PHAZ EMIS 38.4 34.1 47.6 20.1	POD :	PTH -74.099 1 SCALE 0. 338.67589	AZ 16.918 PT-PT 0-1 1-2
JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA PHUTO DATA PT LAT LON RANGE 1 -11.978 -17.780 2045-29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.013 1880.48328	AZS/C -11.0 -28.0 13.9	MS AZN 7.0 5.4 2.2	SEC TO 898. AZSUN -77.0 -79.2 -80.4	TAB NO IMPACT 481 AZA 72.7 62.0 72.4	ALT 1874.0777 A* 93.39178 91.89966 88.38935	ATL 9 -3. 8/A 0.899 0.935	AS PHOTO  T LI  736 -34.  AZPHAZ  -93.2  -90.2  -85.5	NO 896 INCD 70.3 59.4 52.4	R 3609.53 PHAZ EM15 38.4 34.5 47.6 20.6 53.2 6.6	POD :	PTH -74.099 11 SCALE 0. 338.67589 261.62571	AZ 16.918 PT-PT 0-1 1-2 2-3
JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE 1 -11.978 -17.780 2045.29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.613 1880.4832.484 4 -6.914 -29.606 1892.80804	AZS/C -11.0 -28.0 13.9 -55.2	AZN 7.0 5.4 2.2 4.0	SEC TO 898. AZSUN -77.0 -79.2 -80.4 -81.5	AB NO IMPACT 481 AZA 72.7 62.0 72.4 51.2	ALT 1874.0777 A• 93.39178 91.89966 88.38935 89.53666	ATL/ LA' 9 -3. 8/A 0.899 0.935 6.998 0.984	AS PHOTO  T LI 736 -34.  AZPHAZ -93.2 -90.2 -85.5 -85.2	NO 896 INCD 70.3 59.4 52.4 58.2	R 3609.53 PHAZ EMIS 38.4 34.1 47.6 20.1 53.2 6.8 47.8 11.1	POD :	PTH -74.099 1: SCALE 0. 338.67589 261.62571 178.41038	AZ 16.918 PT-PT 0-1 1-2 2-3 3-4
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JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE 1 -11,978 -17.780 2045.29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.613 1880.48328 4 -6.914 -29.686 1892.86804 5 -6.595 -23.453 1942.83913 6 -12.900 -22.626 1987.77347 7 -19.920 -21.307 2082.71262 8 -19.934 -28.444 2020.87871	AZS/C -11.0 -28.0 13.9 -55.2 -72.2 -49.1 -35.3 -18.1	AZN 7.0 5.4 2.2 4.0 5.7 8.5	SEC TO 898. AZSUN -77.0 -79.2 -80.4 -81.5 -82.3 -81.3 -81.3	TAB NO IMPACT 481  AZA 72.7 62.0 72.4 51.2 36.5 48.3 668.8	ALT 1874-0777 A* 93.39178 91.89966 88.38935 89.53666 91.44931 94.01087 98.08267 95.59414	LA 1.899 0.935 0.984 0.934 0.883 0.793 0.850	AS PHOTO  T LL  736 -34  AZPHAZ  -93.2  -90.2  -85.5  -85.2  -90.2  -95.7  -90.2	NO 896 INCD 70.3 59.4 52.4 58.2 65.7 68.0	R 3609.53 PHAZ EMIS 38.4 34.1 47.6 20.1 53.2 6.8 47.8 11.1 42.5 22.2 42.2 28.4 42.5 38.2 47.9 32.2	POD :  V 3 1.976 ALPHA 31.0 10.0 10.1 21.8 22.2 21.1 8.1	PTH -74.099 1 SCALE 0. 338.67589 261.62571 178.41038 187.71597 192.56698 216.04968 203.21528	AZ 16.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
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JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE 1 -11,978 -17.780 2045.29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.013 1880.48328 4 -6.914 -29.686 1892.86804 5 -6.595 -23.453 1942.83913 6 -12.900 -22.626 1987.57347 7 -19.920 -21.307 2082.7122.8 8 -19.934 -28.444 2020.87871 9 -20.108 -35.138 2005.06351 10 -13.333 -35.384 1920.40521	AZS/C -11.0 -28.0 13.9 -72.2 -49.1 -35.3 -18.1 3.2	AZN 7.0 5.4 4.0 5.7 8.5 12.5 7.4 2.2	SEC TO 898.  AZSUN -77.0 -79.2 -80.4 -81.5 -82.3 -81.3 -77.8 -74.2 -76.9	TAB NO  IMPACT 481  AZA 72.7 62.0 72.4 51.2 36.5 48.3 56.6 68.8 82.9 79.3	ALT 1874.0777 A• 93.39178 91.89966 88.38935 89.53666 91.44931 94.01087 98.08267 95.59414 94.37536 90.83510	ATL/ 8/A 0.8899 0.935 0.9984 0.9843 0.883 0.793 0.860 0.954	AS PHOTO  T L(1 736 -34  AZPHAZ -93.2 -90.2 -85.5 -85.5 -85.2 -95.7 -90.2 -95.7 -90.2	NO .896 INCD 70.3 59.4 58.2 64.3 65.7 68.0 61.4 55.5	R 3609-53 PHAZ EMIS 38-4-34-1 53-2-6-8 47-8-11-1 53-2-6-8 47-8-11-1 42-5-22-28-4 42-5-38-4 47-9-32-6 53-3-3-0-5 53-1-1-8-3	POD:  V 3 1-976 ALPHA 31-0 10-0 1-1-2 10-1 21-8 22-2 21-1 8-1 6-4-4 6-1-8	PTH -74.099 1 SCALE 0. 336.67589 261.62571 178.41038 187.71597 192.56698 216.04968 203.21528 190.57050	AZ 16.918  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10
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JULY 31,1964 13 HR 10 MIN 50  TRAJECTURY UATA  PHOTO DATA PT LAT LON RANGE 1 -11,978 -17.780 2045.29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.613 1880.48328 4 -6.914 -29.606 1892.80804 5 -6.595 -23.453 1942.83913 6 -12.900 -22.626 1987.757347 7 -19.920 -21.307 2082.71262 8 -19.934 -28.444 2020.87871 9 -20.108 -35.138 2005.06351 10 -13.333 -35.384 1920.4052 11 -7.214 -35.613 1880.48328 12 -2.4449 -41.505 1897.3201 13 -2.157 -35.812 1815.77231 14 -1.808 -33.009 1888.03793 15 -1.386 -32.914 1936.89757	AZS/C -11.0 -28.0 13.9 -55.2 -72.2 -72.2 -35.3 -18.1 5.2 13.9 104.0 152.7 1-108.5	MS AZN 7.0 5.4 4.0 5.7 8.5 12.5 12.5 2.2 2.2 1.4 2.3 3.1	SEC TO 898.  AZSUN -77-0 -79-0 -79-0 -80-4 -81-3 -77-8 -74-2 -76-9 -80-4 -83-6 -83-9 -83-9 -83-6 -83-9 -83-6 -83-9 -83-6 -83-9 -83-6 -83-9 -83-6 -83-9 -83-6	TAB NO IMPACT 481  AZA 72.7 62.0 72.4 51.2 36.5 48.3 56.6 82.9 79.3 72.4 14.7 61.9 37.2	ALT 1874-0777 93.39178 91.89966 88.38935 99.53666 91.44931 94.01087 98.08267 95.59414 94.37936 90.83510 88.38935 86.59331 85.77248 88.26642 90.12242	ATLJ  LA* 9 -3-  8/A  0.899 0.935 0.984 0.984 0.983 0.793 0.850 0.954 0.995 0.995 0.995 0.995 0.990 0.900	AS PHOTO  T L(1/36 - 34.  AZPHAZ - 93.2 - 90.2 - 85.5 - 85.2 - 95.7 - 90.2 - 95.7 - 95.2 - 95.7 - 96.8 - 96.6 - 80.9 - 80.9 - 80.9 - 80.9	NO 896 INCD 70.3 59.4 58.2 64.3 65.7 68.0 61.4 55.4 46.0 51.7 57.5 63.6	24 R 3609.53 PHAZ EMIS 38.4 34.1 47.6 20.1 53.2 6.5 42.5 22.2 42.5 38.2 42.5 38.2 42.7 9 32.2 53.3 30.2 53.1 18.5 53.7 3.4 48.4 10.4 43.1 21.4	POD :  V 3 1-976 ALPHA 31.0 10.0 10.1 2 21.8 2 22.2 2 21.1 8 8.1 6 -1.6 8 -1.8 8 -1.2 0 -12.9 6 -2.0 9 -2.0 8 20.2 2 20.8	PTH -74.099 1: SCALE 0. 330.67589 261.62571 178.41038 187.71597 216.04968 203.21528 190.57050 205.32701 185.46811 230.38311 174.31607 175.98506	AZ 16.918 PY-PT 0-11-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
JULY 31,1964 13 HR 10 MIN 50 TRAJECTURY DATA  PHUTO DATA  PT LAT CON RANGE 1 -11.978 -17.780 2045.29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.013 1880.48328 4 -6.914 -29.686 1892.86804 5 -6.595 -23.453 1992.86801 6 -12.900 -22.626 1987.57347 7 -19.900 -21.307 2082.71262 8 -19.934 -28.444 2020.87871 9 -20.108 -35.138 2005.06351 10 -13.333 -35.384 1920.40521 11 -7.214 -35.613 1880.8328 12 -2.449 -41.555 1897.2011 13 -2.157 -35.812 1875.77231 14 -1.808 -30.009 1888.03793 15 -1.386 -23.914 1936.89757 15 -1.386 -23.914 1936.89757 15 -0.862 -17.192 2029.77211	AZS/C -11.0 -28.0 13.9 -55.2 -49.1 3.2 18.1 3.2 13.9 15.2 15.9 15.7 15.7	MS AZN 7.04 2.2 4.07 8.55 12.5 7.42 2.22 2.23 11.3	SEC TO 898.  AZSUN -77.0 -79.2 -80.4 -81.5 -82.3 -81.3 -77.8 -74.2 -76.9 -83.6 -83.6 -83.6 -82.8	TAB NO IMPACT 481  AZA 72.7 67.0 72.4 236.5 48.3 56.6 68.8 82.9 77.4 14.7 37.2 22.4 14.7	ALT 1874-0777 93.39178 98.38935 89.53666 91.44931 94.01087 95.59414 94.37536 80.83510 88.38935 86.5931 85.77248 88.26642 90.12242 90.12242 93.11701	ATLJ	AS PHOTO  T 736 -34  AZPHAZ -93.2 -90.2 -85.5 -85.5 -85.7 -90.2 -95.7 -90.2 -95.7 -90.2 -85.6 -90.7 -90.7 -90.7 -90.7 -90.7 -90.7 -90.7	NO 896 INCD 70.3 59.4 58.2 64.3 65.7 68.0 55.4 55.4 55.5 52.4 61.7 67.5 63.6	24  R 3609.53  PHAZ EMIS 38.4 34.7 47.6 20.1 53.2 6.6 47.8 11.1 42.5 22.2 42.2 28.4 42.5 38.4 47.9 32.6 53.1 18.5 53.2 6.6 53.3 30.7 3.4 43.1 21.3 48.4 10.4 43.1 21.3 88.0 33.3	POD:  V 3 1-976 ALPHA 7 31-0 1 10-1 2 11-8 2 22-2 2 11-1 8 -1 8 -1-8 3 -1-2 9 -12-9 9 -2-0 1 9-0 2 32-1	PTH -74.099 1 SCALE 0. 338.67589 261.62571 178.41038 187.71597 192.56698 216.04698	AZ 16.918 PT-PT 0-1 1-22-3 3-4-5-6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15
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JULY 31,1964 13 HR 10 MIN 50  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.978 -17.780 2045.29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.613 1800.4832.80804 5 -6.595 -23.453 1942.8931 6 -12.900 -22.626 1987.75347 7 -19.920 -21.307 2082.71262 8 -19.934 -28.444 2020.87871 9 -20.108 -35.138 2005.06351 10 -13.333 -35.384 1920.4032 11 -7.214 -35.613 1880.48328 12 -2.449 -41.565 1897.32011 13 -2.157 -35.812 1875.77231 14 -1.808 -30.009 1888.03793 15 -1.386 -23.914 1936.89757 16 -0.862 -17.192 2029.77211 17 -6.242 -16.558 2038.4550 18 -12.772 -15.299 2091.38501	AZS/C -11.0 -24.0 13.9 -55.2 -72.2 -49.1 -35.3 -18.1 3.2 5.2 13.9 104.0 152.7 1-108.5 -98.6 -78.6 -78.6	MS AZN 7.0 4.2 4.0 7.8 8.5 5.1 2.2 2.2 2.2 2.3 3.7 4.1 2.5 11.5	SEC TO 898.  AZSUN -77-0 -79-2 -80.4 -81.3 -81.3 -81.3 -77.2 -76.9 -80.4 -83.6 -83.6 -83.8 -83.6 -82.8 -83.6 -83.8 -83.6 -83.8 -83.6 -83.8 -83.6 -83.8 -83.6 -83.8	TAB NO IMPACT 481 AZA 72.7 62.0 72.4 236.5 48.3 72.4 26.6 88.9 87.3 72.4 61.9 37.2 44.7 26.8	24  ALT 1874.0777  A* 93.39178 91.89966 88.38935 89.53666 91.44931 94.01087 98.08267 95.5941 85.77248 88.26642 90.12242 90.12242 91.1701 94.59678	ATL/  LA* 9 ~3-  8/A 0.8935 0.9984 0.934 0.883 0.793 0.869 0.984 0.9982 1.000 0.982 1.000 0.982 0.984 0.984 0.984 0.984 0.984 0.984 0.998	AS PHOTO  T 1/36 -34.  AZPHAZ -93.2 -90.2 -85.5 -85.7 -90.2 -94.8 -90.2 -85.7 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2 -94.9 -90.2	NO 896 INCD 70-3 52-4 58-2 68-3 65-7 68-0 55-4 55-4 55-5 46-0 71-5 71-1 72-8	24  R 3609.53  PHAZ EMIS 38.4 34.1 47.6 20.1 53.2 6.8 47.8 11.1 42.5 22.2 42.2 28.4 47.9 32.2 53.3 30.5 53.1 18.3 53.2 6.8 58.9 13.6 58.9 13.6 38.0 33.3 37.2 34.3 36.9 39.9	POD:  V 3 1.976 ALPHA 3 1.0 1 10.1 2 1.8 2 22.2 2 21.1 8.1 6 -1.8 8 -1.2 9 -12.9 6 -2.0 1 9.0 2 9.2 2 32.1 1 33.9 3 35.0	PTH -74.099 1 SCALE 0. 338.67589 261.62571 178.41038 187.71597 192.56698 216.04698	AZ 16.918 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 11-16 15-16 15-16
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JULY 31,1964 13 HR 10 MIN 50  TRAJECTURY DATA  PHUTO DATA  PT LAT CON RANGE 1 -11,978 -17,780 2045,29455 2 -13,090 -29,178 1933,73970 3 -7,214 -35,613 1880,48328 4 -6,914 -29,686 1892,86806 5 -6,595 -23,453 1942,8913 6 -12,900 -22,626 1987,57347 7 -19,920 -21,307 2082,71262 8 -19,934 -28,444 2020,87871 10 -13,333 -35,384 1920,80871 10 -13,333 -35,384 1920,80871 11 -7,214 -35,613 1880,4832 12 -2,449 -41,505 1897,32011 13 -2,157 -35,812 1875,77231 14 -1,808 -30,009 1888,03793 15 -1,386 -23,914 1936,89757 15 -1,386 -23,914 1936,89757 16 -0,862 -17,1192 2029,77211 17 -6,242 -16,558 2038,45462 18 -12,772 -15,-99 2091,38501 19 -20,122 -13,126 2204,13571 19 -20,122 -13,126 2204,13571 21 -28,419 -18,996 2253,34012 22 -28,107 -7,268 2173,9465 23 -28,170 -34,850 2152,71825 24 -28,560 -42,363 2182,39905 25 -20,432 -41,776 2030,92586	AZS/C -11.0 -28.0 13.9 -55.2 -72.2 -49.1 -35.3 -16.1 3.2 13.9 104.0 152.7 -78.2 -60.7 -78.2 -60.7 -78.2 -35.3 -35.3 -37.1 -35.3 -37.1 -37.2 -37.	AZN 7.00 5.4 2.2 4.07 8.5 5 12.5 12.5 12.5 12.5 12.5 17.6 2.2 2.2 2.2 2.2 2.3 3.1 7.2 11.5 17.5 21.6 17.5	SEC 10 898. AZSUM -77.0 -79.2 -80.4 -81.5 -81.3 -81.3 -71.8 -74.2 -76.9 -80.4 -83.9 -83.9 -83.9 -83.6 -83.6 -83.6 -83.6 -83.6	AB NO IMPACT 481  AZA 72.0 72.4 236.5 46.6 82.9 79.3 72.4 14.7 261.9 222.4 24.7 26.6 83.8 83.8 83.8 83.8 83.8 83.8 83.8 8	ALT 1874-0777 A* 93.39178 91.89966 88.38935 89.53666 91.4493 94.01087 98.08267 95.59414 94.37536 80.383510 88.38935 80.7228 88.26642 90.12242 90.12242 90.12242 101.90209 102.38878 110.90209 104.71147 101.42892 99.91614	ATLJ  LA* 0.899 0.993 0.993 0.993 0.993 0.993 0.993 0.995 0.995 0.995 0.995 0.995 0.995 0.997 0.685 0.995	AS PHOTO  T L(1736 -34  AZPHAZ -93.2 -90.2 -85.5 -85.2 -94.1 -90.2 -94.4 -90.7 -90.2 -91.6 -80.9 -84.1 -90.2	NO 1NC D 3896 1NC D 359.4 58.2 66.7 68.0 66.7 67.5 67.6 67.6 67.6 67.6 64.6 64.7 64.6 64.7 64.7	24 3609.53 PHAZ EMIS 38.4 34.1 47.6 20.1 53.2 6.8 47.8 11.1 42.5 22.2 42.2 28.4 42.5 38.4 42.7 932.5 53.3 30.5 53.1 18.5 53.2 6.8 53.3 30.2 64.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.6 10.1 37.2 47.1 38.2 60.4 43.3 50.4 43.3 50.4 53.8 43.5 53.8 43.5 59.0 46.5 58.6 63.5 58.4 22.5	POD:  ALPHA 31.00 10.01 10.01 10.02 10.12 10.13 10.01	PTH -74.099 1:  SCALE 0. 338.67589 261.62571 178.41038 187.71597 1792.56698 218.04968 203.21528 190.57050 205.32701 185.46811 174.31607 175.98506 184.97805 204.20409 164.09130 201.31967 231.38125 302.39681 269.85924 202.39681 269.855924 202.55349	AZ 16.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 14-15-16 18-19 19-20 21-22 21-22 21-22 22-23 22-24 22-25 22-25
JULY 31,1964 13 HR 10 MIN 50  TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -11.978 -17.780 2045.29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.613 1880.48328 4 -6.914 -29.606 1892.86804 5 -6.595 -23.453 1942.89119 6 -12.900 -22.626 1987.57347 7 -19.920 -21.307 2082.71262 8 -19.934 -28.454 2020.87871 9 -20.108 -35.138 2005.06351 10 -13.333 -355.384 1920.6052 11 -7.214 -35.613 1880.48328 12 -2.449 -41.505 18877.32011 13 -2.157 -35.812 1875.77231 14 -1.808 -30.009 1888.03793 15 -1.386 -23.914 1936.89757 16 -0.862 -17.1192 2029.77211 17 -6.242 -16.558 2038.45462 18 -12.772 -15.29 2091.38501 19 -20.122 -13.126 2204.13571 20 -29.330 -8.471 2417.97482 21 -28.107 -27.268 2173.96422 23 -28.170 -34.850 2152.71825 24 -28.560 -42.363 2182.39962 25 -20.432 -41.776 2030.92586 26 -13.632 -41.537 1944.26673 27 -7.505 -4.491 1902.96452	AZS/C -11.0 -28.0 13.9 -55.2 -72.2 -49.1 -35.3 -18.1 3.2 13.9 104.0 152.7 -78.2 -68.2 -78.	AZN 7.00 5.4 4.07 5.7 8.5 5.7 4.2.2 2.2 2.2 1.5 28.0 611.2 5.8 11.5 5.8 11.5 5.8 11.5 5.8 11.2 11.5 5.8 11.2 11.5 5.8 11.2 11.5 5.8 11.2 11.5 5.8 11.2 11.5 5.8 11.2 11.5 5.8 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11	SEC 10 698. AZSUM -77.0 -79.2 -80.4 -81.5 -81.3 -81.3 -81.3 -77.8 -74.9 -80.4 -83.9 -83.9 -83.9 -83.6 -8	TABLE NO IMPACT 481 AZA 72.7 67.0 72.7 67.0 68.8 82.9 37.2 44.7 61.9 37.2 22.4 72.4 66.4 8.1 8.3 65.8 81.8 81.8 81.9 81.9 81.9 81.9 81.9 81	ALT 1874-0777 A. 93.39178 98.38935 89.53666 91.44931 94.01087 95.59614 94.37536 80.38510 88.38935 86.59318 85.77248 88.26642 90.12242 90.12242 91.1701 94.59678 102.38878 102.38878 103.38878 104.71147 101.42692 99.916126 99.96126 99.66176 99.96126 99.66176 99.66176 99.66176 90.68791 88.41055	LA**  LA**  9 -3.*  8 /89  9 -3.*  8 /89  0 /934	AS PHOTO  T L(1736 - 34  AZPHAZ - 93.2 - 90.2 - 85.5 - 2 - 94.1 - 99.2 -	NO INC D 1NC D 70.3 52.4 56.3 55.4 56.3 65.7 56.3 65.7 71.1 72.8 71.6 61.4 6.0 64.5 70.3 71.1 72.8 71.6 64.5 71.6 64.5 71.6 71.6 71.6 71.6 71.6 71.6	24  R 3609.53  PHAZ EMIS 38.4 34.1 47.6 20.1 53.2 6.6 47.8 11.1 42.5 22.2 42.2 28.4 42.5 38.3 47.9 32.2 53.3 18.5 53.7 3.4 53.9 13.0 53.7 3.4 8.4 10.4 43.1 21.3 37.2 34.3 37.2 34.3 37.2 34.3 37.3 36.9 39.0 37.2 34.5 53.8 60.3 58.6 33.5 58.6 33.5 58.6 33.5 58.6 33.5	POD:  ALPHA 31.00 10.01 10.02 10.12 10.12 10.13 10.02 10.13 10.03	SEQUENCE NO PTH -74.099 1 SCALE 0. 338.67589 261.62571 176.41038 216.049688 216.04968 216.04968 216.04968 216.04968 216.04968 216.04968 216.04968 216.04968 216.04968 216.04968 216.04968 216	AZ 16.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9 9-10 10-11 13-14 14-15 15-16 16-17 17-18 18-18 18-19 19-20 20-21 21-2-3 21-3 2
JULY 31,1964 13 HR 10 MIN 50  TRAJECTURY UATA  PHOTO DATA PT LAT LON RANGE 1 -11,-78 -17.780 2045.29445 2 -13.090 -29.178 1933.73970 3 -7.214 -35.613 1880.48328 4 -6.914 -29.686 1892.80804 5 -6.595 -23.453 1942.03913 6 -12.900 -22.626 1997.77347 7 -19.920 -21.307 2082.71262 8 -19.934 -28.444 2020.87871 9 -20.108 -35.138 2005.06351 10 -13.333 -35.3384 1922.005.06351 11 -7.214 -35.613 1880.48328 12 -2.449 -41.555 1897.32011 13 -2.157 -35.812 1875.77231 14 -1.884 -30.009 1888.03739 15 -1.386 -23.914 1936.89757 16 -0.862 -17.192 2029.77211 17 -6.242 -16.558 2038.45462 18 -12.772 -15.299 2091.38501 19 -20.122 -13.126 2204.13571 20 -29.330 -8.871 2417.79428 21 -28.419 -18.996 225.34012 22 -28.107 -27.268 2173.96426 23 -28.107 -34.850 2152.71826 24 -28.560 -4.26.363 2182.3990 25 -20.432 -41.776 2030.9258 26 -13.632 -41.577 2030.9258 26 -13.632 -41.577 2030.9258	AZS/C -11.0 -28.0 13.9 -55.2 -72.2 -49.1 -35.3 18.1 3.2 13.9 10.9 152.7 -78.2	AZN 7.00 2.2 4.07 5.4 4.07 8.5 12.5 12.5 12.5 12.5 17.5 2.2 2.2 1.4 4.1 7.2 11.4 7.5 2.6 19.6 6.5 1.7 5.0 19.6 6.5 1.2 5.1 1.2 5.1 11.2 11.2 11.2 11.2 1	SEC 10 698. AZSUN -77-0 -79-2 -80-4 -81-5 -82-3 -81-3 -77-8 -74-2 -76-9 -83-9 -8	IMPACT 481 AZA 72-7 62-0 72-4 51-2 36-5 46-4 72-4 72-4 72-7 72-4 72-7 72-4 72-7 72-4 72-7 72-4 72-7 72-4 72-7 72-4 72-7 72-4 73-6 82-7 36-8 82-9 37-2 4-7 72-4 73-2 73-6 83-1 83-0 8-7 8-0 8-0 8-7 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0	ALT 1874.0777 A* 93.39178 91.89966 88.38935 89.53666 91.44931 94.01087 95.59414 94.37536 80.38267 90.8351 80.26942 93.11701 94.59678 97.53908 110.90209 94.71147 101.42892 94.24836 94.24836 94.24836	LA**  LA**  9 -3.*  8 /89  9 -3.*  8 /89  0 /934	AS PHOTO  T L(1736 - 34  AZPHAZ - 93.2 - 90.2 - 85.5 - 2 - 94.1 - 99.2 -	NO INC D 1NC D 70.3 52.4 56.3 55.4 56.3 65.7 56.3 65.7 71.1 72.8 71.6 61.4 6.0 64.5 70.3 71.1 72.8 71.6 64.5 71.6 64.5 71.6 71.6 71.6 71.6 71.6 71.6	24 3609.53 PHAZ EMIS 38.4 34.1 47.6 20.1 53.2 6.8 47.8 11.1 42.5 22.2 42.2 28.4 42.5 38.4 42.7 932.5 53.3 30.5 53.1 18.5 53.2 6.8 53.3 30.2 64.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.4 10.1 38.0 33.3 48.6 10.1 37.2 47.1 38.2 60.4 43.3 50.4 43.3 50.4 53.8 43.5 53.8 43.5 59.0 46.5 58.6 63.5 58.4 22.5	POD:  ALPHA 31.00 10.01 10.02 10.12 10.12 10.13 10.02 10.13 10.03	SEQUENCE NO PTH -74.099 1 SCALE 0. 338.67589 261.62571 176.41038 216.04968 216.	AZ 16.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9 9-10 10-11 13-14 14-15 15-16 16-17 17-18 18-18 18-19 19-20 20-21 21-2-3 21-3 21-

				RA-VII	CAMER	A FA							13
JULY 31+1964 13 HR	10 MIN 55	SEC 439	MS	1	TAB NO	25	ATL	AS PHOTO	NO NO	25	POD S	SEQUENCE NO	56
TRAJECTURY DATA				SEC TO		ALT	LA		ON	R	٧	PTH	AZ
PHOTO DATA				893.	361	1864.3435	1 -3.	756 -34	.857	3599.799	1.978	-74.069 11	6.913
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	R/A	AZPHAZ	INTO	PHAZ EMIS	AL DUA	SCALE	PT-PT
1 -11.969 -17.798	2034-82758	-11.2	7.0	-77.0	72.5	92.92280			70.3	38.5 34.7	31.0	0.	0- 1
2 -13.090 -29.117	1924.07603	-28.1	5.4	-79.2	61.9	91.44040		-90.2	59.5	47.6 20.8	10.1	336.37729	1- 2
	1870.76013	13.1	2.2	-80.4	72.1	87.93505		-85.5		53.2 6.8	-1.1		2- 3
	1933.21388	-55.2 -72.2	4.0 5.7	-81.5 -82.3	51.1 36.5	89.08521 90.99598		-85.2 -84.7		47.8 11.7	10.2	177-51571	3- 4
6 -12.901 -22.596	1977.82115	-49.1	8.5	-81.3	48.2	93.54957		-90.2		42.5 22.3 42.2 28.5	21.8	186.82157 191.63833	4- 5 5- 6
7 -19.885 -21.283	2072.46469	-35.4	12.5	-81.3	56.5	97.60014				42.5 38.2	21.1	214.97428	6- 7
8 -19 899 -28 384 9 -20 070 -35 044	2010.75162	-18.2	7.4	-77.9	68.7	95.11500				47.9 32.2	8.1	202.26189	7- 8
10 -13.331 -35.292	1994.72154 1910.54691	3.0 5.0	2.3	-74.3 -76.9	82.7 79.0	93.88832				53.3 30.5	-4.3	189.62535	8- 9
11 -7.243 -35.522	1870.76013	13.1	2.2	-80.4	72.1	87.93505				53.0 18.3 53.2 6.8	-1.7 -1.1	204.24940 184.52683	9-10
12 -2.504 -41.442	1887.04205	103.8	1.4	-83.5	13.6	86.07752				58.9 12.8		229.12807	
13 -2.212 -35.721	1865.91974	153.5	2.3	-83.8	61.5	85.31394			51.8	53.7 3.4	-1.9	173.34566	12-13
14 -1.864 -29.948 15 -1.444 -23.882	1878.37845 1927.14732	-108.0 -98.6	3.1 3.7	-83.8	37.2	87.82534				48.4 10.1	9.0	175.08954	
16 -0.921 -17.192	2019.61729	-95.6	4.2	-83.5 -82.8	22.5 14.9	89.66815 92.65014		-80.0 -/9.0		43.1 21.3 38.0 33.2	20.3 32.1	184.08005	
17 -6.275 -16.558	2028.43240	-78.2	7.2	-82.8	26.7	94-13116		-84.2		37.2 34.1	33.9	163.28624	
18 -12.773 -15.304	2081.20026	-60.6	11.5	-83.4	37.8	97.06400		-90.2	72.8	36.9 39.0	35.0	200.35895	
	2193.32849	-47.5	17.5	-85.5	46.4	101.88702		-96.3		37.2 47.6	35.3	230.21398	
	2405.52191 2211.93437	-38.2 -27.1	27.9 19.5	-91.2 -83.4	53.1 62.7	110.33140				38.2 60.1	36.3	300.46758	
	2162.80246	-13.3	11.2	-78.0	13.5	100.90114		100.1	64.5	43.3 50.8 48.6 45.4	18.4	268.35220 219.77264	
23 -28.083 -34.751	2141.31451	2.2	2.6	-73.1	85.4	99.38610		-99.3		53.8 43.8	-9.8	201.48/40	
24 -28.466 -42.214 25 -20.389 -41.643	2170.26328	17.4	-6.4	-67.8	7.8	99.30501		-98.6		59.0 46.0	-23.0	199.37960	23-24
	2020.01941 1933.89790	23.5 35.3	-3.1 -1.1	-70.1 -73.9	7.8 8.3	93.74181		-94.4 -90.1		58.6 33.2		245.12961	
	1892.78551	62.3	0.3	-78.7	10.2	87.93780		-85.9		58.4 22.4 58.5 14.4		204.92807 184.60033	
28 -2.504 -41.442	1887.04205	103.8	1.4	-83.5	13.6	86.07752		-82.2		58.9 12.8		152.34573	
												_	
				7	TAB NO	26	ATL	AS PHOTO	NO	26	POD 9	FOLIENCE NO	50
JULY 31,1964 13 HR	11 MIN 0	SEC 559	MS	1	TAB NO	26	ATL	AS PHOTO	NO	26	POD S	EQUENCE NO	58
JULY 31,1964 13 HR	11 MIN 0	SEC 559		SEC TO	IMPACT	ALT	LA <sup>-</sup>	T L	ON	R	٧	PTH	AZ
TRAJECTURY DATA	11 MIN 0	SEC 559			IMPACT		LA	T L	ON	R	٧	•	AZ
TRAJECTURY DATA PHOTO DATA PT LAT LON	RANGE	SEC 559		SEC TO	IMPACT	ALT 1854.59976	LA'	T L: 776 -34	ON .817	R 3590.055	V 5 1.980	PTH -74.039 11	AZ 6.908
TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -11.960 -17.816	RANGE 2024.34914	AZS/C -11.4	AZN 7.0	SEC TO 888. AZSUN -77.0	IMPACT 240 AZA 72.3	ALT 1854.59976 A+ 92.45263	LA 5 -3. 8/A 0.899	T L: 776 -34 AZPHAZ -93.2	0N .B17 INCD	R	V 1.980	PTH	AZ
TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -11.960 -17.816  2 -13.088 -29.058	RANGE 2024.34914 1914.38814	AZS/C -11.4 -28.3	AZN 7.0 5.4	SEC TO 888. AZSUN ~77.0 ~79.3	IMPACT 240 AZA 72.3 61.7	ALT 1854.59976 A• 92.45263 90.97999	LA 5 -3. 8/A 0.899 0.935	T L: 776 -34 AZPHAZ -93.2 -90.2	ON .817 INCD 70.3 59.6	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8	V 5 1.980 ALPHA 31.0 10.1	PTH -74.039 11 SCALE 0. 334.11457	AZ 6.908 PT-PT 0- 1 1- 2
TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433	RANGE 2024-34914 1914-38814 1861-02806	AZS/C -11.4 -28.3 12.3	AZN 7.0 5.4 2.2	SEC TO 888. AZSUN -77.0 -79.3 -80.4	IMPACT 240 AZA 72.3 61.7 71.7	ALT 1854.59976 A* 92.45263 90.97999 87.48037	B/A 0.899 0.935 0.998	T L: 776 -34  AZPHAZ -93.2 -90.2 -85.5	ON .817 INCO 70.3 59.6 52.5	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9	V 5 1.980 ALPHA 31.0 10.1 -1.0	PTH -74.039 11 SCALE 0. 334.11457 259.09102	AZ 6.908 PT-PT 0-1 1-2 2-3
PHOTO DATA PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.458 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390	RANGE 2024-34914 1914-38814 1861-02806 1873-76653 1923-56198	AZS/C -11.4 -28.3	AZN 7.0 5.4	SEC TO 888. AZSUN ~77.0 ~79.3	IMPACT 240 AZA 72.3 61.7	ALT 1854.59976 A• 92.45263 90.97999	B/A 0.899 0.935 0.998 0.983	T L: 776 -34 AZPHAZ -93.2 -90.2	ON .817 INCO 70.3 59.6 52.5 58.3	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8	V 5 1.980 ALPHA 31.0 10.1 -1.0 10.3	PTH -74.039 11 SCALE 0. 334.11457 259.09102 176.61950	AZ 6.908 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567	RANGE 2024.34914 1914.38814 1861.02806 1873.70653 1923.56198 1968.03415	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2	AZN 7.0 5.4 2.2 4.0 5.7 8.5	SEC TO 888. AZSUN -77.0 -79.3 -80.4 -81.5 -82.2 -81.3	IMPACT 240 AZA 72.3 61.7 71.7 51.0 36.6 48.2	ALT 1854.59976 A* 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664	LA 5 -3. 8/A 0.899 0.935 0.983 0.983	T 1776 -34 AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2	ON .817 INCO 70.3 59.6 52.5 58.3 64.4 65.8	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3	V 5 1.980 ALPHA 31.0 10.1 -1.0	PTH -74.039 11 SCALE 0. 334.11457 259.09102	AZ 6-908 PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260	RANGE 2024-34914 1914-38814 1861-02806 1873-76653 1923-56198 1968-03415 2062-17133	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5	AZN 7.0 5.4 2.2 4.0 5.7 8.5	SEC TO 888. AZSUN -77.0 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4	IMPACT 240 AZA 72.3 61.7 71.7 51.0 36.6 48.2 56.5	ALT 1854-59976 A• 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547	B/A 0.899 0.935 0.983 0.983 0.983 0.983	T L: 776 -34 AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7	ON .817 INCD 70.3 59.6 52.5 58.3 64.4 65.8 68.0	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.2 28.5 42.5 38.2	V 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.2 21.2	PTH -74.039 11 SCALE 0. 334.11457 259.09102 176.61950 185.92278 190.70510 213.89083	AZ 6.908 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326	RANGE 2024.34914 1914.38814 1861.02806 1873.70653 1923.56198 1968.03415 2062.17133 2000.59209	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3	AZN 7.0 5.4 2.2 4.0 5.7 8.5 12.5 7.5	SEC TO 888. AZSUN -77.0 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4	IMPACT 240 AZA 72.3 61.7 71.7 51.0 36.6 48.2 56.5 68.5	ALT 1854.59976 A* 92.45263 90.97999 88.63293 90.54140 93.08664 97.11547 94.63434	LA' 8/A 0.899 0.935 0.983 0.983 0.983 0.793	T L: 776 -34 AZPHAZ -93.2 -85.5 -85.2 -84.7 -90.2 -95.7 -90.2	ON .817 INCD 70.3 59.6 52.5 58.3 64.4 65.8 68.0 61.5	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.2 28.5 42.5 38.2 47.9 32.2	V 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.2 21.2 8.2	PTH -74.039 11 SCALE 0. 34.11457 259.09102 176.61950 185.92278 190.70510 213.89083 201.30117	AZ 6-908 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951	RANGE 2024.34914 1914.38814 1861.02806 1873.76653 1923.56138 1968.03415 2062.17133 2000.59209 1984.35818	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 2.9	AZN 7.0 5.4 2.2 4.0 5.7 8.5 12.5 7.5 2.3	SEC TO 888. AZSUN -77.0 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4 -77.9	IMPACT 240 AZA 72.3 61.7 71.7 51.0 36.6 48.2 56.5 82.5	ALT 1854-59976 A* 92-45263 90-97999 87-48037 88-63293 90-54140 93-08664 97-11547 94-63434 93-40028	LA 8/A 0.899 0.935 0.998 0.983 0.934 0.683 0.793 0.870	T L' 776 -34  AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.8	ON .817 INCO 70.3 59.6 52.5 58.3 64.4 658.0 61.5	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.2 28.5 42.5 38.2 47.9 32.2 47.9 32.2	V 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.2 21.2 8.2 -4.2	PTH -74.039 11 SCALE 034.11457 259.09102 176.61950 185.92278 190.70510 213.89083 201.30117 188.67718	AZ 6.908 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433	RANGE 2024.34914 1981.38814 1981.02806 1873.70653 1923.56198 1968.03415 2000.59209 1984.35818 1900.67372 1861.02806	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3	AZN 7.0 5.4 2.2 4.0 5.7 8.5 12.5 7.5	SEC TO 888. AZSUN -77.0 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4	IMPACT 240 AZA 72.3 61.7 71.7 51.0 36.6 48.2 56.5 68.5	ALT 1854.59976 A* 92.45263 90.97999 88.63293 90.54140 93.08664 97.11547 94.63434	8/A U-899 0.935 0.998 0.983 0.983 0.983 0.883 0.793 0.8870 0.870	T L: 776 -34 AZPHAZ -93.2 -85.5 -85.2 -84.7 -90.2 -95.7 -90.2	ON .817 INCD 70.3 59.6 52.5 58.3 64.4 65.8 68.0 61.5 55.5 53.7	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.2 28.5 42.5 38.2 47.9 32.2	V 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.2 21.2 8.2	PTH -74.039 11 SCALE 0.334.11457 259.09102 176.61950 185.92278 190.70510 201.30117 188.67718 203.16750	AZ 16-908 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9
TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320	RANGE 2024-34914 1914-38814 1861-02806 1873-7C653 1923-56198 1968-03415 2000-59209 1984-35818 1900-67372 1861-02806	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 2.9 4.7 12.3 103.7	AZN 7.0 5.4 2.2 4.0 5.7 8.5 12.5 7.5 2.3 2.2 1.4	SEC TO 888.  AZSUN -77.0 -79.3 -80.4 -81.3 -81.4 -77.9 -74.3 -76.9 -80.4 -83.5	IMPACT 240 AZA 72.3 61.7 51.0 36.6 48.2 56.5 82.5 78.8 71.7	ALT 1854.59976 A. 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 85.56384	B/A 0.993 0.993 0.983 0.983 0.983 0.983 0.870 0.870 0.870 0.998	T 1776 -34 AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -95.7 -95.2 -94.8 -90.2 -85.5	ON .817 INCD 70.3 59.6 52.5 58.3 64.4 65.8 68.0 61.5 55.7 52.5 46.3	R 3590.055 PHAZ EMIS 38.5 34.7 34.6 20.8 53.2 6.9 47.6 11.8 42.5 22.3 42.5 22.3 42.5 38.2 47.9 32.2 47.9 32.2 53.3 30.4 53.0 18.3 53.2 6.9 53.9 12.7	V 5 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.2 21.2 8.2 -4.2 -1.6	PTH -74.039 11 SCALE 034.11457 259.09102 176.61950 185.92278 190.70510 213.89083 201.30117 188.67718	AZ 6-908 PT-PT 0-1 1-2-3 3-4 4-5 6-7 7-8 8-9 9-10
PHOTO DATA  PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 3 -2.266 -35.631	RANGE 2024-34914 1914-38814 1861-02806 1873-70653 1923-56198 1968-03415 2000-59209 1984-35818 1990-67372 1861-02806 1876-77008	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 2.9 4.7 12.3 103.7 154.4	AZN 7.0 5.4 2.2 4.0 5.5 7.5 2.3 2.2 2.2 2.2	SEC TO 888.  AZSUN -77.0 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4 -77.9 -74.3 -76.9 -80.4 -83.5 -83.8	IMPACT 240 AZA 72-3 61-7 71-7 51-0 48-2 56-5 68-5 78-8 71-7 12-6 61-2	ALT 1854.59976 Ae 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 85.56384 84.85584	LA* 5 -3.* 8/A U.899 C.935 O.998 U.998 U.934 O.683 U.793 U.850 O.870 O.9754 O.998	T L: 776 -34  AZPHAZ -93.2 -90.2 -85.5 -85.2 -85.2 -95.7 -95.2 -95.2 -94.8 -90.2 -81.6	ON .817 INCD 70.3 59.6 52.5 58.3 64.4 65.8 68.0 55.5 53.7 52.5 4.6	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.5 38.2 47.9 32.2 53.3 30.4 53.0 18.3 53.2 6.9 58.9 12.7	V 5 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.2 21.2 8.2 -1.6 -1.0 -1.8	PTH -74.039 11 SCALE 0. 334.11457 259.09102 176.61950 185.92278 190.70510 213.89083 201.30117 188.67718 203.16750 183.58335 227.87485	AZ 6.908 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
PHOTO DATA PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 4 -1.919 -29.887	RANGE 2024-134914 1914-38814 1861-02806 1873-76653 1923-56198 1968-03415 2000-59209 1984-35818 1990-67372 1861-02806 1876-77008 1856-10361	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 2.9 4.7 12.3 103.7 154.4 -107.6	AZN 7.0 5.4 2.0 5.7 8.5 12.5 7.5 2.2 2.2 2.2 1.4 2.3	SEC TO 8888.  AZSUN -77-0 -79-3 -80-4 -81-5 -82-2 -81-3 -74-9 -74-3 -76-9 -83-5 -83-8 -83-8	IMPAC1 240 AZA 72.3 61.7 71.7 36.6 48.2 56.5 82.5 871.7 12.6 61.2	ALT 1854.59976 Ae 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 85.56384 84.85584 87.38343	LA* 8/A 0.889 0.935 0.998 0.983 0.793 0.850 0.870 0.954 0.998	T 1. 1. 1776 -34  AZPHAZ -93.2 -90.2 -85.5 -85.2 -95.7 -90.2 -94.8 -90.2 -82.2 -81.6 -80.9	ON .817 INCD 70.3 59.6 52.5 64.4 65.8 68.0 615.5 53.7 52.5 46.3 51.9	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 47.8 11.8 42.5 22.3 42.5 22.3 42.5 33.3 30.4 42.5 33.2 6.9 53.2 6.9 53.2 6.9 53.3 18.3 53.2 6.9 53.7 3.3	V 5 1.980 ALPHA 31.0 10.1 -1.0 21.8 22.2 8.2 -4.2 -1.6 -1.0 -12.6 -1.8	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-01950 185-92278 190-70510 123-89908 201-30117 188-6-7718 203-16-750 183-58335 272-87485 172-37714	AZ 16-908 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851	RANGE 2024-134914 1914-38814 1861-02806 1873-76653 1923-56198 1968-03415 2000-59209 1984-35818 1990-67372 1861-02806 1876-77008 1856-10361	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 2.9 4.7 12.3 103.7 154.4	AZN 7.0 5.4 2.2 4.0 5.7 8.5 12.5 2.3 2.2 1.4 2.3 3.1	SEC TO 8888.  AZSUN -77.0 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4 -77.9 -74.3 -76.9 -80.4 -83.8 -83.8 -83.8	IMPACT 240 AZA 72.3 61.7 71.7 36.6 48.2 56.5 78.8 71.7 12.6 61.2 32.7	ALT 1854.59970 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.9017 87.48037 85.55384 87.38343 87.21295	LAN 0.899 0.935 0.998 0.983 0.793 0.870 0.870 0.998 0.992 1.000 0.951	T T776 -34  AZPHAZ -93.2 -93.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -95.9 -90.2 -95.9 -90.2 -95.9 -90.2	ON .817 INCO 70.3 59.6 52.5 58.3 64.4 65.8 68.0 61.5 55.5 53.7 52.5 46.3 51.9 57.6	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.5 28.5 42.5 38.2 47.9 32.2 53.3 30.4 47.9 32.2 53.3 18.3 53.2 6.9 58.9 12.7 3.4 48.4 10.1 43.1 21.3	V 5 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.2 21.2 -4.2 -1.0 -12.6 -1.8 -1.8 -1.0	PTH -74.039 11 SCALE 0. 334.11457 259.09102 176.61950 185.92278 190.70510 213.89083 201.30117 188.67718 203.16750 183.58335 227.87485 172.37714 174.19300 183.17850	AZ 66-908 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194	RANGE 2024-34914 1914-38814 1861-02806 1873-76653 1923-56198 1968-03415 2000-59209 1984-35818 1990-67372 1861-02806 1876-77008 1876-77008 1876-77008 1876-77008	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 2.9 4.7 12.3 103.7 154.4 -95.5	AZN 7.0 5.4 2.2 4.0 5.7 8.5 7.5 2.3 2.2 2.2 2.2 1.4 3.1 3.8 4.2 7.3	SEC TO 8888.  AZSUN -77-03 -80-4 -81-5 -82-2 -81-3 -81-4 -77-9 -80-4 -83-5 -83-8 -83-5 -82-8	IMPACT 240 AZA 72.3 61.7 51.0 48.2 56.5 78.8 71.7 12.6 61.2 37.3 22.7 15.8	ALT 1854.59976 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 85.56384 84.85584 87.38343 89.21295 92.18191 93.66380	LA. 8/A 0.899 0.935 0.983 0.934 0.850 0.850 0.870 0.954 0.998 0.992 0.992 1.600 0.951 0.865	T L: T776 -34  AZPHAZ -93.2 -90.2 -85.5 -85.5 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0	ON .817 INCD 70.3 59.6 52.5 58.3 64.4 65.8 68.0 61.5 53.7 52.5 46.3 51.9 57.6 63.6 70.3	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 47.8 11.8 42.5 22.3 42.5 22.3 42.5 33.3 30.4 42.5 33.2 6.9 53.2 6.9 53.2 6.9 53.3 18.3 53.2 6.9 53.7 3.3	V 5 1.980 ALPHA 31.0 10.1 -1.0 21.8 22.2 8.2 -4.2 -1.6 -1.0 -12.6 -1.8	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-01950 185-92278 190-70510 123-89908 201-30117 188-6-7718 203-16-750 183-58335 272-87485 172-37714	AZ 16.908 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194 17 -6.307 -16.560 8 -12.773 -15.310	RANGE 2024-34914 1914-38814 1861-02806 1873-70653 1923-56198 1968-03415 2062-17133 2000-59209 1884-15818 1990-67372 1861-02806 1876-77008 1876-7703 1917-37663 2009-43173 2018-37204	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 2.9 103.7 12.3 103.7 154.4 -107.6 -98.4 -95.5 -78.1	AZN 7.0 7.0 2.2 4.0 5.7 8.5 12.5 2.2 2.2 2.2 2.3 3.1 4.2 7.3 11.5	SEC TO 888.  AZSUN -77-0 -79-3 -80-4 -81-5 -82-2 -81-3 -81-4 -77-9 -80-4 -83-5 -82-8 -83-8	IMPACT 240 AZA 72.3 61.7 51.0 36.6 56.5 78.8 71.6 61.2 37.3 12.6 61.2 37.3 15.0 26.8	ALT 1854.59976 Ae 92.45263 90.97999 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 85.56384 84.85584 87.38343 89.21295 92.18191 93.66380 96.588668	LA 8/A U.899 C.935 O.983 U.983 U.793 U.850 O.870 O.954 O.998 O.998 O.998 O.998 O.987 O.987	T L. T776 -34 AZPHAZ -93.2 -93.2 -85.2 -85.2 -94.8 -90.2 -85.5 -82.2 -84.4 -90.2 -85.5 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.2	ON .817 INCD 3 59.6 52.5 58.3 64.4 65.8 66.5 55.7 52.6 351.9 57.6 63.6 70.3 71.18	R 3590.055 PHAZ EMIS 8.5 34.7 47.6 20.8 53.2 6.9 42.5 22.3 42.5 28.5 42.5 38.2 47.9 32.2 53.3 30.4 53.0 18.3 53.9 12.7 53.6 6.9 58.9 12.7 53.7 3.3 48.4 10.1 43.1 21.3 38.0 33.2 37.2 34.1	V 5 1.980 31.0 10.1 10.3 21.8 22.2 21.2 8.2 -1.6 -1.6 -1.8 90.1 33.9 32.1 33.9	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-61950 185-92278 190-70510 123-89083 201-30117 188-67718 203-16750 183-58335 227-87485 172-37714 174-19300 183-17850 183-17850 183-17850 183-17850 183-17850	AZ 16-908 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17-18
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194 17 -6.307 -16.560 18 -12.773 -15.310	RANGE 2024-34914 1914-38814 1861-02806 1873-70653 1923-56198 1908-03415 2000-59209 1984-35818 1990-67372 1861-02806 1876-77008 1856-10361 1868-70703 1917-37663 2009-43173 2018-37204 2070-96686	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 103.7 12.3 103.7 154.4 -107.6 -98.4 -95.5 -76.1	AZN 7.04 2.2 4.07 8.55 12.55 7.53 2.2 2.2 2.2 1.4 3.8 3.1 3.8 7.3 117.4	SEC TO 888.  AZSUN -77.0 3 -80.4 -81.5 -82.2 -81.4 -77.9 -74.3 -76.9 -74.3 -76.9 -83.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -82.8 -83.5 -83	IMPACT 240 AZA3 72.3 71.7 51.0 48.2 568.5 82.5 78.8 82.5 78.8 37.3 22.7 12.6 37.3 22.7 26.8 37.4	ALT 1854.59976 92.45263 90.97999 87.48037 88.63293 90.554140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 87.56384 84.85584 87.38389 92.1295 92.18191 93.66380 96.5866380	LA 8/A 0.899 0.938 0.983 0.983 0.983 0.873 0.870 0.870 0.992 1.000 0.954 0.998 0.998 0.998 0.982 0.982 0.982 0.987 0.998	T L T776 -34 AZPHAZ -93.2 -90.2 -85.5 -85.2 -94.8 -90.2 -95.7 -90.2 -84.8 -90.2 -91.6 -80.9 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2	ON .817 INCD 70.3 59.6 52.5 58.3 64.4 68.0 61.5 553.7 52.5 46.3 57.6 63.6 70.3 71.1 72.6	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.5 38.2 53.2 6.9 53.3 10.4 53.2 6.9 53.3 10.4 53.2 6.9 12.7 53.7 3.3 46.4 10.1 43.1 21.3 38.0 33.2 48.4 10.3 37.2 34.1 36.9 37.2	V 5 1.980 ALPHA 31.0 10.1 21.8 22.2 21.2 4.2 -1.0 -12.6 -1.8 9.1 20.3 32.1 33.9 35.0	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-61950 185-92278 190-70510 213-89083 201-30117 188-67718 203-16750 183-58335 27-874465 172-37714 174-1930 183-17850 202-20153 162-47819 199-39157 229-03451	AZ 66-908 PT-PT 0-1 1-2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194 17 -6.307 -16.560 18 -12.773 -15.310 19 -20.049 -13.162 0 -29.147 -8.986	RANGE 2024-34914 1914-38814 1861-02806 1873-70653 1923-56198 1968-03415 2062-17133 2000-59209 1884-15818 1990-67372 1861-02806 1876-77008 1876-7703 1917-37663 2009-43173 2018-37204	AZS/C -11.4 -28.3 12.3 -55.2 -72.1 -49.2 -35.5 -18.3 2.9 103.7 12.3 103.7 154.4 -107.6 -98.4 -95.5 -78.1	AZN 7.0 5.4 2.2 4.0 5.7 8.5 12.5 2.2 1.4 2.3 13.8 4.2 7.3 11.5	SEC TO 8888.  AZSUN -77-0 -79-3 -80-4 -81-5 -81-3 -81-4 -81-5 -82-8 -83-5 -82-8 -83-	IMPACT 240 AZA 72.37 71.7 51.0 68.5 68.5 68.5 71.7 61.2 32.7 15.0 837.8 46.5	ALT 1854.59970 Ae 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 85.56384 87.38343 89.21295 92.18191 93.66380 96.58668 101.38228 109.75644	LA'S -3."  8/A 0.889 0.935 0.938 0.934 0.883 0.793 0.870 0.954 0.998 0.992 1.000 0.951 0.867 0.791 0.6518	T 1.4776 -34 AZPHAZ -93.2 -90.2 -85.5 -85.2 -95.7 -90.2 -95.7 -90.2 -95.6 -80.9 -80.0 -80.	ON .817 INCO 3 59.6 52.5 3 64.4 65.8 68.0 61.5 55.7 52.5 46.3 71.6 63.6 70.3 71.8 75.6 80.4	R 3590.055  PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.5 38.2 47.9 32.2 53.3 30.4 53.2 6.9 58.9 12.7 58.9 12.7 38.0 33.2 38.2 37.2 47.5 38.2 37.2 47.5	V 1.980 ALPHA 31.0 10.1 21.8 22.2 21.2 4.2 -1.6 -1.0 -1.8 20.3 32.1 33.9 35.0 35.0 35.3	PTH -74.039 11 SCALE 0. 334.11457 259.09102 176.01950 185.92278 190.70510 213.89083 201.30117 188.67718 203.16750 83.58335 227.87485 172.37714 174.19300 183.17850 202.20153 162.47819 199.39157 229.03451	AZ 66.908 PT-PT 0-12 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 9 -20.031 -34.951 10 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194 17 -6.307 -16.560 18 -12.773 -15.310 19 -20.049 -13.162 20 -29.147 -8.986 21 -28.251 -18.980 22 -27.940 -27.159	RANGE 2024-34914 1914-38814 1861-02806 1873-76653 1923-56198 1968-03415 2000-59209 1984-35818 1900-67372 1861-02806 1876-77008 1876-77008 1876-77008 1876-77008 1876-77009 1984-35818 1917-37663 2009-43173 2018-37204 2018-	AZS/C -11-43 12-3 -55-2 -72-1 -49-2 -35-5 -18-3 103-7 12-3 103-7 154-4 -107-6 -98-4 -98-4 -95-5 -76-1 -60-6 -47-5 -38-3 -77-2	AZN 7.0 5.4 2.0 5.7 8.55 17.5 2.2 2.2 1.4 3.8 2.7 1.5 17.5 17.5 17.5 17.5 17.5 17.5 17.	SEC TO 8888.  AZSUN -77-0 -79-3 -80-4 -81-5 -82-8 -83-8 -83-8 -83-8 -83-8 -83-6 -91-2 -83-5 -78-1	IMPACT 240 AZA 721-3 711-7 36-6 48-5 568-5 78-8 711-6 61-2 37-3 15-0 8 37-8 46-4 53-6 73-4	ALT 1854.59976 92.45263 90.97999 87.48037 88.63293 90.554140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 87.56384 84.85584 87.38389 92.1295 92.18191 93.66380 96.5866380	LA 8/A 0.935 0.935 0.998 0.998 0.998 0.987 0.870 0.956 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.995 0.985 0.936 0.955 0.887 0.955 0.887 0.955 0.869 0.955 0.869 0.955	T L. T776 -34 AZPHAZ -93.2 -90.2 -85.5 -85.2 -95.7 -95.7 -95.5 -90.2 -95.7 -95.2 -81.6 -80.9 -90.2 -90	ON .817 INCD 70.3 59.6 52.5 58.3 64.4 65.8 68.0 61.5 53.7 52.5 346.3 51.9 57.6 670.3 71.1 72.8 75.6 801.6	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 42.5 38.2 53.2 6.9 53.3 10.4 53.2 6.9 53.3 10.4 53.2 6.9 12.7 53.7 3.3 46.4 10.1 43.1 21.3 38.0 33.2 48.4 10.3 37.2 34.1 36.9 37.2	V 5 1.980 ALPHA 31.0 10.1 21.8 22.2 21.2 4.2 -1.0 -12.6 -1.8 9.1 20.3 32.1 33.9 35.0	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-61950 185-92278 190-70510 213-89083 201-30117 188-67718 203-16750 183-58335 227-87485 172-37714 174-19300 183-17850 202-20153 162-47819 199-39157 229-03451 298-51347	AZ 6-908 PI-PT 0-11-22-33-44-5 5-6-77-88-9-10 10-11 11-12 12-13 113-14 14-15 15-16 16-17 17-18 18-19 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.960 -17.816  2 -13.088 -29.098 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 9 -20.031 -34.951 0 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 4 -1.919 -29.887 15 -1.500 -23.851 6 -0.980 -17.194 17 -6.307 -16.560 18 -12.773 -15.310 20 -29.147 -8.986 21 -26.251 -18.980 22 -27.940 -27.159	RANGE 2024-34914 1914-38814 1861-02806 1673-76653 1923-56198 1968-03415 2000-59209 1984-35818 1990-67372 1861-02806 1876-77008 1856-10361 1868-70703 1917-37663 2009-43173 2009-43173 2018-37204 2070-96686 2182-45706 2392-97607	AZS/C -11-43 12-3 -55-2 -72-1 -49-2 -35-5 -18-3 2-9 4-7 12-3 103-7 12-3 103-7 107-6 -98-5 -78-1 -60-6 -47-5 -38-3 -27-2 -2-1 3-4 2-1	AZN 7.0 5.4 2.0 5.7 5.5 12.5 7.5 3 2.2 2.4 2.3 3.8 4.3 3.11.5 17.4 819.5 112.6	SEC TO 888.  AZSUM -77-0 -79-3 -80-4 -81-5 -81-9 -74-3 -74-3 -74-3 -76-9 -80-4 -83-5 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8	IMPACT 240  AZA3 61.7 71.7 36.62 56.5 682.5 78.8 71.2 22.7 12.6 237.8 22.7 26.8 46.4 62.6 73.4 62.6 73.6	ALT 1854.59976 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 85.56384 84.85584 87.38343 89.21295 92.18191 93.66380 90.58668 101.38228 109.75644 100.38453 98.85478	LA'S -3.  8/A U.8995 0.9984 0.9834 0.7933 U.850 0.952 0.952 0.951 U.865 0.952 0.951 U.865 0.871 0.751 U.865 0.871 0.751 U.865 0.871 0.751 U.865 0.971	T L. 1776 -34  AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -90.2 -95.8 -90.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.2 -90.2 -90.2 -101.0 -100.1	ON .817 INCD 70.3 59.6 58.3 64.4 64.5 55.7 55.7 546.3 71.1 72.8 75.6 64.7 71.6 64.8	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 45.5 22.3 42.5 22.3 42.5 22.3 42.5 22.3 53.0 18.3 53.2 6.9 12.7 53.7 3.3 48.4 10.1 43.1 21.3 38.0 33.2 37.2 34.1 36.9 37.0 38.6 45.4 38.6 45.4 38.6 45.4	V V 1.980  ALPHA 31.0 10.1 -1.03 21.8 22.2 21.2 -4.2 -1.6 -1.8 9.1 20.3 33.9 335.9 35.3 36.5 3.8	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-01950 185-92278 190-70510 123-89908 201-30117 188-67718 203-16750 183-58335 27-87485 172-37714 174-1930 183-17850 202-20153 162-47819 199-39157 229-03451 228-651347 229-03451 228-69197 218-69197 200-46295	AZ 6-908 PI-PI 0-11-2 2-3 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 21-22 22-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194 17 -6.307 -16.560 18 -12.773 -15.310 19 -20.049 -13.16 20 -29.147 -8.986 21 -28.251 -18.980 22 -27.9940 -27.159 23 -27.9940 -34.653	RANGE 2024-34914 1914-38814 1861-02806 1873-76653 1923-56198 1968-03415 2000-59209 1984-35818 1900-67372 1861-02806 1876-77008 1876-	AZS/C -11-4 -28-3 12-3 -55-2 -72-1 -49-2 -35-5 -18-3 103-7 12-3 103-7 154-4 -98-4 -98-4 -98-5 -78-1 -60-6 -38-3 -27-2 -13-4 2-1	AZN 7.0 5.4 2 4.0 7 5.5 12.5 2.2 2 1.4 2.3 117.4 27.8 1	SEC TO 8888.  AZSUN -77-0 -79-3 -80-4 -81-5 -82-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-6 -91-2 -83-2 -83-5 -73-2 -67-3 -2 -	IMPACT AZA37-7-0 AZA37-7-0 AZA37-7-0 AZA37-7-0 AZA37-7-0 AZA37-1-0 AZA37-0 AZA	ALT 1854.59970 92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 84.63434 93.40028 89.9017 87.48037 85.55384 87.38343 89.201295 92.18191 93.66380 96.58668 101.3828 101.3828 101.3828 101.3828 99.75644 103.64844 103.64845 98.85478 98.74830	LA 5 -3. 8/A U.8993 0.983 0.983 0.983 0.883 0.8793 0.870 0.870 0.870 0.870 0.870 0.870 0.870 0.9982 1.000 0.9951 0.9982 1.000 0.951 0.96847 0.791 0.6690 0.518 0.6690 0.518 0.715 0.739	T 1.4776 -34 AZPHAZ -93.2 -90.2 -85.5 -95.7 -90.2 -95.7 -90.2 -95.5 -82.2 -95.5 -82.2 -91.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2 -99.3 -99.3 -99.3 -98.6	ON .817 INCD 70.3 52.5 58.3 65.8 66.0 55.5 55.5 55.5 55.5 53.6 63.6 71.1 72.8 80.4 64.5 58.3 64.5	R 3590.055  PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 28.5 42.5 38.2 47.9 32.2 53.3 30.4 47.9 32.2 53.3 30.4 35.2 6.9 53.0 18.3 53.2 6.9 53.0 18.3 53.2 6.9 53.7 3.3 48.4 10.1 36.9 39.0 37.2 47.5 38.2 47.5 38.2 47.5 38.2 47.5 38.2 47.5 38.2 47.5 38.2 47.5 38.2 47.5	V 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.1.2 -4.2 -1.6 -1.8 9.1 33.9 35.0 35.3 36.2 18.5 -9.7	PTH -74.039 11 SCALE 0. 334.11457 259.09102 176.61950 185.92278 190.70510 213.89083 201.30117 188.67718 203.16750 183.58335 27.87484 174.19300 183.17850 202.20153 162.47819 199.39157 299.3457 229.03457 229.03457 229.03457 229.03457 229.03457 229.03457 238.69197 200.46295	AZ 6-908 PT-PT 0-1 1-2 3-4 4-5 5-6-7 8-9-10 10-11 11-12 11-12 11-12 11-14 11-18
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194 17 -6.307 -16.560 18 -12.773 -15.310 19 -20.049 -13.162 0 -29.147 -8.986 21 -28.251 -18.986 21 -27.940 -27.159 23 -27.996 -34.653 24 -28.371 -42.066 5 -20.346 -41.511	RANGE 2024-134914 1914-38814 1861-02806 1873-70653 1923-56198 1926-03415 2062-17133 2000-59209 1884-15818 1990-67372 1861-02806 1876-77008 1876-77003 1917-37663 2009-43173 2018-37204 2070-9668 2182-45706 2392-97607 2230-46573 2151-59662 2129-88177 2158-11557	AZS/C -11:43 12:3 -55:2 -72:1 -49:2 -72:1 -49:2 103:7 12:3 103:7 154:4 -107:6 -98:5 -78:1 -60:6 -47:5 -38:3 -27:2 -13:4 17:3	AZN 7.00 5.4 4.00 5.7 8.2.2 4.00 5.7 7.5.5 12.5 7.2.3 2.2 2.1.4 2.3 11.5 11.5 11.4 27.8 11.5 2.6 6.6.2 0.6 3.0	SEC TO 888.  AZSUM -77-0 -79-3 -80-4 -81-5 -82-2 -81-3 -74-3 -74-3 -74-3 -76-3 -78-3 -83-8 -83-8 -83-5 -82-8	IMPACT 240  AZA3 61-7 71-7 36-62 568-5 78-8 71-62 372-7 12-62 372-7 12-62 373-46-4 62-63 77-65	92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 87.48037 89.21295 92.18191 93.66380 101.38228 109.75644 100.38453 98.855478 98.75484	8/A 0.899 0.935 0.998 0.983 0.793 0.850 0.850 0.850 0.987 0.982 1.600 0.951 0.965 0.965 0.965 0.97 0.965 0.97 0.97 0.985 0.97 0.	T L. 1776 -34  AZPHAZ -93.2 -90.2 -85.5 -85.5 -85.2 -84.7 -90.2 -95.7 -90.2 -94.8 -80.9 -79.0 -84.2 -96.3 -102.2 -101.0 -100.1 -99.3 -98.6	ON .817 INCO 70.3 52.5 58.3 64.4 65.8 66.8 66.8 65.8 70.3 71.6 67.3 71.6 68.3 71.6 71.6 71.6	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 47.8 11.8 42.5 22.3 42.5 22.3 42.5 33.3 30.4 42.5 53.2 6.9 53.0 18.3 53.2 6.9 12.7 53.7 3.3 48.4 10.3 37.2 34.1 38.0 33.2 37.2 34.1 38.0 33.2 37.2 34.1 38.0 33.3 37.2 47.5 38.0 35.0 37.2 47.5 38.0 35.0 37.2 47.5	V 1.980 ALPHA 31.0 10.1 -1.03 21.8 22.2 -2.1.2 -4.2 -1.0 -12.6 -9.1 33.9 35.3 35.3 35.3 35.3 36.5 -9.7 -22.8	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-01950 185-92278 190-70510 213-89083 201-30117 188-67718 203-16750 183-58335 272-87485 172-37714 174-19300 183-17850 202-20153 162-47819 199-39157 229-03451 239-03451 239-03451 249-03451	AZ 6-908 PT-PT 0-1 1-2 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-15 16-17 17-18 18-19 19-21 221-22 22-22 23-22 24-22 24-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 8 -19.862 -28.326 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.558 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194 17 -6.307 -16.560 18 -12.773 -15.310 19 -20.049 -13.162 20 -29.147 -8.986 21 -28.251 -18.986 21 -28.251 -18.986 22 -27.940 -27.159 23 -27.996 -34.653 24 -28.371 -42.066 5 -20.346 -41.511 26 -13.622 -41.247	RANGE 2024-134914 1914-38814 1861-02806 1873-70653 1923-56198 1968-03415 2000-59209 1984-35818 1990-67372 1861-02806 1876-77008 1876-77003 1917-37663 2009-43173 2018-37204 2018	AZS/C -11:43 12:3 -55:2 -72:1 -49:2 -72:1 -49:2 103:7 12:3 103:7 154:4 -107:6 -98:5 -78:1 -60:6 -47:5 -38:3 -27:2 -13:4 2:1 17:3 35:0 61:9	AZN 7.0 5.4 2 4.0 7 5.5 12.5 2.2 2 1.4 2.3 117.4 27.8 1	SEC TO 8888.  AZSUN -77-0 -79-3 -80-4 -81-5 -82-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-8 -83-6 -91-2 -83-2 -83-5 -73-2 -67-3 -2 -	IMPACT 240 AZA371-7 516-6-25 61-7 516-6-25 828-58 712-62 37-8 712-62 37-8 61-32 715-08 82-8 712-62 37-8 715-9	ALT 1854.59970 92.45263 90.97999 81.48037 88.63293 90.54140 93.08664 97.11547 84.63434 93.40028 89.90177 87.48037 85.56384 88.990177 87.48037 95.25868 81.295 92.18191 93.66380 96.58668 101.38268 101.3828 101.3828 101.3828 103.64844 103.64844 103.64844 103.23488 98.75648 98.74830 93.23488 93.23488 89.72219	LA'. 8/A 0.935 0.993 0.993 0.983 0.994 0.952 0.984 0.992 0.982 0.982 0.992 0.982 0.983 0.990 0.951 0.650 0.871 0.791 0.791 0.792 0.882	T 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	ON .817 INCO 70.3 52.5 58.3 66.5 55.5 55.5 55.5 55.6 63.6 70.3 71.1 87.6 64.5 80.6 64.5 80.6 80.6 80.6 80.6 80.6 80.6 80.6 80.6	R 3590.055  PHAZ EMIS 38.5 34.7 47.6 20.8 53.2 6.9 47.8 11.8 42.5 22.3 53.3 30.4 42.5 28.5 53.0 18.3 53.2 6.9 53.0 18.3 53.2 6.9 54.9 12.3 38.0 33.2	V 1.980 ALPHA 31.0 10.1 -1.0 10.3 21.8 22.2 -2.2 -1.6 -1.0 -1.8 9.1 33.9 35.0 335.0 335.0 35.0 375.0 375.0 375.0 375.0 375.0 375.0 375.0 375.0	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-61950 185-92278 190-70510 213-89083 201-30117 188-67718 203-16750 183-58335 27-87485 172-37714 174-19300 183-17850 202-20153 162-47819 199-39157 299-39157 299-39157 299-39157 299-39157 299-39157 299-39157 298-51347 266-82119 218-69197 200-46295 198-20792 243-52986	AZ 6-908 PT-PT 0-1 1-2 3-4 5-6 6-7 8-9 9-10 10-11 11-12 12-13 13-15 15-16 17-18 18-19 19-20 21-22 22-23 24-25 25-25-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.960 -17.816 2 -13.088 -29.058 3 -7.271 -35.433 4 -6.973 -29.564 5 -6.657 -23.390 6 -12.900 -22.567 7 -19.850 -21.260 9 -20.031 -34.951 10 -13.328 -35.201 11 -7.271 -35.433 12 -2.568 -41.320 13 -2.266 -35.631 14 -1.919 -29.887 15 -1.500 -23.851 16 -0.980 -17.194 17 -6.307 -16.560 18 -12.773 -15.316 19 -20.049 -13.162 20 -29.147 -8.986 21 -28.251 -8.980 22 -27.940 -27.159 23 -27.996 -34.653 24 -28.371 -42.066 25 -20.346 -41.511	RANGE 2024-134914 1914-38814 1861-02806 1873-70653 1923-56198 1968-03415 2000-59209 1984-35818 1990-67372 1861-02806 1876-77008 1876-77003 1917-37663 2009-43173 2018-37204 2018	AZS/C -11:43 12:3 -55:2 -72:1 -49:2 -72:1 -49:2 103:7 12:3 103:7 154:4 -107:6 -98:5 -78:1 -60:6 -47:5 -38:3 -27:2 -13:4 2:1 17:3 35:0 61:9	AZN 7.00 7.00 5.7 8.55 7.55 2.33 3.11.5 4.22 2.22 2.22 2.23 3.11.5 11.5 2.62 -3.00	SEC TO 8888.  AZSUN -77-0 -79-3 -80-4 -81-5 -82-8 -83-4 -83-5 -82-8 -83-4 -83-5 -91-2 -83-5 -91-2 -73-2 -74-0 -70-2 -74-0 -70-2 -74-0	IMPACT 240  AZA3 61-7 71-7 36-62 568-5 78-8 71-62 372-7 12-62 372-7 12-62 373-46-4 62-63 77-65	92.45263 90.97999 87.48037 88.63293 90.54140 93.08664 97.11547 94.63434 93.40028 89.90177 87.48037 87.48037 89.21295 92.18191 93.66380 101.38228 109.75644 100.38453 98.855478 98.75484	LA'. 0.489 0.983 0.983 0.983 0.983 0.993 0.972 0.870 0.870 0.971 0.690 0.971 0.690 0.715 0.739 0.712 0.739 0.722 0.739 0.722 0.739	T L. 1776 -34  AZPHAZ -93.2 -90.2 -85.5 -85.5 -85.2 -84.7 -90.2 -95.7 -90.2 -94.8 -80.9 -79.0 -84.2 -96.3 -102.2 -101.0 -100.1 -99.3 -98.6	ON .817 INCD 70.3 52.5 58.3 64.4 65.8 66.8 66.5 55.5 53.7 52.5 63.6 70.3 77.2 80.4 71.6 680.4 71.6 680.4 49.7 48.0 97.4 48.0	R 3590.055 PHAZ EMIS 38.5 34.7 47.6 20.8 47.8 11.8 42.5 22.3 42.5 22.3 42.5 33.3 30.4 42.5 53.2 6.9 53.0 18.3 53.2 6.9 12.7 53.7 3.3 48.4 10.3 37.2 34.1 38.0 33.2 37.2 34.1 38.0 33.2 37.2 34.1 38.0 33.3 37.2 47.5 38.0 35.0 37.2 47.5 38.0 35.0 37.2 47.5	V 1-980 31-01 10-1 10-1 21-8 22-2 8-2 21-2 8-2 -1-0 -12-0 12-1 20-3 32-1 33-9 35-9 35-9 35-9 35-9 35-9 35-9 35-1 31-1 12-1 18-1 18-1 18-1 18-1 18-1 18-1 1	PTH -74-039 11 SCALE 0. 334-11457 259-09102 176-01950 185-92278 190-70510 213-89083 201-30117 188-67718 203-16750 183-58335 272-87485 172-37714 174-19300 183-17850 202-20153 162-47819 199-39157 229-03451 239-03451 239-03451 249-03451	AZ 6-908 PT-PT 0-1 1-2 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 13-14 14-15 16-17 17-18 18-19 19-20 21-22 21-22 22-23 22-25 25-26 25-26 25-26 26-26 2

		RA-VII	CAMERA	FA								14
JULY 31,1964 13 HR 11 MIN 5 SEC	678 MS	TA	B NO	27	ATLA:	s <b>РНО</b> ТО	NO	27		POD S	SEQUENCE NO	60
TRAJECTORY DATA		SEC TO 11		ALT 1844.85172	LAT			358	R 0.307	V 1.982	PTH -74.008 11	AZ 6.902
PHOTO DATA												PT-PT
	S/C A/N 1.5 7.0	AZSUN -77.1	AZA	A* 91.98090				PHAZ 38.5	EMIS A	30.9	SCALE 0.	0-1
	8.4 5.4		72.1 61.6	90.51810		-90.2		47.6		10.2	331.91944	1- 2
3 -7.297 -35.345 1851.29025 1	1.5 2.2	-80.4	71.4	87.02527		-85.5		53.2		-0.9	257.81387	2- 3
4 -7.001 -29.506 1864.12738 -5	5.2 4.1		50.9	88.17973		-85.2		47.8		10.3	175.72143	3- 4 4- 5
	2.0 5.7 9.2 8.5		36.6 48.1	90.08521		-84.7 -90.2		42.5 42.2		22.3	189.76481	5- 6
	5.5 12.5		56.4	96.62758	11.795	-95.7	68.1	42.5	38.2	21.2	212.79381	6- 7
8 -19.824 -28.271 1990.38655 -1	8.4 1.5		68.4	94.15150		-95.2		41.9		8.3 -4.1	200.32874 187.72441	7- 8 8- 9
	2.1 2.4		82.3 78.5	92.41046 89.43401		-94.8 -90.2		53.3		-1.5	202.07889	9-10
	4.4 2.2 1.5 2.2		71.4	87.02527		-85.5		53.2		-0.9	182.63655	10-11
	3.5 1.4	-83.4	11.6	85.05344		-82.2			12.6		226.62492	11-12
	5.4 2.3		60.8	84.39863 86.93775		-81.6 -80.9		53.7 48.4	3.2	-1.7 9.2	171.41199	
14 -1.972 -29.828 1859.02521 -10 15 -1.555 -23.622 1907.58128 -9	7•1 3•1 8•2 3•8		35.6 22.8	88.75665		-80.0		43.1		20.4	182.27167	
	5.4 4.2		15.2	91.71185		-19.0	70.3	38.0	33.1	32.1	201.18605	
17 -6.338 -16.565 2008.25682 -7	8.1 7.3		26.9	93.19398		-84.2		31.2		33.9	161.66570	
10 11111	0.6 11.5		37.8 46.3	96.10600		-90.2 -96.3	72.8	36.9 37.2	47.5	35.3	227.83443	
	7.6 17.4 8.3 27.7		53.0	109.17425				38.2		36.1	296.51170	19-20
	7.3 19.4	-83.5	62.5	103.11081	0.648	-101.0		43.3		18.5	265.24624	
22 -27.854 -27.109 2140.32233 -1	3.5 11.2		73.2	99.85815	0.716	-100.1		48.6		3.9 -9.6	217.59257	
	2.0 2.1 7.2 -6.1	-73.3 -68.0	85.0 7.4	98.32148		-99.3 -98.6		53.8	45.7		197.03836	
	3.1 -2.9	-70.3	7.2	92.72756		-94.4	49.8	58.5	33.0	-16.2	241.92352	
26 -13.615 -41.165 1913.19089 3	4.8 -1.1	-74.0	1.6	89.23926		-90.1	48.1	58.4	22.2	-13.0	202.63321	
	1.6 0.3	-78-8	9.1	86.99279		-85.9 -82.2	47.0	58.5	14.2	-12-0	182.63624	
28 -2.610 -41.200 1866.51614 10	3.5 1.4	-83.4	11.6	85.05344	0.991	-04.4	40.4	30.9	12.0		130110030	21 20
		T/	AB NO	28	ATLA	s PHOTO	NO	28		POD	SEQUENCE NO	62
JULY 31,1964 13 HR 11 MIN 10 SEC	798 MS	T	AB NO	28	ATLA	S РНОТО	NO	28		POD	SEQUENCE NO	62
JULY 31,1964 IS HR 11 MIN 10 SEC	798 MS	SEC TO 1	MPACI	28 AL T 1835.09427	LAT	L	NO UN .737		R 70.550	v	PTH 4 -73.978 11	ΑZ
TRAJECTURY DATA	798 MS		MPACI 001	ALT 1835.09427	LAT 7 -3.8	317 -34	UN .737	35	70.550	V 1.98	PTH 4 -73.978 11	AZ 16.897
TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE AZ	S/C AZN	SEC TO 1 878.0	MPACT DOL AZA	ALT 1835.09427	LAT 7 -3.8 B/A	. L: 317 -34 AZPHAZ	ON • 737 • INCO	351	70.550 EMIS	V 1.98 AL PHA	PTH 4 -73.978 11 SCALE	AZ 6.897
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ 1 -11.942 -17.853 2003.38855 -1	S/C AZN 1.7 7.0	SEC TO 1 878.0 AZSUN -77.1	MPACI OOL AZA /L.9	ALT 1835.09427 A+ 91.50868	EAT 7 -3.8 8/A 9.899	E 317 -34 AZPHAZ -93.2	UN • 737 • INCU 70• 3	351 PHAZ 38.5	70.550 EMIS 34.6	V 1.98 ALPHA 30.9	PTH 4 -73.978 11	AZ 16.897
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ 1 -11.942 -17.853 2003.36853 -1 2 -13.082 -28.943 1894.93929 -2	S/C AZN 1.7 7.0 8.6 5.4	SEC TO 1 878-0 AZSUN -77-1 -79-3	MPACT DOL AZA	ALT 1835.09427	E/A B/A 0.899 0.934	. L: 317 -34 AZPHAZ	UN •737 • INCU • 70• 3 • 59• 7 • 52• 7	351 PHAZ 38.5 47.6 53.2	70.550 EMIS 34.6 20.9 6.9	V 1.98 AL PHA 30.9 10.3 -0.8	PTH 4 -73.978 11 SCALE 0. 329.72458 256.53527	AZ 16.897 PT-P1 0- 1 1- 2 2- 3
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93929 -2  3 -7.324 -35.757 1841.54514 1  4 -7.029 -29.447 1854.53857 -5	S/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1	SEC TO 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5	MPACT 001 AZA 71.9 61.4 71.1 50.8	ALT 1835-09427 A+ 91-50868 90-05569 86-57002 87-72607	EAT 7 -3-8 8/A 0.899 0.934 0.998 0.983	AZPHAZ -93.2 -90.2 -85.5 -85.2	UN .737 INCD 70.3 59.7 52.7 58.4	351 PHAZ 38.5 47.6 53.2 47.8	70.550 EMIS 34.6 20.9 6.9 11.9	V 1.98 ALPHA 30.9 10.3 -0.8 10.4	PTH 4 -73.978 11 SCALE 0. 329.72458 256.53527 174.82267	AZ 16.897 PT-P1 0-1 1-2 2-3 3-4
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1884.3929 -2  3 -7.324 -35.257 1841.54514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7	S/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1 2.0 5.8	SEC TO 1 878-0 AZSUN -77-1 -79-3 -80-4 -81-5 -82-2	MPACI 001 AZA 71.9 61.4 71.1 50.8 36.6	ALT 1835-09427 A* 91-50868 90-05569 86-57002 87-72607 89-62849	EAT 7 -3.8 8/A 0.899 0.934 0.998 0.983	AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7	UN .737 INCD 70.3 59.7 52.7 58.4 64.4	351 PHAZ 38.5 47.6 53.2 47.8 42.5	70.550 EMIS 34.6 20.9 6.9 11.9 22.4	V 1.98 ALPHA 30.9 10.3 -0.8 10.4 21.9	PTH 4 -73.978 11 SCALE 0. 329.72458 256.53527 174.82267 184.11109	AZ 6.897 PT-P1 0-1 1-2 2-3 3-4 4-5
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93929 -2  3 -7.324 -35.757 1841.54514 1  4 -7.029 -29.447 1854.5857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.8897 -22.516 1948.35011 -4	S/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1 2.0 5.8	SEC 10 1 878-0 AZSUN -77-1 -79-3 -80-4 -81-5 -82-2 -81-3	MPACI 001 AZA 71.9 61.4 71.1 50.8 36.6 48.1	ALT 1835.09427 A* 91.50868 90.05569 86.57002 87.72607 89.62849 92.15558	EAT 7 -3.8 8/A 0.899 0.934 0.983 0.933 0.882	AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2	UN .737 INCD 70.3 59.7 52.7 58.4 64.4 65.9	351 PHAZ 38.5 47.6 53.2 47.8	70.550 EMIS 34.6 20.9 6.9 11.9 22.4 28.5	V 1.98 ALPHA 30.9 10.3 -0.8 10.4	PTH 4 -73.978 11 5CALE 0. 329.72458 256.53527 174.82267 184.11109 188.8231 211.69566	P1-P1 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZ 1 -11.942 -17.853 2003.36853 -1 2 -13.062 -28.963 1894.9329 -2 3 -7.324 -35.257 1841.54514 1 4 -7.029 -29.447 1854.53857 -5 5 -6.715 -23.333 1904.17690 -7 6 -12.897 -22.516 1948.35011 -4 7 -19.775 -21.221 2041.4559 -3	S/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1 2.0 5.8	SEC TO 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4	MPACI 001 AZA 71.9 61.4 71.1 50.8 36.6	ALT 1835-09427 A* 91-50868 90-05569 86-57002 87-72607 89-62849	EAT 7 -3-8 8/A 0.899 0.934 0.988 0.983 0.882 0.793	AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2 -90.2	UN .737 INCD 70.3 59.7 52.7 64.4 65.9 68.1 61.6	357 PHAZ 38.5 47.6 53.2 47.8 42.5 42.5 47.9	70.550 EMIS 34.6 20.9 6.9 11.9 22.4 28.5 38.2 32.2	V 1.98 ALPHA 30.9 10.3 -0.4 21.9 22.3 21.2 8.3	PTH 4 -73-978 11  SCALE 0. 329-72458 256-33527 174-82267 184-11109 188-82311 211-69566 199-35477	AZ 16.897 PT-P1 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93929 -2  3 -7.324 -35.257 1841.54514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.43559 -3  8 -19.785 -28.216 1980.17003 -1  9 -19.949 -34.770 1963.56767	S/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1 2.0 5.8 9.2 8.5 5.6 12.4 8.5 7.5 2.5 2.4	SEC TO I 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4 -78.0 -74.5	MPACT OOL AZA /1.9 61.4 71.1 50.8 36.6 48.1 56.3 68.3 82.1	ALT 1835.09427 A* 91.50868 90.05569 86.57002 87.72607 89.62849 92.15558 96.13908 93.66814 93.46814	LAT 7 -3.8 B/A 0.899 0.934 0.993 0.933 0.882 0.882 0.850 0.871	AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.7 -95.2	UN .737 INCU 70.3 59.7 52.7 64.4 65.9 68.1 61.6 55.7	357 PHAZ 38.5 47.6 53.2 47.8 42.5 42.5 47.9 53.3	70.550  EMIS 34.6 20.9 6.9 11.9 22.4 28.5 38.2 32.2 30.3	V 1.98 AL PHA 30.9 10.3 -0.8 10.4 21.9 22.9 21.2 8.3 -4.0	PTH 4 -73.978 11 SCALE 0. 329.72458 256.53527 174.82267 184.11109 184.2311 211.69566 199.35472 186.77090	AZ 16.897 PT-P1 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.3929 -2  3 -7.324 -35.757 1841.54514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.4559 -3  8 -19.785 -28.216 1980.17003 -9  -19.949 -34.770 1963.56767  10 -13.318 -35.024 1880.88727	S/C AZN 18.6 5.4 00.7 2.2 5.2 4.1 2.0 5.8 9.2 8.5 5.6 12.4 8.5 7.5 2.4 4.1 2.3	SEC TO 1 878-0 AZSUN -77-1 -79-3 -80-4 -81-5 -82-2 -81-3 -81-4 -78-0 -74-5	MPACT 1001 AZA 11.9 61.4 71.1 50.8 36.6 48.1 56.3 82.1 78.2	ALT 1835.09421 A= 91.50868 90.05569 86.57002 87.72607 89.02849 92.15558 96.13908 93.66814 92.42126 88.99586	LAT 7 -3-8 B/A 0.899 0.934 0.993 0.882 0.793 0.882 0.793 0.857 0.857 0.954	AZPHAZ -93.2 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2	UN .737 INCD 70.3 59.7 52.7 58.4 64.4 65.9 68.1 61.6 55.7 53.9	351 PHAZ 38-5 47-6 53-2 47-8 42-5 42-5 42-5 53-3 53-0	70.550  EMIS 34.6 20.9 6.9 11.9 22.4 28.5 38.2 30.3 18.3	V 1.98 AL PHA 30.9 10.3 -0.8 10.4 21.9 22.3 21.2 8.3 -4.0	PTH 4 -73-978 11  SCALE 03-72458 256-33527 174-82267 184-11109 188-82311 211-0956 199-35472 186-77090 200-98976	AZ 16-897 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93929 -2  3 -7.324 -35.757 1841.54514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.887 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.43559 -3  8 -19.785 -28.216 1980.17003 -1  9 -19.449 -34.770 1963.56767  10 -13.318 -35.024 1880.88727  11 -7.32 -35.257 1841.55514 1	S/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1 2.0 5.8 9.2 8.5 5.6 12.4 8.5 7.5 2.5 2.4 4.1 2.3	AZSUN -77.1 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4 -78.0 -74.5 -77.0	MPAC1 71.9 61.4 71.1 50.8 36.6 48.1 56.3 68.3 82.1 78.2 71.1	ALT 1835.09427 A• 91.50868 90.05569 86.57002 87.72607 89.62849 92.15558 96.13908 93.66814 92.42126 88.9586 86.57002	LAT 7 -3.8 B/A G.899 0.993 0.993 0.985 0.885 0.871 0.954 0.998	AZPHAZ -93.2 -90.2 -85.5 -85.5 -90.2 -94.7 -90.2 -94.7 -90.2 -94.8 -90.5	UN . 737 INCD 70.3 59.7 52.7 58.4 65.9 68.1 61.6 55.7 53.9	351 PHAZ 38.5 47.6 53.2 47.8 42.5 42.5 47.9 53.3 53.2	7U.550 EMIS 34.6 20.9 6.9 11.9 22.4 28.5 38.2 30.3 18.3 6.9	V 1.98 AL PHA 30.9 10.3 -0.8 10.4 21.9 22.3 21.2 8.3 -4.0 -1.4	PTH 4 -73-978 11 SCALE 0. 329-7.2458 256-31527 174-32267 184-11109 188-81311 211-09506 199-33-472 186-77090 200-98976 181-68892	AZ 16.897 PT-P1 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZ  1 -11.94c -17.853 2003.36853 -1  2 -13.062 -28.943 1894.9329 -2  3 -7.324 -35.757 1841.54514 i  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.45559 -3  8 -19.785 -28.216 1980.17003 -1  9 -19.949 -34.770 1963.56767  10 -13.318 -35.024 1880.88722  11 -7.324 -35.257 1841.54514 1  12 -2.66c -44.080 1856.25977	S/C AZN 18.6 5.4 00.7 2.2 5.2 4.1 2.0 5.8 9.2 8.5 5.6 12.4 8.5 7.5 2.4 4.1 2.3	SEC TO 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -82.2 -81.3 -81.4 -78.0 -74.5 -77.0 -80.4	MPACT 1001 AZA 11.9 61.4 71.1 50.8 36.6 48.1 56.3 82.1 78.2	ALT 1835.09427 A. 91.50868 90.05569 86.57002 87.72607 89.62849 92.15558 96.13908 93.6884 97.42126 88.36586 86.57002 84.54392 83.94151	LAT 7 -3-8 B/A 0-899 0-934 0-93 0-882 0-193 0-850 0-850 0-954 0-954 0-998	L 117 -34 AZPHAZ -93.2 -85.2 -85.2 -85.2 -85.2 -95.7 -95.2 -95.7 -95.2 -94.8 -90.2 -94.8 -90.2 -95.5 -92.2 -95.5	UN .737 INCD 70.3 59.7 58.4 64.4 65.9 68.1 61.6 55.7 53.9 52.7 46.5	357 PHAZ 38.5 47.6 42.5 42.5 42.5 53.3 53.2 53.2 53.2	70.550 EMIS 34.6 20.9 11.9 22.4 28.5 38.2 30.3 18.3 6.9 12.5 3.1	V 1.98 ALPHA 30.9 10.3 10.4 21.9 22.3 21.2 8.3 -4.0 -1.4 -0.8 -1.6	PTH 4 -73.9/8 11 SCALE 0. 329.7/458 250.5392/ 174.d226/ 184.11109 188.d2311 211.09366 199.35472 186.7/1000 200.98976 181.68492 225.37552 170.44739	AZ 16.897 PT-P1 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZ 1 -11.942 -17.853 2003.36853 -1 2 -13.082 -28.943 1894.93929 -2 3 -7.324 -35.257 1841.54514 1 4 -7.029 -29.447 1854.53857 -5 5 -6.715 -23.333 1904.17690 -7 6 -12.897 -22.516 1948.35011 -4 7 -19.775 -21.221 2041.45559 -3 8 -19.785 -28.216 1948.35013 -1 9 -19.944 -34.770 1963.56767 10 -13.318 -35.024 1880.88722 11 -7.324 -35.257 1841.54514 1 12 -2.662 -41.080 1856.25977 18 13 -2.372 -35.455 1836.43150 15 14 -2.026 -29.770 1849.33505 -15	S/C AZN 1.7 7.0 8.6 5.4 5.2 4.1 2.0 5.8 9.2 8.5 5.6 12.4 8.5 7.5 2.5 2.4 4.1 2.3 0.7 2.3 0.7 2.3 0.7 2.3 0.7 3.1	SEC TO 1 878-0 AZSU-77-1 -79-3 -80-4 -81-5 -81-3 -81-4 -78-0 -74-5 -77-0 -83-4 -83-7	MPAC1 001 AZA 71.9 61.4 71.1 50.8 36.6 48.1 56.3 68.3 82.1 78.2 71.1 100.5 35.7	ALT 1835-09427 91-50868 90-05569 86-57002 87-72607 89-62849 92-15558 96-13958 93-66814 92-42126 88-95586 86-57002 84-54392 83-94151 86-88434	LAT 7 -3.8 B/A 0.899 0.934 0.993 0.882 0.793 0.882 0.793 0.871 0.954 0.991 0.991	AZPHAZ -93.2 -93.2 -90.2 -85.5 -85.2 -84.1 -90.2 -95.7 -95.2 -94.8 -90.2 -85.5 -85.5 -85.6	UN .737 INCD 70.3 59.7 52.7 58.4 64.4 65.9 68.1 61.6 55.7 53.9 52.7 56.7	351 PHAZ 38-5 47-6 47-8 42-5 42-5 42-5 53-3 53-2 58-7 48-4	70.550 EMIS 34.6 20.9 6.9 11.9 22.4 28.5 38.2 30.3 18.3 6.9 12.5 10.2	V 1.98 ALPHA 30.9 10.4 21.9 22.3 21.2 21.2 4.0 -1.4 -0.8 -12.6	PIH 4 -73_9/8 11 SCALE 0. 329_7.2458 256_5_3927 174_82(267) 184_11(107) 188_82_511 211_6996 199_39472 186_77090 200_98976 181_68892 225_37552 170_44739 172_39738	AZ 6.897 PT-P1 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93927 -2  3 -7.324 -35.257 1841.54514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.43559 -3  8 -19.775 -21.221 2041.43559 -3  9 -19.949 -34.770 1963.56767 -1  10 -13.318 -35.257 1841.54514 1  12 -2.662 -41.080 1856.25977 16  13 -2.372 -33.455 1836.43150 15  14 -2.026 -29.770 1849.33505 -10  15 -1.611 -23.793 1897.77589 -5	5/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1 9.2 8.5 5.6 12.4 8.5 7.5 2.5 2.4 8.5 7.5 2.6 12.4 8.5 7.5 2.6 12.4 8.6 3 2.3 6.7 3.1 8.6 3 3.8	SEC 10 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -82.2 -81.5 -82.2 -81.5 -77.0 -80.4 -85.7 -83.4	MPAC1 001 AZA 71.9 61.4 71.1 56.8 36.6 48.1 56.3 68.3 82.1 71.1 10.6 60.5 35.7 23.0	ALT 1835.09427 91.50868 90.05569 86.57002 87.72607 89.02849 92.15558 96.13908 93.06814 92.42126 84.95586 86.57002 84.54392 83.44151 86.48434 88.29990	LAT 7 -3.8 B/A 0.899 0.934 0.933 0.882 0.793 0.850 0.871 0.954 0.998 0.991 0.991	L AZPHAZ -93.2 -93.2 -85.5 -85.2 -84.7 -95.2 -94.2 -95.5 -95.5 -85.5 -96.2 -96.8 -80.9 -80.9 -80.9	UN .737 INCU 70.3 59.7 52.7 58.4 65.9 68.1 61.6 55.7 52.7 46.5 52.7 46.5	351 PHAZ 38-5 47-8 47-8 42-5 47-9 53-3 53-2 58-9 53-7 48-1	70.550 EMIS 34.6 20.9 6.9 11.9 22.5 38.2 30.3 16.9 12.5 31.2 21.3	V 1.98 ALPHA 30.9 10.3 -0.8 10.4 21.9 22.3 21.2 8.3 -4.0 -1.4 -0.8 -12.4 -1.6 20.4	PTH 4 -73.9/8 11 SCALE 0. 329.72458 250.5352/ 174.8226/ 184.11109 188.8231 211.69566 199.35472 186.7/1900 200.98976 181.68892 275.3/552 275.3/552 170.44739 172.39738 181.36738	AZ 6.897 PT-P1 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -28.943 1894.9329 -2  3 -7.324 -35.251 1841.54514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.43559 -3  8 -19.785 -28.216 1948.35013 -1  9 -19.949 -34.770 1963.56767  10 -13.318 -35.024 1880.88722  11 -7.324 -355.257 1841.54514 1  12 -2.662 -41.080 1856.25972 11  13 -2.372 -35.455 1836.43150 15  14 -2.026 -29.770 1849.33505 -10  15 -1.611 -23.793 1897.77389 -5  16 -1.006 -17.203 1988.94665 -6	S/C AZN 1.7 7.0 0.7 2.2 2.0 5.8 9.2 4.1 2.0 5.8 9.2 8.5 5.6 12.4 8.5 7.5 2.5 2.4 4.1 2.3 0.7 2.2 9.3 4.3 1.4 6.3 3.1 8.0 3.8	SEC 10 1 878.0 AZSUN - 77.1 -79.3 -80.4 -81.5 -82.2 -81.5 -81.4 -74.5 -77.0 -80.4 -83.4 -83.7 -83.4	MPAC1 001 AZA /1.9 61.4 /1.1 50.8 36.6 48.1 56.3 68.3 82.1 71.1 10.6 60.5 35.7 23.0 15.3	ALT 1835-09427 91-50868 90-05569 86-57002 87-72607 89-62849 92-15558 96-13958 93-66814 92-42126 88-95586 86-57002 84-54392 83-94151 86-88434	LAT7 -3.8 B/A (1.899 0.993 0.993 0.993 0.882 0.793 0.850 0.871 0.954 0.991 0.991 0.990 0.960	L A7PHAZ	UN . 737 INCD 70.3 59.7 52.7 58.4 65.9 68.1 61.6 55.7 53.9 52.7 46.5 52.1 57.8	351 PHAZ 38-5 47-6 47-8 42-5 42-5 42-5 53-3 53-2 58-7 48-4	70.550 EMIS 34.6 20.9 11.9 22.5 38.2 30.3 18.3 18.5 12.5 3.1	V 1.98 ALPHA 30.9 10.4 21.9 22.3 21.2 21.2 4.0 -1.4 -0.8 -12.6	PTH 4 -73.9/8 11  SCALE 0. 329.72458 256.5352/ 174.8226/ 184.111.04956 199.35472 186.17090 200.98976 181.68892 275.3/552 170.44739 172.39738 181.36365 200.16928	AZ 6.877 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9-10 10-11 11-12 12-13 11-15 15-16
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 - 11.95 - 2003.3853 - 1 - 11.96 - 28.94 - 1894.3929 - 2 - 3 - 7.324 - 35.757 1841.54514 - 1 - 7.029 - 29.447 1854.58514 - 1 - 7.029 - 29.447 1854.58514 - 1 - 7.029 - 29.447 1854.5851 - 1 - 7.19.775 - 21.221 2041.43559 - 3 - 8 - 19.785 - 28.216 1980.1700 3 - 1 - 9.19.49 - 35.024 1880.88722 - 1 - 7.324 - 35.257 1841.54514 - 1 - 2.026 - 24.708 1856.25972 18 - 12.21 2.041.43559 - 1 - 1 - 3.45 - 3.55 - 1 - 1 - 3.45 - 3.55 - 1 - 3.55 - 1 - 3.55 - 1 - 3.55 - 1 - 3.55 - 1 - 3.55 - 1 - 3.55 - 1 - 3.55 -	S/C AZN 1.7 7.0 8.6 5.4 9.4 0.7 2.2 5.5 9.4 1.2 9.9 9.2 8.5 5.6 12.4 6.5 7.5 0.7 2.2 9.9 1.4 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	SEC 10 1 878.0 AZSUN -77.1 -79.3 -80.5 -81.5 -81.5 -71.0 -80.4 -74.5 -77.0 -80.4 -83.4 -83.4 -83.7 -83.4 -83.7 -83.7 -83.7 -83.7	MPACI 01 AZA /1.9 61.4 71.1 36.6 48.1 56.3 82.1 78.2 10.6 60.5 71.1 10.6 60.5 71.5 23.0 15.3 26.9	ALT 1835-09421 491-50868 90-05569 86-577002 87-72607 89-02849 92-15558 96-13908 93-06814 97-42126 88-96586 86-57002 83-94151 88-29990 91-24129 92-72357 92-72357	LAT7 -3.8 B/A G.899 G.983 G.983 G.983 G.850 G.850 G.850 G.954 G.998	117 -34  AZPHAZ -93.2 -90.2 -85.5 -85.2 -99.7 -95.2 -94.8 -90.2 -85.5 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2	UN .737 1NCU .70.3 59.7 52.7 58.4 64.4 65.9 68.1 61.6 55.7 46.5 52.1 57.4 63.7 70.3 71.1 72.8	357 PHAZ5 47.62 47.62 42.59 42.59 53.02 53.97 43.10 37.29	70.550 EMIS 34.6 20.9 6.9 22.4 28.5 38.2 30.3 18.3 6.9 12.5 3.1 33.1 33.1	V 1.98 AL PHA 30.9 10.3 -0.8 10.4 21.9 22.3 41.2 8.3 -4.0 -1.6 -12.4 -1.6 32.1 33.0	PIH 4 -73_9/8 11 5CALE 0. 329,72458 256_5152/ 174.4226/ 184.11109 188.82311 211.6956 199.35472 166.17090 200.98976 181.68492 275.3/552 170.444739 172.39738 181.36385 200.16928 160.85242 197.43412	AZ 6.897 Pf-Pl 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 11-12 11-12 12-13 13-14 15-16 16-17 17-18
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93927 -2  3 -7.324 -35.757 1841.54514 1  4 -7.029 -29.447 1854.5857 5  5 -6.715 -23.333 1904.17690 -7  6 -12.887 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.43559 -3  8 -19.785 -28.216 1980.17003 -7  9 -19.949 -34.770 1963.56767  10 -13.318 -35.24 1880.88727  11 -7.324 -35.257 1841.54514 1  12 -2.662 -41.040 1856.25972 11  13 -2.372 -35.455 1836.43150 15  14 -2.026 -29.770 1849.3350 -10  15 -1.611 -2.3793 1897.77589 -6  17 -5.369 -16.599 1988.12874 -1  18 -12.771 -15.329 2050.34006 -6  9 -19.972 -13.299 2050.34006 -6	S/C AZN 8.6 5.7 7.0 8.6 5.2 4.1 2.0 5.8 9.2 8.5 5.6 12.4 8.5 5.6 12.4 8.5 7.5 2.5 2.4 4.1 2.3 6.7 3.1 8.5 6.7 3.1 8.0 3.3 6.7 3.1 8.0 3.3 6.7 3.1 8.0 1.3 6.7 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	SEC 10 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -81.4 -74.5 -77.0 -80.4 -85.7 -83.4 -82.7 -83.4 -82.7	MPACI AZA /1-9 61-4 71-1 50-8 36-6 46-3 82-1 71-1 10-5 35-7 21-3 26-9 37-8 46-3	ALT 1835.09421 491.50868 90.05569 86.57002 87.72607 89.02849 92.15558 96.13908 93.06814 92.42126 88.96586 86.57002 84.56392 83.94151 86.48434 88.2990 91.24129 92.72357 95.62465	LAT7 -3.8 B/A (.899 0.934 0.998 0.993 0.882 0.793 0.871 0.954 0.991 1.000 0.950 0.867 0.994 0.994 0.994 0.996 0.960 0	L A Z PHA Z - 3-4 Z PHA Z - 3-1 Z - 3-	UN .737 INCD 70.3 59.7 52.7 58.4 64.4 65.9 68.1 61.6 53.9 52.7 46.5 63.7 70.8	357 PHAZ 38.6 47.6 53.8 47.9 42.5 42.5 53.0 53.0 53.2 53.2 53.2 36.2 37.2 36.2	70.550 EMIS 34.6 20.9 6.9 22.4 28.5 38.2 30.3 18.3 6.9 12.5 3.1 34.0 347.5	V 1.98 AL PHA 9 10.3 10.3 10.4 21.9 22.3 21.2 21.2 21.2 21.2 33.9 35.3	PIH 4 -73.9/8 11  SCALE 0. 329.72458 256.5352/ 174.8226/ 184.11109 188.82311 211.69366 199.3547/ 186.7790 200.9897 181.68892 275.37552 170.44739 172.39738 181.36365 200.16928 160.85242 197.43412 226.63291	AZ 6.897 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 14-15 15-16 16-17 17-18
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.94 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93929 -2  3 -7.324 -35.757 1841.54514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.45559 -3  8 -19.785 -28.216 1948.17003 -1  9 -19.949 -34.770 1963.56767  10 -13.318 -35.024 1880.88722  11 -7.324 -35.257 1841.54514 1  12 -2.662 -41.080 1856.25977 1  13 -2.372 -35.455 1836.43150 11  14 -2.026 -29.770 1849.33505 -10  15 -1.611 -23.793 1897.77589 -3  16 -1.096 -17.203 1988.96465 -5  17 -6.309 -16.569 1988.12874 -5  18 -12.771 -15.329 2050.34006 -5  19 -19.972 -13.709 2160.49783 -4  20 -28.956 -9.117 2357.56216 -3  20 -28.956 -9.117 2357.56216	S/C AZN 1.7 7.0 8.6 5.4 4.1 2.0 5.2 4.1 2.0 5.8 4.5 5.6 12.4 4.1 2.3 0.7 2.2 3.4 1.4 1.4 1.6 1.3 1.6 1.7 3.1 1.6 1.7 3.1 1.6 1.7 3.1 1.6 1.7 3.1 1.6 1.7 3.1 1.7 3.1 3.1 1.7 3.1 3.1 1.7 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	SEC 10 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -81.5 -74.5 -74.5 -74.5 -74.5 -83.4 -83	MPACT 001 AZA /1.9 61.4 50.8 36.6 36.3 68.3 68.3 78.1 10.6 60.5 73.0 15.3 23.0 15.3 24.8 46.3 55.3 3	ALT 1835-09421 A- 91-50868 90-05569 86-57002 87-72607 89-62849 92-15558 96-13908 93-68814 97-42126 88-96586 86-57002 83-94151 88-29990 91-24129 92-72357 92-72357 92-72357 95-62465	B/A (7 -3.8 B/A (0.899 (0.933 (0.882 (0.793) (0.887) (0.987) (0.998) (0.99	117 -34  A7PHAL -93.2 -90.2 -85.5 -85.2 -95.7 -90.2 -94.8 -90.2 -94.8 -90.2 -95.5 -82.2 -84.0 -80.9 -84.0 -80.9 -84.0 -80.9 -84.0 -80.9 -84.0	UN .737 INCD 70.3 59.7 52.7 58.4 64.4 65.9 68.1 61.6 55.7 53.9 52.7 46.5 57.8 63.7 70.3 70.3 70.3 70.6 80.3	351 PHAZ 38.5 47.6 47.9 42.5 47.9 53.0 53.2 58.7 43.0 37.2 36.2 38.2 38.2	70.550 EMIS 34.6 20.9 11.9 22.4 28.5 38.2 30.3 18.3 6.9 12.5 10.2 21.3 33.1 34.1 34.5 59.8	V 1.98 AL PHA A 30.9 10.3 -0.8 4 10.4 21.9 22.3 24.2 8.3 -4.0 4.0 -1.4 4.0 -1.4 32.9 35.0 35.0 35.0 35.0 35.0 35.0 35.0 35.0	PIH 4 -73.9/8 11  SCALE 0. 329.72458 256.53527 174.43267 184.11109 188.82311 211.69366 199.33477 186.77090 200.98976 181.68892 275.37552 170.44739 172.39738 181.36365 200.16928 160.85242 274.3421 274.51498 263.67289	AZ 16-877 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93929 -2  3 -7.324 -35.257 1841.54514 14  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.45559 -3  8 -19.785 -28.216 1948.35011 -4  9 -19.949 -34.770 1963.56767  10 -13.318 -35.024 1880.88722  11 -7.324 -35.257 1841.54514 11  12 -2.662 -41.080 1856.29972 16  13 -2.372 -35.455 1836.43150 15  14 -2.026 -29.770 1849.31505 16  15 -1.611 -23.793 1897.77389 -5  16 -1.096 -17.203 1988.94655 -5  17 -6.369 -16.569 1998.12874 -1  18 -12.771 -15.329 2050.34006 -6  19 -19.972 -13.209 2160.49783 -6  20 -28.956 -9.117 2367.56216 -2  21 -28.907 -1876 2077.31708	S/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1 2.0 5.8 9.9 2.8 12.4 5.5 5.6 12.4 14.1 2.3 18.0 3.4 14.6.3 18.0 3.4 18.0 3.4 18.0 1.8 18.0 18.0 18.8 18.0 18.8	SEC 10 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -81.5 -81.5 -77.0 -80.4 -83.7 -83.7 -83.7 -83.7 -83.7 -83.4 -83.4 -81.6	MPACI AZA /1-9 61-4 71-1 50-8 36-6 46-3 82-1 71-1 10-5 35-7 21-3 26-9 37-8 46-3	ALT 1835.09421 491.50868 90.05569 86.57002 87.72607 89.02849 92.15558 96.13908 93.06814 92.42126 88.96586 86.57002 84.56392 83.94151 86.48434 88.2990 91.24129 92.72357 95.62465	LAT7 -3.88 B/A (1.899 0.934 0.934 0.938 0.850 0.871 0.954 0.991 1.000 0.995 0.995 0.996 0.991 0.996 0.996 0.990 0.900 0.	L L A7 PHA2   -93.2   -90.2   -85.5   -85.2   -84.1   -90.2   -95.2   -94.8   -90.2   -94.8   -90.2   -81.6   -80.9   -80.0   -79.0   -84.2   -90.2   -90.2   -90.2   -90.2   -90.2   -90.2   -90.2   -90.2   -90.2   -101.0	ON .737 INCD 70.3 59.7 58.4 65.9 68.1 61.6 55.7 46.5 52.1 57.8 63.7 70.3 71.1 72.6 80.3 71.6	357 PHAZ 38.5 47.8 42.5 47.8 42.5 47.9 53.0 53.2 53.2 53.2 53.2 43.1 38.0 37.2 38.2 38.2 43.1 34.2 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1	70.550 EMIS 34.6 20.9 6.9 22.4 28.5 38.2 30.3 18.3 6.9 12.5 3.1 34.0 347.5	V 1.98 ALPHA 30.9 10.3 10.4 21.9 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 21.2 8.3 8.3 9.2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PTH 4 -73.9/8 11 SCALE 0. 329.7/458 256.5352/ 174.8226/ 184.11(09) 188.8231 211.69566 199.35472 186.7/1900 200.98976 181.68892 275.37552 170.44739 172.39738 181.36365 200.16928 263.67289 266.63291 294.51498	AZ 6.897 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 11-13 13-14 14-15 15-16 18-19 19-20 20-21 21-22
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93929 -2  3 -7.324 -35.757 1841.54514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.877 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.43559 -3  8 -19.785 -28.216 1980.17003 -1  9 -19.949 -34.770 1963.56767  10 -13.318 -35.024 1880.88722  11 -7.324 -355.257 1841.54514 1  12 -2.662 -41.080 1856.25972 11  13 -2.372 -35.455 1836.43150 15  14 -2.026 -29.770 1849.31505 -15  15 -1.611 -23.793 1897.77589 -5  16 -1.096 -17.203 1988.9665 -5  17 -0.369 -16.569 1998.12874 -1  18 -12.771 -15.329 2050.34006 -1  19 -19.972 -13.209 2160.49783 -6  20 -28.956 -99.117 2367.56216 -1  21 -28.077 -18.976 2207.31708 -2  22 -27.788 -27.059 2129.03925 -1  23 -27.817 -34.464 2106.92365	S/C AZN 1.7 7.0 8.6 5.4 0.7 2.2 5.2 4.1 2.0 5.8 9.2 8.5 5.6 12.4 8.5 7.5 2.5 2.4 4.1 2.3 0.7 2.2 2.4 6.3 2.3 0.7 2.2 1.8 0.7 1.8 0.7 1.8 0.7 1.8 0.7 1.8 0.7 1.8 0.7 1.7 0.8 1.8 0.7 1.8 0.	SEC 10 1 878.0 AZSUN - 77.1 -79.3 -80.4 -81.5 -81.5 -81.5 -77.0 -80.4 -85.7 -83.7 -83.7 -83.7 -83.7 -83.4 -83.7 -82.7 -83.4 -91.1 -83.4	MPACI 001 AZA 71-1 536-6 48-1 56-8 56-3 82-1 71-1 10-5 35-7 10-5 35-7 23-9 46-3 54-3 46-3 54-3 46-3	ALT 1835-09427 491-50868 90-05569 86-57002 87-72607 89-62849 92-15558 93-6814 92-42126 88-96586 86-57002 84-54392 83-94151 86-6845 91-24129 92-72357 90-62465 91-26129 92-72357 91-31136 91-7102-57267 94-33136 97-78197	LAT 7 -3.8 8/A 6.899 0.934 0.933 0.933 0.882 0.793 6.850 0.871 0.954 0.991 1.000 0.990 0.947 0.9691 0.691 0.691 0.691 0.691 0.691	117 -34 A7PHA2 -93.2 -90.2 -85.5 -85.2 -84.1 -90.2 -94.2 -94.8 -90.2 -85.5 -85.5 -82.2 -81.6 -80.9 -80.0 -79.0 -80.0 -79.0	UN .737 INCU 70.3 59.7 58.4 65.9 68.1 61.6 65.7 46.5 52.1 70.3 71.1 72.8 75.6 63.7 71.1 72.8	351 38.5 47.6 47.8 42.5 42.5 42.5 53.0 53.7 44.3 38.0 37.2 36.9 37.2 43.3 48.6 53.8	70.550 EMIS 34.6 20.9 11.9 22.5 38.2 330.3 18.3 6.9 12.5 10.2 21.3 33.1 339.0 47.5 50.6 45.6	V 1.98 ALPHA 30.9 10.3 30.9 10.3 21.2 22.3 24.2 24.2 20.4 32.1 35.6 35.6 35.6 35.6 4.6 4.6	PIH 4 -73_9/8 11  SCALE 0. 329,72458 256_5152/ 174,43226/ 184,11109 188,82311 211,6956 199,35472 186,77090 200,98976 181,64892 275,37552 170,44739 172,39738 181,36365 200,16928 160,85242 197,4434 242,51438 243,67289	AZ 16-877 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-12 12-13 11-15 16-17 17-18 18-19 19-20 21-21 21-22 22-22 22-22
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.4943 1894.93927 -2  3 -7.324 -35.257 1841.55514 1  4 -7.029 -29.447 1854.55857 5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.43559 -3  8 -19.785 -26.216 1948.17003 -1  9 -19.949 -34.770 1963.56767  10 -13.318 -35.024 1880.88727 11  17 -32.4 -35.257 1841.55514 12  -2.662 -41.080 1856.25977 16  13 -2.372 -33.455 1836.43150 15  14 -2.026 -29.770 1849.33505 -10  15 -1.611 -23.793 1897.77589 -3  16 -1.096 -17.203 1988.96465 -5  17 -0.369 -16.599 1998.12874 -1  18 -12.771 -15.329 2050.34006 -6  19 -19.972 -13.209 2160.497832  20 -28.956 -9.117 2367.56216 -1  21 -28.077 -18.976 2207.31708 -2  22 -27.786 -27.059 2129.03925 -1  23 -27.817 -34.464 (106.92365)	S/C AZN 1.7 7.0 0.7 2.2 5.8 4.5 5.2 4.1 2.0 5.8 4.5 5.6 12.4 4.1 2.3 0.7 2.2 5.6 12.4 4.1 2.3 0.7 2.2 10.7 2.2	SEC 10 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -81.5 -81.5 -74.5 -74.5 -74.5 -74.5 -74.5 -74.5 -74.5 -74.5 -83.4 -83.7 -83.4 -82.7 -83.4 -82.7 -83.4 -82.7 -83.4 -82.7 -83.4 -82.7 -83.4 -83.4 -83.6 -83	MPACI 001 AZA /19 /11 366 481 782 711 605 230 159 3/-8 46.3 530 671 841 841 841 841 851 861 871 8	ALT 1835.09421 91.50868 90.05569 86.57002 87.72607 89.22849 92.15558 96.13908 84.95586 86.57002 88.96586 86.57002 83.94151 86.48434 88.2990 91.24129 92.72357 95.62465 100.3627 102.57267 79.33136 97.78179 77.03353	LAT7 -3-8 B/A (1-89) 0.934 0.993 0.933 0.933 0.933 0.953 0.882 0.793 0.871 0.954 0.991 0.991 0.991 0.991 0.991 0.901 0.900 0.9671 0.906	L L L L L L L L L L L L L L L L L L L	UN . 737 INC D . 70.3 70.3 52.7 52.7 52.7 66.9 66.6 65.7 55.7 52.1 72.8 77.1.1 72.8 80.3 71.1.1 72.8 80.3 76.4 65.9 65.9	35; PHAL 38.5 47.6 47.9 42.2 42.5 53.3 53.2 53.2 53.7 48.4 33.2 38.9 37.2 38.9 37.2 38.9 48.6 53.8	70.550 EMIS 34.6 20.9 11.9 228.5 38.2 30.3 18.3 2.5 10.2 21.3 34.1 34.1 34.1 34.1 34.1 34.1 34.6 45.6	V 1.98 AL PHA 30.9 10.3 10.3 -0.8 10.3 21.2 2.3 21.2 2.3 21.2 2.3 35.0 35.0 35.0 35.0 4.0 -12.4 4.0 -2.4 -2.4 -2.4 -2.4 -2.4 -2.4 -2.4 -2.4	PTH 4 -73.978 11  SCALE 0. 329.72458 256.53527 174.82267 184.11109 188.82311 211.69366 199.35472 186.77090 200.9897 170.44739 172.39738 181.36365 200.16528 160.85242 197.43412 226.63291 2294.51498 263.67289 198.39895 198.39895 198.39895 198.39895	AZ 16.897 PT-P1 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 15-16 16-17 17-18 19-12 19
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -11.942 -17.853 2003.38853 -1 2 -13.082 -28.943 1894.93929 -2 3 -7.324 -35.257 1841.54514 1 4 -7.029 -29.447 1854.53857 -5 5 -6.715 -23.333 1904.17690 -7 6 -12.897 -22.516 1948.35011 -4 7 -19.775 -21.221 2041.43559 3 8 -19.785 -28.216 1948.35011 -4 7 -19.775 -21.221 2041.43559 -1 0 -13.318 -35.024 1880.88722 1 1 -7.324 -355.257 1841.54514 1 12 -2.662 -41.080 1856.25972 1 12 -2.372 -33.455 1836.43150 1 14 -2.026 -29.770 1849.33505 -1 15 -1.611 -23.773 1897.77.89 -5 16 -1.006 -17.203 1988.94655 -1 18 -12.771 -15.32 2050.34006 -1 19 -19.972 -13.209 2160.49783 -4 20 -28.956 -9.117 2367.56216 -1 21 -24.077 -18.976 2207.31708 -2 21 -27.768 -27.059 2129.03925 -1 23 -27.817 -34.464 2106.92365 24 -28.176 -41.778 1233.78667 1 25 -20.26 -41.768 1233.78667 1	S/C AZN 1.7 7.0 8.6 5.4 9.4 0.7 2.2 5.8 8.5 5.6 12.4 4.1 2.3 0.7 2.2 5.6 12.4 4.1 2.3 0.7 2.2 10.6 3.2 10.6 12.3 10.6 11.2 11.4 1	SEC 10 1 878.0 AZSUN 1 -77.1 -79.3 -80.4 -81.5 -81.5 -81.5 -71.0 -83.4 -83.7 -83.7 -83.7 -83.7 -83.4 -83.7 -83.4 -83.7 -83.4 -83.7 -	MPAC1 001 AZA /1.7 50.8 36.6 48.1 56.3 68.3 77.1 10.8 46.3 55.7 23.0 60.5 23.0 60.5 46.3 60.3 6	ALT 1835-09421 ALT 91-50868 90-05569 86-57002 87-72607 89-62849 92-15558 96-13908 93-66814 92-42126 88-9586 86-57002 84-54392 83-94151 86-6845 84-54392 83-94151 86-6845 91-7417 92-72357 91-7417 92-72357 91-7417 91	LAT 7 -3.8 8/A 6.899 0.934 0.998 0.993 0.982 0.793 0.882 0.793 0.981 0.991 0.991 0.991 0.991 0.991 0.991 0.714 0.521 0.741 0.741 0.741	117 -34 A7PHA2 -93.2 -90.2 -85.5 -85.2 -84.1 -90.2 -94.7 -95.2 -14.8 -80.9 -80.0 -79.0 -84.2 -90.3 -102.2 -101.0 -102.2 -101.2 -99.3 -102.2 -101.2 -99.3 -102.2 -101.2 -99.3 -102.2 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2 -99.3 -104.2	UN . 737 INCD . 70. 3 7 52. 7 7 64. 4 65. 9 6 65. 9 7 52. 7 7 70. 3 7 70. 6 8 7 70. 6 8 7 70. 6 8 6 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	35: 28.5 47.8 42.5 42.5 47.8 47.8 47.8 53.3 53.2 53.3 53.2 53.3 38.0 33.2 36.9 37.2 36.9 37.2 38.5 43.3 38.5 53.3 5	70.550  EMIS 34.6 20.9 11.9 28.5 38.2 38.2 38.3 6.9 12.5 3.1 10.2 33.1 34.1 34.1 34.0 47.5 6.5 45.6 45.6	V V 1.98 AL PHA 30.9 10.3 10.3 10.3 10.3 10.4 21.9 22.3 24.4 -0.8 -1.4 -1.6 32.1 35.6 35.2 35.6 29.4 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6	PIH 4 -73_9/8 11  SCALE 0. 329,72458 256_5,1927 174,432267 184,11109 188,82311 211,6996 199,39472 186,17090 200,98976 181,64892 275,37552 170,44739 172,39738 181,36365 200,16928 160,85242 197,434739 216,49157 198,39895 195,87134 240,32161	AZ 16-877 PT-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 11-12 12-13 11-15 16-17 17-18 18-19 19-22 20-21 21-22 22-23 23-22 24-25
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE AZ  1 -11.942 -17.853 2003.36853 -1  2 -13.082 -28.943 1894.93927 -2  3 -7.324 -35.257 1841.556514 1  4 -7.029 -29.447 1854.53857 -5  5 -6.715 -23.333 1904.17690 -7  6 -12.897 -22.516 1948.35011 -4  7 -19.775 -21.221 2041.43559 -3  8 -19.775 -21.221 2041.43559 -3  8 -19.775 -21.221 2041.43559 -1  9 -19.949 -34.770 1963.56767 -1  10 -13.318 -35.257 1841.55514 1  12 -2.662 -41.080 1856.25977 16  13 -2.372 -33.455 1836.43150 15  14 -2.266 -24.700 1849.33505 -10  15 -1.611 -23.773 1897.77589 -5  16 -1.096 -17.203 1988.96465 -5  17 -0.369 -16.599 1998.12874 -1  18 +12.771 -15.329 2050.34006 -6  19 -19.972 -13.709 2159.04978 -2  20 -28.956 -9.117 2567.56216 -2  21 -22.077 -18.976 2207.31708 -2  22 -27.788 -27.659 2129.03925 -1  23 -27.817 -34.464 2106.92365 -2  24 -28.176 -41.778 2133.78667 25 -20.256 -41.254 1987.25000 25  6 -1.6067 -41.254 1987.25000 25  6 -1.6067 -41.274 1987.25000 25	S/C AZN 1.7 7.0 0.7 2.2 5.8 4.5 5.2 4.1 2.0 5.8 4.5 5.6 12.4 4.1 2.3 0.7 2.2 5.6 12.4 4.1 2.3 0.7 2.2 10.7 2.2	SEC 10 1 878.0 AZSUN -77.1 -79.3 -80.4 -81.5 -81.4 -74.5 -77.0 -80.4 -83.7 -83.7 -83.4 -83.7 -83.4 -82.7 -83.4 -82.7 -83.4 -82.7 -83.4 -82.7 -83.4 -83	MPACI 001 AZA /19 /11 366 481 782 711 605 230 159 3/-8 46.3 530 671 841 841 841 841 851 861 871 8	ALT 1835.09421 91.50868 90.05569 86.57002 87.72607 89.22849 92.15558 96.13908 84.95586 86.57002 88.96586 86.57002 83.94151 86.48434 88.2990 91.24129 92.72357 95.62465 100.3627 102.57267 79.33136 97.78179 77.03353	1.417 7 -3.88/A 7 -899 0.993 0.993 0.983 0.882 0.793 0.882 0.871 0.954 0.991 0.995 0.991 0.900 0.866 0.901 0	117 -34 A7PHA2 -93.2 -90.2 -85.5 -85.2 -84.1 -90.2 -95.7 -95.2 -84.6 -80.9 -84.2 -90	UN . 737 INCD . 70.3 7 52.7 7 52.7 7 53.4 64.4 65.9 668.1 61.6 65.7 55.7 70.3 77.6 63.7 71.6 658.4 649.9 48.2 49.9 48.2	355.2 53.2 42.5 47.9 53.2 53.3 53.0 38.0 38.0 38.0 33.3 48.4 53.8 55.8 55.8 55.8	70.550  EMIS 34.6 20.9 11.9 28.5 38.2 38.2 318.3 6.9 12.5 12.1 33.1 33.1 33.1 34.1 34.6 47.5 47.5 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6	V V 1.98 AL PHA AL 30.9 10.3 10.3 10.3 10.4 21.9 22.3 24.1 4.0 10.4 10.4 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	PIH 4 -73_9/8 11  SCALE 0. 329.72458 256_5.3927 174.43267 184.11109 188.82311 211.69966 199.39472 176.17090 200.98976 181.64892 275.37552 170.44739 172.39738 181.36365 200.16928 160.85242 197.439738 181.36365 200.16928 160.85242 197.439738 181.36365 200.16928 160.85242 197.439738 181.36365 200.16928 160.85242 197.43178 240.1348401	AZ 16-877 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-15 16-17 17-18 18-19 19-20 20-21 21-23 22-23 23-24 24-25 25-26 26-27 26
TRAJECTURY DATA  PHUTO DATA  PT LAT LON RANGE 1 -11.942 - 17.853 2003.38853 -1 2 -13.082 - 28.943 1894.93929 -2 3 -7.324 -35.757 1841.54514 1 4 -7.029 -29.447 1854.53857 -5 5 -6.715 -23.333 1904.17690 -7 6 -12.897 -22.516 1948.35011 -4 7 -19.775 -21.221 2041.43559 -3 8 -19.785 -28.216 1948.35013 -1 9 -19.949 -34.770 1963.56767 10 -13.318 -35.024 1880.88722 11 -7.324 -355.257 1841.54514 1 12 -2.662 -41.080 1856.25972 1 13 -2.372 -33.455 1836.43150 1 14 -2.026 -29.770 1849.33505 -10 15 -1.611 -23.793 1897.77589 -5 16 -1.096 -17.203 1988.96465 -7 17 -5.369 -16.569 1998.12874 -7 18 -12.771 -15.329 2050.34006 -1 19 -19.972 -13.209 2160.49783 -6 20 -28.956 -9.117 2367.56216 -1 21 -28.077 -18.976 2207.31708 -2 22 -27.768 -27.059 2129.03925 -1 23 -27.817 -34.464 2106.92365 -1 25 -20.256 -41.254 1987.25000 26 -13.607 -41.043 1902.83293 -2 27 -7.610 -41.071 1862.26459	S/C AZN 8.6 5.7 7.0 8.6 5.2 4.1 2.0 5.8 9.2 9.9 9.2 8.5 5.6 12.4 8.5 7.0 12.4 2.3 9.0 1.2	SEC 10 1 878-0 AZSUN -77-1 -79-3 -80-4 -81-5 -82-5 -81-4 -78-0 -74-0 -74-0 -77-0 -83-7 -83-7 -83-7 -83-4 -82-7 -83-4 -83-6 -74-0 -74	MPACI 01 AZA 71-1 561-4 71-1 56-3 66-3 66-3 78-2 71-1 10-6 60-5 73-7 23-0 60-5 74-7 23-0 60-3 74-7 23-0 61-4 73-1 61-4 74-7 61-4 75-1 61-4 76-1 76-1 7	ALT 1835.09421 491.50868 90.05569 86.57002 87.72607 89.02849 92.15558 96.13908 84.56392 84.56392 84.56392 84.56392 84.56392 86.57002 87.76797 128.2990 91.24129 92.72357 92.72357 93.3136 97.76797 97.3353 92.22011 88.75612	LAT 7 -3-8 8/A (-899 0-934 0-983 0-873 0-850 0-933 0-850 0-950 0-951 0-9	A7PHAZ A7PHAZ -93.2 -90.2 -85.5 -85.2 -85.2 -94.8 -90.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.2 -101.0 -100.1 -99.3 -98.6 -90.1	UN . 737 INCD . 70.3 7 52.7 7 52.7 7 53.4 64.4 65.9 668.1 61.6 65.7 55.7 70.3 77.6 63.7 71.6 658.4 649.9 48.2 49.9 48.2	355.2 53.2 42.5 47.9 53.2 53.3 53.0 38.0 38.0 38.0 33.3 48.4 53.8 55.8 55.8 55.8	70.550 EMIS 34.6 20.9 11.9 6.9 11.9 28.5 38.2 30.3 18.3 18.9 12.5 10.2 33.1 10.2 33.1 10.2 47.5 59.8 45.6 45.6 45.6	V V 1.98 AL PHA AL 30.9 10.3 10.3 10.3 10.4 21.9 22.3 24.1 4.0 10.4 10.4 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	PIH 4 -73_9/8 11  SCALE 0. 329.72458 256_5.3927 174.43267 184.11109 188.82311 211.69966 199.39472 176.17090 200.98976 181.64892 275.37552 170.44739 172.39738 181.36365 200.16928 160.85242 197.439738 181.36365 200.16928 160.85242 197.439738 181.36365 200.16928 160.85242 197.439738 181.36365 200.16928 160.85242 197.43178 240.1348401	AZ 16-877 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-15 16-17 17-18 18-19 19-20 20-21 21-23 22-23 23-24 24-25 25-26 26-27 26

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RA-VII CAMERA FA

KA FA

JULY 31,1964 13 H	R 11 MIN 15	SEC 918	MS		TAB NO	29	ATL	AS PHOTO	NO	29		POD	SEQUENCE NO	64
TRAJECTURY DATA				SEC TO 872		ALT 1825-32901	LA?		ON .697	356	R 50.784	V 1.986	PTH 5 -73.947 11	AZ 16.892
PHOTO DATA														
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A					ALPHA	SCALE	PT-PT
	1992-86267		7.0	-77.2	71.7	91.03605		-93.2		38.5		30.9	0.	0-1
	1885.20248	-28.7 10.0	5.4	-79.3 -80.4	61.3 70.8	89.59296 86.11461		-90.2 -85.5		47.6		10.3	327.51645	1- 2
	1844.94414	-55.3	2.3 4.1	-81.4	50.7	87.27215		-85.2		53.2 47.8		-0.7	255.25596	
	1894.47484	-71.9	5.8	-82.2	36.6	89.17158		-84.7		42.5		21.9	173.92372	3- 4 4- 5
6 -12.895 -22.489	1938.49667	-49.3	8.5	-81.3	48.0	91.68951		-90.2		42.2		22.3	187.88079	5- 6
	2031.05580	-35.6	12.4	-81.4	56.2	95.65033		-95.7		42.5		21.2	210.59679	6- 7
	1969.94591	-18.7	7.5	-78.0	68.1	93.18443		-95.2		47.9		8.4	198.38094	7- 8
	1953.16005	2.4	2.4	-74.6	81.9	91.93117		-94.8		53.3		-3.9	185.81707	8- 9
	1870.98207	3.8	2.3	-77.1	78.0	88.49734		-90.2		53.0		-1.3	199.89958	9-10
	1831.79359 1845.99918	10.0	2.3	-80.4	70.8	86.11461		-85.5		53.2		-0.7	180.74031	
	1826.58789	103.2 157.4	2.3	-83.3 -83.6	9.6 60.2	84.03486 83.48454		-82.2 -81.6				-12.3	224.12650	
	1839.64108		3.1	-83.7		86.03075		-80.9		53.7 48.4		-1.5 9.3	169.48303	
	1887.96864	-97.8	3.8	-83.4	23.1	87.84305		-80.0		43.1		20.4	180.45607	
	1978.72746	-95.2	4.3	-82.7		90.77081		-79.0		38.0		32.1	199.15418	
	1988.00050	-77.9	7.3	-82.7	27.0	92.25314	0.847	-84.2		37.2		33.9	160.03922	
	2040.01836	-60.6	11.5	-83.4	37.8	95.14325		-90.2		36.9		35.0	196.45431	
	2149.51105	-47.6	17.3	-85.4	46.3	99.85268		-96.3		37.2		35.2	225.43211	
	2354.86322	-38.4	27.4	-91.0	53.0	108.00970				38.2		36.0	292.52767	
	2195.73563	-27.4	19.3	-83.5 70.2	62.4 73.0	102-03444				43.3		18.6	262-10832	
	2095.43616	-13.1 1.7	2.8	-73.4	84.7	98-80431 97-25418				48.6		4.1 -9.3	215.39177	
	2121.61777	16.9	-5.8	-68.3	6.9	97.07608		-98.6				-22.2	194.70569	
	1976.31412	22.8	-2.8	-70.5	6.6	91.71231		-94.4				-15.9	238.72237	
	1892.46753	34.2	-1.0	-74.2	6.8	88.27264		-90.1				-12.8	200.33429	
	1852.08534	60.9	0.3	-78.8	7.9	86.04757		-85.9	47.2	58.5	14.0	-11.8	180.66858	26-27
28 -2.714 -40.960	1845.99918	103.2	1.3	-83.3	9.6	84.03486	0.990	-82.2	46.6	58.9	12.3	-12.3	149.06736	27-28
JULY 31,1964 13 HI	R 11 MIN 21	SEC 38	MS		TAB NO	30	ATL	AS PHOTO	NO NO	30		POD	SEQUENCE NO	66
JULY 31,1964 13 HI	R 11 MIN 21	SEC 38	MS	SEC 10 867.	IMPACT	30 ALT 1815.5558	LA		ÜN		R 51.011	v	PTH	AZ
	R 11 MIN 21	SEC 38	MS	SEC TO	IMPACT	ALT	LA	ΓL	ÜN			v	•	AZ
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	SEC TO 867.	IMPACT .761	ALT 1815.5558	LA 5 -3.0 B/A	T L 957 -34 AZPHAZ	UN •656 INCD	35! PHAZ	51.011 Emis	V . 1.981	PTH	AZ 16.887 PT-PT
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.924 -17.890	RANGE 1982.34676	AZS/C -12.0	AZN 6.9	SEC TO 867. AZSUN -77.2	IMPACT .761 AZA 71.6	ALT 1815.55589 A= 90.56303	LA1 5 -3.1 8/A U.899	T L 357 -34 AZPHAZ -93.2	UN •656 INCD 70•2	355 PHAZ 38.5	51.011 EMIS 34.5	V 1.987 ALPHA 30.8	PTH 7 -73.916 1: SCALE 0.	AZ 16.887 PT-PT 0- 1
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.924 -17.890 2 -13.075 -28.827	RANGE 1982.34676 1875.45927	AZS/C -12.0 -28.8	AZN 6.9 5.5	SEC TO 867. AZSUN -77.2 -79.4	IMPACT .761 AZA 71.6 61.2	ALT 1815.5558 A= 90.56303 89.12992	LA 5 -3.0 8/A U.899 U.934	T L 357 -34 AZPHAZ -93.2 -90.2	UN •656 INCD 70•2 59•8	35! PHAZ 38.5 47.6	51.011 EMIS 34.5 20.9	V . 1.987 ALPHA 30.8 10.4	PTH 7 -73.916 1: SCALE 0. 325.29005	AZ 16.887 PT-PT 0- 1 1- 2
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080	RANGE 1982-34676 1875-45927 1822-03532	AZS/C -12.0 -28.8 9.2	AZN 6.9 5.5 2.3	SEC TO 867. AZSUN -77.2 -79.4 -80.4	IMPACT .761 AZA 71.6 61.2 70.4	ALT 1815.5558 A• 90.56303 89.12992 85.65899	B/A 0.899 0.934 0.998	T L 357 -34 AZPHAZ -93.2 -90.2 -85.6	UN .656 INCD 70.2 59.8 52.9	355 PHAZ 38.5 47.6 53.2	EMIS 34.5 20.9 6.9	V 1.987 ALPHA 30.8 10.4 -0.6	PTH 7 -73.916 1: SCALE 0. 325.29005 253.97623	AZ 16.887 PT-PT 0-1 1-2 2-3
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329	RANGE 1982-34676 1875-45927 1822-03532 1835-34486	AZS/C -12.0 -28.8 9.2 -55.3	AZN 6.9 5.5 2.3 4.1	SEC TO 867. AZSUN -77.2 -79.4 -80.4 -81.4	AZA 71.6 61.2 70.4 50.6	ALT 1815.55589 Ae 90.56303 89.12992 85.65899 86.81800	B/A 0.899 0.934 0.998 0.982	T L 457 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2	UN .656 INCD 70.2 59.8 52.9 58.5	35! PHAZ 38.5 47.6 53.2 47.8	EMIS 34.5 20.9 6.9 12.1	V 1.987 ALPHA 30.8 10.4 -0.6 10.5	PTH 7 -73.916 1: SCALE 0. 325.29005 253.97623 173.02470	AZ 16.887 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -5.773 -23.274	RANGE 1982.34676 1875.45927 1822.03532 1835.34486 1884.77107	AZS/C -12.0 -28.8 9.2 -55.3 -71.8	AZN 6.9 5.5 2.3 4.1 5.8	SEC TO 867. AZSUN -77.2 -79.4 -80.4 -81.4 -82.2	AZA 71.6 61.2 70.4 50.6 36.7	ALT 1815.5558 Ae 90.56303 89.12992 85.65899 86.81800 88.71459	LA <sup>1</sup> 5 -3.0 8/A 0.899 0.934 0.998 0.982 0.933	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7	UN .656 INCD 70.2 59.8 52.9 58.5 64.5	35! PHAZ 38.5 47.6 53.2 47.8 42.5	EMIS 34.5 20.9 6.9 12.1 22.5	V . 1.987 ALPHA 30.8 10.4 -0.6 10.5 22.0	PTH 7 -73.916 1: SCALE 0. 325.29005 253.97623 173.02470 182.29906	AZ 16.887 PT-PT 0- 1 1- 2 2+ 3 3- 4 4- 5
TRAJECTORY DATA PHOTO DATA PHOTO UATA PT LAT LON 1 -11.924 -17.890 2 -13.015 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462	RANGE 1982-34676 1875-45927 1822-03532 1835-34486	AZS/C -12.0 -28.8 9.2 -55.3	AZN 6.9 5.5 2.3 4.1	SEC TO 867. AZSUN -77.2 -79.4 -80.4 -81.4 -82.2 -81.3 -81.4	AZA 71.6 61.2 70.4 50.6	ALT 1815.55589 Ae 90.56303 89.12992 85.65899 86.81800	LAT 5 -3.0 8/A 0.899 0.934 0.982 0.933 0.882	T L 457 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2	UN .656 INCD 70.2 59.8 52.9 58.5 64.5	35! PHAZ 38.5 47.6 53.2 47.8	EMIS 34.5 20.9 6.9 12.1 22.5 28.6	V 1.987 ALPHA 30.8 10.4 -0.6 10.5	PTH 7 -73.916 1: SCALE 0. 325.29005 253.97623 173.02470	AZ 16.887 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.814 8 -19.700 -21.814	RANGE 1982.34676 1875.45927 1822.03532 1835.34486 1884.77107 1928.64011 2020.67268	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4	SEC TO 867. AZSUN -77.2 -79.4 -80.4 -81.4 -82.2 -81.3 -81.4	AZA 71.6 61.2 70.4 50.6 36.7 48.0 56.2 68.0	ALT 1815.55588 A* 90.66303 89.12992 85.65899 86.81800 88.71459 91.22330 95.16142 92.70038	LAT 5 -3.6 8/A 0.899 0.934 0.982 0.982 0.983 0.850	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -90.2	UN .656  INCD 70.2 59.8 52.9 58.5 64.5 64.5 65.9 68.1 61.7	359 PHAZ 38.5 47.6 53.2 47.8 42.5 42.5 42.2 42.5	EMIS 34.5 20.9 6.9 12.1 22.5 28.6 38.2 32.2	V 1.983 ALPHA 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5	PTH 7 -73.916 1. SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798	AZ 16.887 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 6- 7 7- 8
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.974 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.81 8 -19.706 -28.104 9 -19.867 34581	RANGE 1982.34676 1875.45927 1825.03532 1835.34486 1884.77107 1928.64011 2020.67268 1959.71461	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.5	SEC TO 867. AZSUN -77.2 -79.4 -80.4 -81.4 -82.2 -81.3 -81.4 -78.6	TMPACT .761 AZA 71.6 61.2 70.4 50.6 36.7 48.0 56.2 81.6	ALT 1815.5558: A. 90.56303 89.12992 85.65899 86.81800 88.71459 91.22330 95.16142 92.70038 91.44064	8/A 0.899 0.934 0.982 0.982 0.983 0.882 0.793 0.850 0.871	T L 357 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -90.2 -95.7 -95.2 -94.8	UN .656 INCD 70.2 59.8 52.9 58.5 64.5 65.9 68.1 61.7	359 PHAZ 38.5 47.6 53.2 47.8 42.5 42.5 42.5 47.9	EMIS 34.5 20.9 6.9 12.1 22.5 28.6 38.2 32.2	V 1.981 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7	PTH 7-73.916 1: SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798	AZ L6.887 PT-PT O- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890  2 -13.075 -28.827  3 -7.376 -35.080  4 -7.084 -29.329  5 -6.773 -23.74  6 -12.893 -22.462  7 -19.700 -21.81  8 -19.70c -28.104  9 -19.867 -34.589  10 -13.306 -34.846	RANGE 1982-34676 1875-45927 1822-03532 1835-34486 1884-77107 1928-64011 2020-67268 1959-71461 1942-74312 1861-06851	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.5 2.3	SEC TO 867. AZSUN -77.2 -79.4 -80.4 -81.4 -81.3 -81.4 -78.1 -77.1	IMPACT.761  AZA 71.6 61.2 70.4 50.6 36.7 48.0 56.2 68.0 81.6 77.7	ALT 1815.5558! A= 90.56303 89.12992 85.65899 86.81800 88.71459 91.22330 95.16142 92.70038 91.44064 88.02843	8/A 0.899 0.934 0.982 0.982 0.793 0.882 0.773 0.8871 0.954	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.2 -90.2 -95.7 -95.2 -95.8 -90.2	UN .656 INCD 70.2 59.8 52.9 58.5 64.5 65.9 68.1 61.7 55.8 54.1	35: PHAZ 38.5 47.6 53.2 47.8 42.5 42.5 47.9 53.3	51.011 EMIS 34.5 20.9 6.9 12.1 22.5 28.6 38.2 32.2 30.3 18.3	V 1.987 ALPHA 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7	PTH 7 -73.916 1: SCALE 0.325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310	AZ 16.887 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.974 -17.990 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.181 8 -19.706 -28.104 9 -19.867 -34.869 10 -13.306 -34.846 11 -7.376 -35.866	RANGE 1982-34676 1875-45927 1822-03532 1835-34486 1884-77107 1928-64011 2020-67268 1959-71461 1942-74312 1861-06851 1822-03532	AZS/C -12.0 -28.8 -9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.3 2.3	SEC TO 867. AZSUN -77.2 -79.4 -80.4 -81.4 -82.2 -81.3 -81.4 -78.1 -74.6 -77.1	IMPACT.761  AZA 71.6 61.2 70.4 50.6 36.7 48.0 56.2 68.0 81.6 77.7	ALT 1815.5558: A= 90.6303 89.12992 85.65899 86.81800 91.22330 95.16142 92.70038 91.44064 88.02843 85.65899	8/A 0.899 0.934 0.998 0.982 0.933 0.882 0.793 0.850 0.871 0.954	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -90.2 -94.8 -90.2	UN .656  INCD 70.2 59.8 52.9 58.5 64.5 64.5 65.9 68.1 61.7 55.8 54.1 52.9	35: PHAZ 38.5 47.6 53.2 47.8 42.5 42.5 47.9 53.0 53.2	51.011 EMIS 34.5 20.9 6.9 12.1 22.5 28.6 38.2 30.3 18.3 6.9	V 1.987 ALPHA 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6	PTH 7-73.916 1. SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 198.80830 179.79072	AZ 16.887 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10
TRAJECTORY DATA  PHOTO DATA  PY LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.181 8 -19.700 -28.104 9 -19.867 -34.589 10 -13.308 -34.646 11 -7.376 -35.080 12 -2.766 -40.839	RANGE 1982.34676 1875.45927 1822.03532 1835.34486 1884.77107 1928.64011 2020.67268 1959.71461 1942.74312 1861.06851 1822.03532	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5 9.2	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.3 2.3	SEC TO 867.  AZSUN -77.2 -79.4 -80.4 -81.4 -81.4 -78.1 -74.6 -77.1 -80.4 -83.3	IMPACT .761 AZA 71.6 61.2 70.4 50.6 36.7 48.0 56.2 68.0 81.6 77.7 70.4	ALT 1815.5558: Ae 90.56303 89.12992 85.65899 91.22330 95.16142 92.70038 91.44064 88.02843 85.65899 83.52614	8/A 0.998 0.998 0.982 0.983 0.882 0.871 0.871 0.954 0.990	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.7 -95.7 -95.2 -94.8 -90.2 -85.6	UN .656  INCD 70.2 59.8 52.9 58.5 64.5 65.9 68.1 61.7 55.8 54.1 52.9 46.8	35! PHAZ 38.5 47.6 53.2 47.5 42.5 42.5 47.9 53.3 53.0 58.9	51.011 EMIS 34.5 20.9 6.9 12.1 22.5 28.6 38.2 32.2 32.3 18.3 6.9 12.2	V 1.98 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6 -12.1	PTH 7 -73.916 1. SCALE 0. 325.29005 253.97623 173.02470 186.93788 209.49773 197.40798 184.86310 198.80830 179.79072 222.87775	AZ 16.887 PT-PT 0-1 1-2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.46 6 -12.893 -22.46 7 -19.700 -21.181 8 -19.70c -28.104 9 -19.867 -34.589 10 -13.308 -34.646 11 -7.376 -35.000 12 -2.766 -40.839 13 -2.477 -35.277	RANGE 1982.34676 1875.45927 1822.04532 1835.34486 1884.77107 1928.64011 2020.67268 1959.71461 1942.74312 1861.068b1 1822.03532 1835.73332	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 2.3 9.2 103.1 158.5	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.3 2.3 1.3	SEC TO 867. AZSUN -77.2 -79.4 -81.4 -81.4 -81.3 -81.4 -78.1 -74.6 -77.1 -80.4 -83.3 -83.3	IMPACT .761 AZA 71.6 61.2 70.4 50.6 36.7 48.0 56.2 68.0 81.6 77.7 70.4 65.9	ALT 1815.5558: 90.56303 89.12992 85.65899 86.81800 88.71459 91.22330 95.16142 89.1048 88.02843 85.65899 83.52614 83.02768	LAA 5 -3.1 8/A U.899 U.934 0.998 0.933 U.882 0.773 U.850 0.871 U.954 0.998 0.990 0.998	T L 157 -34 AZPHAZ -93-2 -90-2 -85-2 -85-2 -95-7 -95-2 -95-7 -95-2 -94-8 -90-2 -85-6 -82-2 -81-6	UN .656 INCD 70.2 59.8 52.9 58.5 64.5 65.9 68.1 55.8 54.1 52.9 46.8	359 PHAZ 38-5 47-8 42-5 42-5 42-9 53-0 53-2 53-2 53-7	51.011 EMIS 34.5 20.9 12.1 22.5 28.6 38.2 32.2 30.3 18.3 6.9 12.2 3.0	V 1.981 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6	PTH 7-73.916 1 SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 179.79072 222.87775 168.51872	AZ 16.887 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.181 8 -19.706 -28.104 9 -19.807 -34589 10 -13.308 -34.846 11 -7.376 -35.080 12 -2.766 -40.839 13 -2.477 -35.271 4 -2.134 -29.650	RANGE 1982.34676 1875.45927 1822.03532 1835.34486 1884.77107 1928.64011 1942.7431 1861.06851 1822.03532 1835.73332 1816.73956	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5 9.2 103.1 158.5 -105.9	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.3 2.3 1.3 2.3	SEC TO 867. AZSUN -77.2 -79.4 -80.4 -82.2 -81.3 -78.1 -74.6 -77.1 -80.4 -83.3 -83.6	IMPACT .761 AZA 71.6 61.2 70.4 50.6 36.7 48.0 81.6 77.7 70.4 8.6 59.9 35.8	ALT 1815.5558: Ae 90.56303 89.12992 85.65899 86.81800 88.71459 91.2233 95.16142 92.70038 91.44064 88.02843 85.65899 83.52614 83.02768 85.57702	LA 5 -3.1 8/A U.899 U.934 0.998 0.993 U.882 0.793 U.8850 0.871 U.954 0.998 0.998 0.9990 0.991	T L 157 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -90.2 -94.8 -90.2 -85.6 -82.2 -81.6	UN .656 INCD 70.2 59.8 52.9 58.5 64.5 65.9 68.1 52.9 46.8 54.1 52.9	359 PHAZ 38.5 47.6 53.2 42.5 42.5 42.5 42.5 53.0 53.0 53.2 58.9 7	51.011 EMIS 34.5 20.9 12.1 22.5 28.6 38.2 30.3 18.3 6.9 12.2 3.0	V 1.981 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6 -12.1 +1.4	PTH 7-73.916 1.  SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 198.80830 179.79072 222.87775 166.51872	AZ 16.887 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.46 2 -19.700 -21.181 8 -19.700 -21.181 8 -19.700 -34.896 10 -13.308 -34.846 11 -7.376 -35.080 12 -2.766 -40.839 13 -2.477 -35.277 14 -2.134 -29.650 15 -1.722 -23.734	RANGE 1982.34676 1875.45927 1822.04532 1835.34486 1884.77107 1928.64011 2020.67268 1959.71461 1942.74312 1861.068b1 1822.03532 1835.73332	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 2.3 9.2 103.1 158.5	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.3 2.3 1.3	SEC TO 867. AZSUN -77.2 -79.4 -81.4 -81.4 -81.3 -81.4 -78.1 -74.6 -77.1 -80.4 -83.3 -83.3	IMPACT.761  AZA 71.6 61.2 70.4 50.6 36.7 68.0 81.6 77.7 70.4 8.6 59.9 35.8 23.2	ALT 1815.5558: 90.56303 89.12992 85.65899 86.81800 88.71459 91.22330 95.16142 89.1048 88.02843 85.65899 83.52614 83.02768	LA 8/A U.899 U.998 U.982 U.982 U.985 U.850 U.850 U.850 U.954 U.9954	T L 157 -34 AZPHAZ -93-2 -90-2 -85-2 -85-2 -95-7 -95-2 -95-7 -95-2 -94-8 -90-2 -85-6 -82-2 -81-6	UN .656  INCD 70.28 52.9 58.5 64.5 64.7 55.8 52.9 46.8 52.3 57.9	359 PHAZ 38-5 47-8 42-5 42-5 42-9 53-0 53-2 53-2 53-7	51.011 EMIS 34.5 20.9 12.1 22.5 28.6 38.2 30.3 18.3 6.9 12.2 10.3	V 1.981 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6	PTH 7-73.916 1 SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 179.79072 222.87775 168.51872	AZ 16.887 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.811 8 -19.700 -21.811 9 -19.867 -34.589 10 -13.308 -34.66 11 -7.376 -35.080 12 -2.766 -60.339 13 -2.477 -355.277 14 -2.134 -29.650 15 -1.722 -23.734 16 -1.212 -17.210 17 -6.431 -16.577	RANGE 1982-34676 1875-45927 1822-03532 1835-34486 1884-77107 1928-64011 2020-67268 1942-74312 1861-08851 1822-03532 1835-73332 1835-73332 1836-73956 1829-94424 1878-1616 1978-87589	AZS/C -12-0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5 9.2 103.1 158.5 -105.9 -97.7 -95.0	AZN 6.9 5.3 4.1 5.8 5.12.4 7.5 2.3 2.3 1.3 2.3 3.9 4.3	SEC TO 867.  AZSUN -77.2 -79.4 -81.4 -81.4 -78.1 -74.6 -77.1 -83.3 -83.6 -83.4 -82.7 -82.7 -82.7	IMPACT.761  AZA 71.6 61.2 70.4 50.6 368.0 68.0 68.6 77.7 8.6 59.9 23.2 15.6 27.1	ALT 1815-5558: 90.56303 89.12992 85.65899 86.81800 91.22330 95.16142 85.65899 88.02843 85.65899 83.52614 83.02768 85.57702 97.38620 90.30058 91.78288	LA: 8/A U.899 U.934 O.998 O.993 U.882 O.793 U.850 O.871 U.954 O.998 O.988	T L 1577 -34 AZPHAZ -93-2 -85-6 -85-6 -85-6 -95-7 -95-7 -95-7 -95-2 -84-8 -90-2 -81-6 -80-9 -79-0	UN .656  INCD 70.2 59.8 52.9 58.5 64.5 65.9 68.1 52.9 68.1 52.9 68.1 52.9 68.1 52.9 63.8 77.9 63.8 70.3 71.1	35: PHAZ 38.5 47.6 53.2 47.8 42.5 42.5 42.5 42.5 43.0 53.0 53.0 53.2 58.9 48.4 43.1 37.2	51.011 EMIS 34.5 20.9 6.9 12.1 22.5 28.6 28.6 23.2 30.3 18.3 6.9 12.2 3.0 10.3 21.4 33.1 34.1	V 1.981 30.8 10.4 -0.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6 -12.1 -1.4 20.5 32.1 33.9	PTH 7 -73.916 1.  SCALE 0. 325.29005 225.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 179.79072 222.87775 168.51872 170.60115 179.54927 198.14193	AZ 16.887 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 - 17.890 2 -13.075 - 28.827 3 -7.376 - 35.080 4 -7.084 - 29.329 5 -6.773 - 23.274 6 -12.893 - 22.462 7 -19.700 - 21.181 8 -19.70c - 28.104 9 -19.867 - 34.89 10 -13.308 - 34.846 11 -7.376 - 35.080 12 -2.766 - 40.839 13 -4.477 - 35.27 14 -2.134 - 29.650 15 -1.722 - 23.734 16 -1.212 - 17.210 17 -6.431 - 16.577 18 -12.709 - 15.347	RANGE 1982-34676 1875-45927 1822-04592 1835-34486 1884-77107 1928-64011 2020-67268 1959-714601 1942-74312 1861-06851 1822-03552 1835-73392 1816-73956 1829-94424 1876-16164 1978-845608 1977-87589	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5 9.2 103.1 158.5 -105.9 -97.7 -95.0 -77.9	AZN 6.95 2.3 4.18 8.5 12.4 7.5 2.3 2.3 2.3 2.3 3.9 4.3 11.5	SEC TO 867.  AZSUN -77.2 -79.4 -80.4 -81.4 -82.2 -81.3 -81.4 -78.1 -74.6 -77.1 -80.4 -83.3 -83.6 -83.6 -83.6 -83.6 -83.6 -83.6 -83.6	IMPACT 761 AZA 71.6 61.2 70.4 50.6 81.6 77.7 70.4 89.9 35.8 23.8 27.1 37.8	ALT 1815-5558: 90.56303 89.12992 85.55899 86.81800 99.16142 92.70038 91.4454 92.70038 81.4464 88.02843 85.55899 83.52614 83.02768 85.57702 87.38620 90.30058 91.78288 91.78288	LA: 8/A U.899 U.934 0.982 0.983 U.850 0.850 0.871 U.954 0.998 0.990 0.998 1.000 0.966 0.966 0.972 0.9866	L L L L L L L L L L L L L L L L L L L	UN .656 INCD .70.2 59.8 52.9 58.5 64.5 65.9 68.1 52.9 46.8 52.3 52.3 70.3 71.1	35: PHA-5 47-6 53-2 42-5 53-0 53-9 53-9 53-7 48-1 38-2 36-8	51.011 EMIS 20.9 6.9 12.1 22.5 28.6 38.2 32.2 318.3 6.9 12.2 3.0 3.1 3.1 3.1 3.1 3.1 3.1	V 1.981 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6 -12.1 +1.4 9.4 20.5 32.1 33.9 35.0	PTH 7 -73.916 1.  SCALE 0. 325.29005 225.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 198.80830 179.79072 222.87775 168.51872 170.60115 179.54927 1798.14193 159.2262	AZ 16.887 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.881 8 -19.700 -28.104 9 -19.807 -34.589 10 -13.308 -34.646 11 -7.376 -35.080 12 -2.766 -40.839 13 -2.477 -35.271 14 -2.134 -29.650 15 -1.722 -23.734 16 -1.212 -17.210 17 -6.431 -16.577 18 -12.769 -15.347 19 -19.895 -13.255	RANGE 1982.34676 1875.45927 1822.04532 1835.34486 1884.77107 1928.64011 1922.04572 1959.71461 1942.7431 1861.06851 1822.03532 1816.73956 1835.73332 1816.73956 1829.94424 1878.16164	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5 9.2 103.1 1105.9 -97.7 -97.7 -77.9 -60.6	AZN 6.95 2.3 4.1 5.8 5.5 12.4 7.5 2.3 2.3 3.9 4.3 11.5	SEC TO 867.  AZSUN -77.2 -77.4 -80.4 -82.2 -81.3 -81.4 -78.1 -74.6 -77.1 -80.4 -83.3 -83.6 -83.4 -82.7 -83.4 -82.7 -83.4 -82.7 -83.4 -85.4	IMPACT.761  AZA 71.6 61.2 70.4 50.6 36.7 48.0 568.0 81.6 77.7 70.4 8.6 935.8 23.6 27.1 37.8	ALT 1815-5558: 90.56303 89.12992 85.65899 86.81800 95.16142 91.22330 95.16142 88.02843 85.65899 83.52614 83.02768 85.57702 90.30058 91.78288 94.66198 94.66198 94.36261	8/A 0.899 0.934 0.998 0.982 0.793 0.880 0.871 0.998 0.9981 1.000 0.981 1.000 0.960 0.847 0.792 0.847	T L 157 -34 AZPHAZ -93.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -80.0 -79.0	UN .656  INCD 70-2 59.8 52.9 58.5 64.5 65.8 54.1 52.9 46.8 57.9 63.8 70.3 71.1 72.8 75.5	35: PHAZ5 47.653.2 47.842.5 42.5 42.5 42.5 43.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 5	51.011 EMIS 34.5 20.9 6.9 12.5 28.6 38.2 30.3 18.3 6.9 10.3 21.4 33.1 34.1 34.1	V 1.981 AL PHA 30.8 10.4 -0.6 10.5 22.0 22.1 3 21.3 8.5 -3.7 -1.2 -0.6 -1.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	PTH 7 -73.916 1.  SCALE 0. 325.29005 225.97623 173.02470 186.93788 209.49773 197.40198 184.86310 199.80830 179.79072 122.87775 168.51872 170.6015 179.54927 198.14193 159.22625 195.4764	AZ 16.887 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.990 2 -13.075 -28.927 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.181 8 -19.700 -21.181 8 -19.700 -21.181 6 -12.893 -24.500 11 -7.376 -35.080 12 -2.766 -40.839 13 -4.477 -35.271 14 -2.134 -29.650 15 -1.722 -23.734 16 -1.212 -17.210 17 -6.431 -16.577 18 -12.709 -15.347 19 -19.895 -13.225 20 -28.767 -9.444	RANGE 1982.34676 1875.45927 1822.04532 1835.34486 1884.77107 1928.64011 2020.67268 1999.714611 1862.03532 1835.73332 1835.73332 1835.73332 1878.1878.1878 1878.1878.1878 1878.1878.	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.5 9.2 103.1 158.5 -105.9 -97.7 -95.0 -77.9 -60.6 -47.6	AZN 6.9 5.5 2.3 4.1 5.8 8.5 2.5 2.3 1.3 2.3 2.3 2.3 1.5 12.5	SEC TO 867.  AZSUN 779.4 -80.4 -81.4 -82.2 -79.4 -82.2 -81.3 -81.4 -78.1 -74.6 -77.1 -80.4 -83.3 -83.6 -83.6 -83.6 -83.6 -83.6	IMPACT 761 AZA 71.6 50.6 50.6 50.6 81.6 70.4 68.0 81.6 70.4 68.0 81.6 70.4 69.9 35.8 23.2 15.6 137.8 46.2	ALT 1815.5558: 90.56303 89.12992 85.65899 86.81800 88.71459 91.22330 95.16142 88.02843 85.65899 83.52614 83.02768 85.57702 87.38620 90.30058 91.78288 94.66198 99.34260 107.42849	LA 8/A U.8994 U.9982 U.9982 U.9983 U.882 0.7933 U.882 0.793 U.954 0.996 0.990 0.990 0.950 U.8666 0.871 U.956 0.990 0.950 U.8666 0.8692 0.692	L 357 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -90.2 -94.8 -90.6 -82.2 -82.2 -82.2 -84.0 -90.2 -90.3 -90	UN .656 INCD 70.2 59.8 52.9 58.5 64.5 65.9 68.1 61.7 55.8 52.9 46.8 52.3 70.3 71.1 72.8 75.5	35: PHA-5 47-6 53-2 42-5 47-9 53-2 58-7 48-1 33-2 36-2 36-2 38-2	51.011 EMIS 34.5 20.9 6.9 12.1 22.5 28.6 38.2 30.3 18.3 6.9 10.3 21.4 34.1 34.1 34.1 34.1	V 1.98 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6 -12.1 -1.4 20.5 32.1 33.9 35.0 35.2	PTH 7-73.916 1.  SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 179.79072 222.87775 170.60115 179.54927 198.14193 159.22625 195.47464 224.23251	AZ 16.887 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.881 8 -19.70c -28.104 9 -19.867 -3458 10 -13.308 -34.846 11 -7.376 -35.080 12 -2.766 -40.839 13 -2.477 -35.277 14 -2.134 -29.650 15 -1.722 -23.734 16 -1.212 -17.20 17 -6.431 -16.577 18 -12.769 -15.347 19 -19.895 -13.255 20 -28.767 -9.244 21 -27.903 -18.970	RANGE 1982.34676 1875.45927 1822.03532 1835.34486 1835.34486 1959.71461 1942.7431 1861.06851 1822.03532 1816.73956 1829.94424 1878.16164 1968.49608 1977.87589 2029.69925 2138.5285	AZS/C -12.0 -28.8 -9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 2.2 103.1 158.5 -97.7 -95.0 -77.9 -60.6 -47.6	AZN 6.9 5.5 2.3 4.1 5.8 8.5 2.5 2.3 1.3 2.3 1.3 3.9 4.3 11.3 11.3 17.3 17.3	SEC TO 867.  AZSUN -77.2 -79.4 -80.4 -82.2 -81.3 -81.4 -78.1 -77.1 -80.4 -83.3 -83.6 -83.4 -82.7 -82.7 -82.7 -82.7 -82.7 -82.7 -83.4 -85.4 -91.0 -83.5	IMPACT 761 AZA 71.6 61.2 70.4 56.2 68.0 81.6 77.7 70.4 8.6 59.8 23.2 15.6 27.1 35.8 27.1 35.8 27.1 36.3 56.3	ALT 1815-5558: 90.56303 89.12992 85.565899 86.81800 88.71459 91.22330 91.44064 88.02843 85.55899 83.52614 83.02768 85.57702 87.38620 90.30058 91.78288 94.66198 99.34260 107.42849	8/A 0.899 0.938 0.998 0.982 0.933 0.850 0.871 0.954 0.998 0.998 0.990 0.960 0.960 0.95	T L 157 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.2 -95.2 -95.6 -82.2 -81.6 -82.2 -82.2 -83.6 -	UN .656  INCD 70.2 59.8 52.9 58.5 64.5 65.9 68.1 52.9 46.8 52.3 57.9 63.8 70.3 71.1 72.8 75.5 80.1 71.6	359 PHA2 38.5 47.6 47.8 42.5 47.8 42.5 42.5 43.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 5	51.011 EMIS 34.5 20.9 12.5 28.6 38.2 30.3 18.3 12.2 30.3 10.3 21.4 33.1 39.0 47.4 59.4	V 1.98 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6 -12.1 -1.4 9.4 20.5 32.1 33.9 35.0 35.2	PTH 7-73.916 1: SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.44773 197.40798 184.86310 179.79072 222.87775 166.51872 170.60115 179.54927 1798.14193 159.22625 195.4764 24.23251 290.55098	AZ 16.887 O- 1 1- 2 2- 3 3- 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.46 2 -19.700 -21.181 8 -19.70c -28.104 9 -19.867 -34.589 10 -13.308 -34.646 11 -7.376 -35.080 12 -2.766 -40.839 13 -2.477 -35.277 14 -2.134 -29.650 15 -1.722 -23.734 16 -1.212 -17.210 17 -6.431 -16.577 18 -12.769 -15.347 19 -19.895 -13.255 20 -28.767 -9.44 21 -27.903 -18.970	RANGE 1982.34676 1875.45927 1822.04532 1835.34486 1884.77107 1928.64011 2020.67268 1942.74312 1861.08851 1822.03532 1835.73332 1835.73332 1835.73332 1875.7352 1876.7356 1876.7356 1876.7356 1877.8756 1977.8756 2029.6992 2138.52856	AZS/C -12-0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5 9.2 103.1 158.5 -105.9 -97.7 -95.0 -77.9 -60.6 -47.6 -38.4 -27.8	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.5 2.3 2.3 1.3 2.3 3.9 4.3 11.5 17.3 27.3 11.5	SEC TO 867 N	IMPACT.761  AZA 71.6 61.2 70.6 36.7 68.0 81.6 77.7 8.9 935.8 23.2 15.6 27.1 37.8 46.3 72.8	ALT 1815.5558: 40.56303 89.12992 85.65899 86.81800 88.71459 91.22330 95.16142 85.05899 83.32614 85.65899 83.32614 85.65899 83.32614 85.65899 83.32614 90.30058 91.78289 91.78289 91.78289 91.78289	B/A U.899 U.998 0.982 0.982 0.983 U.8850 0.773 U.850 0.971 U.954 0.998 0.998 1.000 0.950 U.8666 0.847 U.792 0.692 0.692 0.692 0.693 0.8651 0.719	L L 1557 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -95.7 -95.2 -95.7 -95.2 -95.4 -82.2 -81.6 -80.9 -80.9 -80.2 -90.2 -90.2 -90.2 -101.1 -100.1	UN .656  INCD 2 59.8 552.9 58.5 64.5 65.9 468.1 755.8 527.9 46.8 527.9 46.8 527.9 63.8 771.1 72.8 76.8 64.6 64.6 64.6	35: PHAZ 38.56 53.2 47.8 42.2 42.5 53.3 35.3 35.3 36.8 37.2 38.2 43.3 36.8 43.1 36.8 43.1 36.8 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1	51.011 EMIS 34.5 20.9 12.1 22.5 23.0 33.3 6.9 12.0 10.3 21.4 134.1 34.1 34.1 34.1 34.1 34.1 34.1 34.1 34.1	V 1.98 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6 -12.1 +1.4 20.5 33.9 35.0 35.0 35.2 35.9 18.6	PTH 7 -73.916 1.  SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 179.79072 222.87775 170.60115 179.54927 178.14193 159.22625 195.47464 224.23251 290.55483 214.29483	AZ 16.887 PT-PT 0-11-2 2-33-4-5 5-6-7 7-8 8-9 9-10 10-11 10-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-21
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -22.462 7 -19.700 -21.81 8 -19.706 -28.104 9 -19.867 -34.89 10 -13.308 -34.846 11 -7.376 -35.080 12 -2.766 -40.839 13 -2.477 -35.271 14 -2.134 -29.550 15 -1.722 -23.734 16 -1.212 -17.10 17 -6.431 -16.577 18 -12.769 -15.347 19 -19.895 -13.255 20 -28.767 -9.244 21 -27.993 -18.970 22 -27.599 -26.598 23 -27.6517 -34.275	RANGE 1982.34676 1875.45927 1822.03532 1835.34486 1835.34486 1959.71461 1942.7431 1861.06851 1822.03532 1816.73956 1829.94424 1878.16164 1968.49608 1977.87589 2029.69925 2138.5285	AZS/C -12.0 -28.8 -9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 2.2 103.1 158.5 -97.7 -95.0 -77.9 -60.6 -47.6	AZN 6.9 5.5 2.3 4.1 5.8 8.5 2.5 2.3 1.3 2.3 1.3 3.9 4.3 11.3 11.3 17.3 17.3	SEC TO 867.  AZSUN -77.2 -79.4 -80.4 -82.2 -81.3 -81.4 -78.1 -77.1 -80.4 -83.3 -83.6 -83.4 -82.7 -82.7 -82.7 -82.7 -82.7 -82.7 -83.4 -85.4 -91.0 -83.5	IMPACT.761  AZA 71.6 61.2 70.6 36.7 68.0 81.6 77.7 8.9 935.8 23.2 15.6 27.1 37.8 46.3 72.8	ALT 1815-5558: 90.56303 89.12992 85.565899 86.81800 88.71459 91.22330 91.44064 88.02843 85.55899 83.52614 83.02768 85.57702 87.38620 90.30058 91.78288 94.66198 99.34260 107.42849	LA 8/A U.8994 U.9984 U.9982 U.9982 U.9983 U.8820 0.7933 U.8840 0.871 U.994 0.9980 0.990 0.991 U.904 0.996	T L 157 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.2 -95.2 -95.6 -82.2 -81.6 -82.2 -82.2 -83.6 -	ON .656 INCD 70.2 55.9 55.9 56.5 66.9 68.1 55.8 54.1 55.8 70.3 71.1 72.8 75.5 64.6 64.6 64.6	35: PHAZ 38.5 47.8 47.8 42.5 42.5 53.0 53.0 53.7 43.1 38.0 37.2 36.8 37.2 43.3 43.3 48.3 48.3	51.011 EMIS 34.5 20.9 12.5 28.6 228.6 32.2 38.2 318.3 12.0 10.3 21.4 34.1 34.1 34.1 34.1 34.1 34.5	V 1.988 30.8 10.4 -0.6 10.5 22.3 21.3 8.5 -3.7 -1.2 -0.6 12.1 33.9 35.0 35.2 35.9 18.6 4.1 -9.1	PTH 7-73.916 1.  SCALE 0. 325.29005 225.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 179.79072 222.87775 168.51872 170.60115 179.54927 178.14193 159.22625 1290.55098 224.23251 290.55098 214.23961	AZ 16.887 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 20-21 21-22 22-23
TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.462 7 -19.700 -21.181 8 -19.706 -28.104 9 -19.867 -34.889 10 -13.308 -34.846 11 -7.376 -35.080 12 -2.766 -40.839 13 -2.477 -35.277 14 -2.134 -29.650 15 -1.722 -23.734 16 -1.212 -17.10 17 -6.431 -16.577 18 -12.709 -15.347 19 -19.895 -13.295 0 -26.167 -9.244 21 -27.990 -18.970 22 -27.595 -26.928 23 -27.657 -34.275 24 -27.981 -41.899 25 -20.165 -40.995	RANGE 1982.34676 1875.45927 1822.04532 1835.34486 1884.77107 1922.64011 1922.659.71461 1942.74312 1861.06851 1422.0352 1835.73332 1835.73332 1835.73332 1836.73392 1876.78769 1977.87589 2029.6992 2138.52856 1977.87589 2029.6992 2138.52856 2142.1816 2156.45642 2164.15469 2106.45642 2108.394104 2109.44449	AZS/C -12-0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5 -105.9 -77.9 -60.6 -47.6 -27.5 -13.8 1.6	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.3 2.3 3.9 4.3 11.5 17.3 27.3 19.2 11.2	SEC 10 860 77.2 -79.4 -80.4 -81.3 -81.3 -81.3 -81.3 -81.3 -82.4 -77.1 -80.4 -82.7 -83.3 -83.6 -83.6 -83.6 -83.4 -82.7 -83.4 -82.7 -83.4 -82.7 -83.4 -83.4 -84.7 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -84.7 -85.4 -85.4 -86.4 -96.4 -86.	IMPACT.761  AZA 61.2 70.4 50.6 36.7 48.0 56.2 68.0 77.7 8.6 27.1 8.6 27.1 37.8 46.3 52.9 46.3 72.4 84.8	ALT 1815-5558: 90.56303 89.12992 85.65899 86.81800 88.71459 91.22330 95.16142 92.70038 91.44064 88.02843 85.65899 83.52614 83.02768 85.57702 87.38620 91.78288 91.78288 91.78288 91.78289 91.42849 91.42849 91.42849 91.42849	8/A 0.899 0.993 0.982 0.933 0.882 0.793 0.8850 0.8793 0.8793 0.8793 0.8793 0.8793 0.996 0.996 0.996 0.996 0.995 0.962 0.5524 0.6719 0.743 0.7743	T L 157 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -95.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -96.3 -79.0 -79.0 -102.2 -101.1 -100.1	UN .656 INCD 70.2 58.5 65.9 68.17 55.8 61.7 55.8 63.8 77.1 72.8 80.1 75.5 80.1 75.5 80.1 75.5 80.1 75.5	35: PHAZ 38.5 47.8 42.2 47.9 53.3 53.2 58.9 43.1 37.2 38.3 36.8 37.2 38.3 48.6 53.8	51.011 EMIS 34.5 20.9 12.15 238.2 238.2 238.2 318.3 13.3 13.3 147.4 45.4 45.4	V 1.98 30.8 10.4 -0.6 10.5 22.0 22.3 21.3 8.5 -3.7 -1.2 -0.6 -12.1 +1.4 20.5 33.9 35.0 35.0 35.2 35.9 18.6	PTH 7 -73.916 1.  SCALE 0. 325.29005 253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 179.79072 222.87775 170.60115 179.54927 178.14193 159.22625 195.47464 224.23251 290.55483 214.29483	AZ 16.887 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 20-22 22-23 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.924 -17.890 2 -13.075 -28.827 3 -7.376 -35.080 4 -7.084 -29.329 5 -6.773 -23.274 6 -12.893 -22.46 2 -19.700 -21.81 8 -19.700 -21.81 9 -19.807 -34.589 10 -13.308 -34.646 11 -7.376 -35.080 12 -2.766 -40.839 3 -2.477 -35.277 14 -2.134 -29.650 15 -1.722 -23.734 16 -1.212 -17.210 17 -6.431 -16.577 18 -12.769 -15.347 19 -19.895 -13.255 20 -28.767 -9.244 21 -27.903 -18.970 22 -27.555 -26.958 23 -27.657 -44.275 24 -27.981 -41.889 25 -20.165 -40.997	RANGE 1982.34676 1875.45927 1822.04532 1835.34486 1884.77107 1928.64011 2020.67268 1959.71461 1942.74312 1861.06851 1862.05532 1835.73332 1835.73332 1835.73336 1879.94424 1878.16164 1968.45608 1977.87589 2029.69925 2138.5286	AZS/C -12-0 -28-8 9-2 -55-3 -71-8 -49-3 -35-7 -18-8 2-2 3-5 105-9 -77-9 -60-6 -38-4 -27-3 16-6 16-6 -38-4 -27-3 -13-8 16-6 34-0	AZN 6.9 5.5 5.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	SEC TO  AZSUN.2 -79.4 -81.4 -81.4 -81.4 -74.6 -74.6 -74.6 -83.6 -8	IMPACT.761  AZA 71.6 61.2 50.6 36.7 56.2 68.0 81.6 77.7 70.4 59.9 823.2 15.6 137.8 36.2 84.5 62.3 62.9 62.8	ALT 1815-5558: 90.56303 89.12992 85.65899 86.81800 99.22330 95.16142 91.22330 95.16142 88.02843 85.65899 83.52614 83.02768 85.57702 90.30058 91.78288 94.66198 99.34260 107.42849 99.34260 107.42849 99.34260 96.51832 91.720405 87.78872	LA 5 -3.1 8/A U.899 U.934 O.998 O.988 O.850 O.850 O.871 U.954 O.998 O.990 O.990 O.991 O.9524 O.652	T L 1557 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -90.2 -94.8 -90.2 -81.6 -80.9 -80.9 -80.0 -79.0 -84.2 -90.3 -102.2 -101.1 -100.1 -99.3 -98.6 -94.4 -90.2	UN .656 INCO 70.2 52.9 58.5 65.9 66.9 66.6 61.7 55.8 70.3 71.1 71.8 71.6 64.6 64.6 64.6 64.6 64.6 64.6 64.6 6	35: PHAZ 38.5 53.2 47.8 47.8 47.8 47.8 53.3 53.2 53.2 53.7 48.4 38.0 37.2 38.3 48.6 59.0 58.5 59.0 58.5	51.011 EMIS 34.5 20.9 12.1 228.6 38.2 32.3 33.1 33.1 39.0 47.4 45.3 322.0	V 1.98i 30.8 410.5 522.0 22.3 321.3 8.55 22.3 321.3 3.9 33.9 335.2 335.2 335.2 335.2 35.9 4.1 -22.0 -15.7 12.6	PTH 7 -73.916 1.  SCALE 0. 325.29005 2253.97623 173.02470 182.29906 186.93788 209.49773 197.40798 184.86310 179.79072 222.8775 168.51872 170.60115 179.54927 198.14193 159.22625 199.47464 196.33463 214.29404 196.33463 193.54107 237.12522	AZ 16.887 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 14-15 15-16 14-12 12-12 22-23 22-23 22-23 22-23 25-25
TRAJECTORY DATA  PHOTO DATA  PT LAT  1 -11.924 - 17.890 2 -13.075 - 28.827 3 -7.376 - 35.080 4 -7.084 - 29.329 5 -6.773 - 23.274 6 -12.893 - 22.462 7 -19.700 - 21.881 8 -19.70c - 28.184 9 -19.867 - 34.589 10 -13.308 - 34.846 11 -7.376 - 35.080 12 -2.766 - 40.839 13 -2.477 - 35.271 14 -2.134 - 29.650 15 -1.722 - 23.734 16 -1.212 - 17.210 17 -6.431 - 16.577 18 -12.709 - 15.347 19 -19.895 - 13.255 0 -28.767 - 9.44 21 -27.991 - 18.970 22 -27.591 - 26.970 23 -27.691 - 41.889 23 -27.691 - 41.889 25 -20.165 - 40.995 26 -13.592 - 40.997 27 -7.600 - 40.766	RANGE 1982.34676 1875.45927 1822.04532 1835.34486 1884.77107 1922.64011 1922.659.71461 1942.74312 1861.06851 1422.0352 1835.73332 1835.73332 1835.73332 1836.73392 1876.78758 1876.78758 1977.87589 2029.6992 2138.52856 2142.1816 2156.4564 2166.45642 2108.45642 2108.45642 2108.45642	AZS/C -12.0 -28.8 9.2 -55.3 -71.8 -49.3 -35.7 -18.8 2.2 3.5 9.2 103.1 1105.9 -97.7 -95.0 -77.9 -60.6 -47.6 -37.5 -13.8 11.8	AZN 6.9 5.5 5.3 4.1 5.8 8.5 12.4 2.3 2.3 3.2 4.3 11.5 127.3 11.5 127.3 11.2 2.7	SEC 10 860 10 86	IMPACT. 761  AZA 71.661.2 50.67 48.0 56.0 81.7 70.66 59.8 23.2 68.0 27.1 35.2 46.3 52.3 72.8 46.3	ALT 1815-5558: 90.56303 89.12992 85.65899 86.81800 99.161459 91.22330 95.1614 92.70038 81.71459 91.22330 95.1614 81.02768 81.70268 85.55792 87.38620 90.30058 91.78288 91.78288 91.78288 91.78289 91.20405	LA' 5 -3.1 8/A 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.998 0.990 0.811 0.00 0.811 0.00 0.812 0.650 0.900	1557 -34 AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -83.6 -83.6 -90.2 -90.3	UN . 656  INCD 70.28 52.99 68.5 64.5 66.1 61.7 7 55.8 54.1 72.8 80.1 71.6 6 58.5 52.7 90.1 48.5 52.7 50.1 48.5 52.7 50.1	35: 97.47.8 347.6 42.5 42.5 447.9 53.0 53	51.011 EMIS 34.5 20.9 20.9 12.1 22.1 23.0 38.2 230.3 318.3 21.4 23.0 10.3 34.1 34.1 34.1 43.4 43.4 43.4 32.8 22.0	V V 1.98i 30.8 ALPHA 610.5 22.0 321.3 821.3 21.3 82.1 33.9 81.0 4.6 9.4 9.4 9.4 9.4 9.4 9.5 9.2 12.1 -9.1 -9.1 -9.1 -9.1 -9.1 -9.1 -9.1 -9	PTH 7 -73.916 1.  SCALE 0. 325.29005 225.97623 173.02470 182.29906 186.93788 209.49773 197.40798 198.80830 179.79072 222.87775 168.518772 170.60115 179.54927 179.14193 159.22625 199.1494 224.23251 290.55988 214.29404	AZ 16.887 O-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-22 22-23 23-24 24-25 25-26 26-27

TAB NO 31 ATLAS PHOTO NO 31 POD SEQUENCE NO 68 JULY 31,1964 13 HR 11 MIN 26 SEC 158 MS SEC TO IMPACT ALT LAT LUN 862.641 1805.77472 -3.878 -34.616 A. B/A AZPHAZ INCD PHAZ EHIS ALPHA SCALE PT-PT 90.08958 0.899 -93.2 70.2 38.5 34.5 30.8 0. 0. 0. 1 88.6644 0.934 -90.2 59.8 47.6 20.9 10.5 323.06458 1-2 85.20329 0.998 -85.6 53.0 53.2 6.9 -0.5 252.69515 2-3 86.36345 0.980 -85.6 53.0 53.2 6.9 -0.5 252.69515 2-3 86.36345 0.980 -85.6 53.0 53.2 6.9 -0.5 172.12507 3-4 88.25713 0.932 -84.7 64.5 42.4 22.5 22.0 181.39217 4-5 90.75654 0.882 -90.2 65.9 42.2 28.6 22.4 185.99368 5-6 94.67196 0.794 -95.7 68.1 42.5 38.1 21.3 208.39754 6-7 92.21587 0.650 -95.2 61.7 47.9 32.2 8.5 196.43351 7-8 90.94492 0.872 -976.6 59.9 59.3 30.2 -3.6 183.90849 8-9 87.95920 0.994 -90.2 54.1 53.0 18.3 -1.1 197.71679 9-10 85.20329 0.996 -85.6 53.0 53.2 6.9 -0.5 176.864039 10-11 83.01835 0.989 -82.2 46.9 58.9 12.1 -12.0 221.62971 11-12 82.57099 0.981 -81.6 52.4 53.7 2.9 -1.3 167.55515 12-13 85.12297 0.999 -80.9 57.9 48.4 10.3 9.4 165.70267 13-14 86.92896 0.950 -80.0 63.8 43.1 21.4 20.5 178.64614 14-15 99.82929 0.866 -79.0 70.3 38.0 33.1 32.1 197.12644 15-16 91.11209 0.847 -84.2 71.1 37.2 34.1 33.9 158.41268 16-17 94.18009 0.792 -90.2 7.2 8 36.8 9.0 35.1 195.41264 15-16 91.11209 0.847 -84.2 71.1 37.2 34.1 33.9 158.41268 16-17 94.18009 0.792 -90.2 27.8 36.8 9.9 0.5 194.49348 17-18 98.83229 0.860 -79.0 70.3 38.0 33.1 32.1 197.12644 15-16 91.1209 0.847 -84.2 71.1 37.2 34.1 33.9 158.41268 16-17 94.18009 0.792 -90.2 72.8 36.8 9.0 35.0 194.49348 17-18 98.83229 0.660 -99.0 70.3 38.0 33.1 32.1 197.12444 15-16 91.18169 0.750 0.652 -101.1 71.5 43.3 50.4 18.6 259.00285 20-21 107.74936 0.720 -100.1 64.6 48.6 45.0 4.2 21.18 192.31906 23-24 90.09574 0.860 -94.4 50.2 80.5 53.8 43.3 -9.0 199.30215 22-23 87.30468 0.994 -90.2 48.6 58.4 22.0 -12.5 198.03311 25-26 87.30468 0.994 -90.2 48.6 58.4 22.0 -12.5 198.03311 25-26 87.30468 0.994 -90.2 48.6 58.4 22.0 -12.5 198.03311 25-26 87.30468 0.994 -90.2 48.6 58.4 22.0 -12.5 198.03311 25-26 87.30468 0.994 -90.2 48.6 58.4 22.0 -12.5 198.03311 25-26 87.30468 0.994 -90.2 48.6 58.4 22.0 -12.5 198.03311 25-26 87.30468 0.994 -90.2 48.6 58.4 22.0 -12.5 198.03311 25-26 87.30468 0. 3541.230 1.989 -73.885 116.881 PHOTO DATA

PT LAT LON RANGE AZS/C AZN AZSUN AZA
1 -11.914 -17.908 1971.82089 -12.2 6.9 -77.3 71.4
2 -13.072 -28.709 1865.70677 -29.0 5.5 -79.4 61.0
3 -7.402 -34.991 1812.27124 8.4 2.3 -80.4 70.1
4 -7.112 -29.270 1825.73734 -55.3 4.1 -81.4 50.5
5 -6.803 -23.245 1875.05716 -71.8 5.8 -82.2 36.7
6 -12.891 -22.435 1918.77217 -49.3 8.5 -81.3 47.9
7 -19.662 -21.161 2010.27780 -35.8 12.4 -81.5 56.1
8 -19.669 -28.048 1949.47382 -18.9 7.5 -78.1 67.8
9 -19.625 -34.498 1932.31995 2.0 2.5 -74.7 81.4
10 -13.302 -34.777 1841.14830 3.2 2.5 -77.1 77.4
11 -7.402 -34.991 1812.27124 8.4 2.3 -80.4 70.1
12 -2.817 -40.718 1825.46667 102.9 1.3 -83.2 7.6
13 -2.529 -35.188 1806.88681 159.7 2.3 -83.6 59.6
14 -2.167 -29.590 1820.24052 -105.5 3.2 83.6 59.6
15 -1.777 -23.703 1868.34604 -97.5 3.9 -83.3 23.4
16 -1.270 -17.213 1958.25490 -99.9 4.4 -82.7 15.7
17 -6.461 -16.581 1967.73967 -77.8 7.3 -82.7 27.1
18 -12.768 -15.356 2019.36719 -60.6 11.5 -83.4 37.8
19 -19.856 -13.277 2127.53278 -47.7 17.3 -85.4 46.2
20 -20.672 -9.307 232.949339 -38.5 21.2 -90.9 22.9
21 -27.816 -18.967 2172.56442 -27.5 19.2 -83.5 62.2
22 -27.508 -26.908 2097.27667 10.6 -5.6 -68.6 6.5
25 -20.119 -40.065 1954.2155 23.4 -27.7 -70.7 6.5
26 -13.584 -40.674 1871.71559 33.7 -0.9 -74.3 6.0
27 -7.684 -40.675 1831.70943 601 0.3 -78.8 6.8
28 -2.817 -40.718 1825.46667 102.9 1.3 -83.2 7.6 PHOTO DATA ATLAS PHOTO NO 32 POD SEQUENCE NO 70 TAB NO 32 JULY 31,1964 13 HR 11 MIN 31 SEC 278 MS TRAJECTURY DATA SEC TO [MPACT ALT LAT LON R V PTH AZ 857.522 1795.98587 -3.899 -34.575 3531.441 1.991 -73.854 116.876 PHOTU DATA

PY LAT LON RANGE 12.4

1 -11.905 -17.926 1961.28523 -12.4

2 -13.068 -28.711 1855.94516 -29.1

3 -7.428 -34.902 1802.50151 7.6

4 -7.139 -29.211 1816.12169 -55.3

5 -6.832 -23.215 1865.33322 -71.7

6 -12.889 -22.409 1908.89304 -49.4

7 -19.624 -21.141 1999.87123 -35.8 18 -19.60 -27.992 1939.22372 -19.0

9 -13.763 -34.407 1921.89063 1.8

10 -13.27 -34.668 1841.22168 3.0

11 -7.428 -34.902 1802.50151 7.6

12 -2.869 -40.597 1815.19940 102.8

13 -2.561 -35.098 1797.02975 161.0

14 -2.241 -29.531 1810.53006 -105.1

15 -1.832 -23.673 1858.52190 -97.3

16 -1.327 17.216 1948.00400 -94.8

17 -6.492 -16.584 1957.59195 -77.8

18 -12.767 -15.365 2009.02226 -60.6 19 -19.918 -19.19.918

19 -19.818 -13.300 2116.52386 -47.7 18 -19.818 -13.300 2116.52386 -47.7 18 -19.818 -13.300 2116.52386 -47.7 18 -19.818 -13.300 2116.52386 -78.5 20.0 18.818 -13.300 2116.52386 -78.5 20.0 18.818 -79.7 18 -19 857.522

AZN AZSUN AZA
6.69 -77.3 71.2
5.5 -79.4 60.9
2.3 -80.4 69.8
4.1 -81.4 50.4
7.5 -81.4 7.9
8.1 -81.4 56.0
7.5 -78.2 67.7
8.2 -2 -78.2 67.7
8.2 -2 -74.8 81.2
2.4 -77.2 77.2
2.3 -80.4 69.8
1.3 -83.2 6.7
2.3 -83.6 35.9
3.2 -83.6 35.9
3.2 -83.6 35.9
3.2 -83.6 35.9
3.9 -83.3 23.5
1.4 -82.7 71.2
1.5 -83.4 37.8
1.5 -82.7 15.9
1.5 -83.4 37.8
1.6 -82.7 27.2
1.1 -78.4 72.6
1.1 -78.4 72.6
1.1 -78.4 72.6
1.1 -78.4 72.6
1.1 -78.4 72.6
1.2 -73.7 84.1
1.3 -83.6 6.7 PHOTO DATA 93.69762 0.792 -90.2 98.32117 0.693 -96.3 100.26518 0.527 -102.2 100.41854 0.653 -101.1 97.22140 0.720 -100.1 95.65136 0.745 -99.3 95.40359 0.732 -98.6 90.18738 0.861 -94.4 86.82053 0.794 -90.2 84.62798 0.993 -85.9 82.51151 0.989 -82.2

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RA-VII CAMERA FA

JULY 31,1964 13 HR 11 MIN 36	SEC 398	MS	1	TAB NO	33	ATL	AS PHOTO	NO	33	POD :	SEQUENCE NO 72
TRAJECTURY DATA			SEC TG 852.		ALT 1786 - 18884	LA1			R 3521 - 644	. Y . 1.993	PTH AZ -73.822 116.871
PHOTO DATA				-							.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PT LAT LON RANGE	AZS/C	AZN	AZSUN	AZA	A*	B/A	AZPHAZ	INCD	PHAZ EMIS	AL PHA	SCALE PT-PT
1 -11.896 -17.945 1950.73932		6.9	-77.4	71.0	89.14142		-93.2	70.2	38.6 34.4		0. 0-1
2 -13.065 -28.653 1846.17390		5.5	-79.4	60.7	87.73815		-90.2		47.6 21.0	10.6	318.61659 1- 2
3 -7.454 -34.813 1792.72572	6.9	2.3	-80.4	69.5	84.29166		-85.6		53.2 7.0	-0.4	250.12881 2- 3
4 -7.166 -29.151 1806.49744		4.1	-81.4	50.3	85.45319		-85.2		47.8 12.3	10.7	170.32426 3- 4
5 -6.861 -23.186 1855.59869		5.8	-82.2	36.7	87.34077		-84.7		42.4 22.6	22.1	179.57469 4- 5
6 -12.887 -22.382 1899.00209		8.5	-81.4	47.9	89.82142		-90.2		42.2 28.7	22.4	184-10175 5- 6
7 -19.586 -21.121 1989.45233 8 -19.591 -27.936 1928.96370		12.4	-81.5 -78.2	55.9 67.6	93.69135		-95.7		42.5 38.1	21.3	206.19360 6- 7
9 -19.742 -34.316 1911.45468		7.5	-74.9	81.0	91.24551 89.96729		-95.2 -94.8		47.9 32.1 53.2 30.2	8.7 -3.4	194.47988 7- 8
10 -13.291 -34.578 1831.28813	2.7	2.4	-77.2	76.9	86.61980		-90.2		53.0 18.2	-0.9	181.99739 8- 9 195.53244 9-10
11 -7.454 -34.813 1792.72572		2.3	-80.4	69.5	84.29166		-85.6		53.2 7.0	-0.4	176.93744 10-11
12 -2.921 -40.476 1804.93112		1.3	~83.1	5.7	82.00558		-82.2			~11.8	219.13585 11-12
13 -2.633 -35.009 1787.16800	162.4	2.3	-83.5	59.0	81.65807		-81.6		53.7 2.7	-1.2	165.63028 12-13
14 -2.294 -29.471 1800.81239	-104.7	3.2	-83.5	36.0	84.21391		-80.9		48.4 10.4	9.6	167.90440 13-14
15 -1.887 -23.643 1848.68864	-97.2	3.9	-83.3	23.7	86.01328	0.950	-80.0	63.9	43.1 21.4	20.6	176.82255 14-15
16 -1.385 -17.219 1937.74272	-94.7	4.4	~82.6	16.0	88.88725	0.866	-79.0	70.3	38.0 33.1	32.1	195.09749 15-16
17 -6.523 -16.588 1947.43205		7.4	-82.7	27.3	90.36889	U.847	-84.2	71.1	37.2 34.1	33.9	156.78291 16-17
18 -12.766 -15.374 1998.66370		11.5	-83.4	37.8	93.21450	0.792	-90-2	72.8	36.8 38.9	35.0	192.52677 17-18
19 -14.779 -13.322 2105.50104		17.2	-85.4	46.2	97.80940	0.694	-96.3	75.4	37.2 47.3	35.1	220.62653 18-19
20 -28.482 -9.432 2304.69750		27.0	-90.8	52.8	105.68302				38.2 59.3	35.7	284.65042 19-20
21 -27.641 -18.961 2149.35565		19.0	-83.6	62.0	99.87901				43.3 50.2	18.7	255.90256 20-21
22 -27.335 -26.801 2012.23117		11.1	-78 S	77.4	96.69308				48.6 44.9	4.4	210.99207 21-22
23 -27.366 -33.991 2049.43930		3.0	-73.8	83.9	95.11683		-99.3		55.8 43.1	2.7	143 23584 22-23
24 -27.688 -41.058 2072.95715		-5.3	-68.8	6.0	94.84659		-98.7		59.0 44.9		190.06280 23-24
25 -20.028 -40.607 1932.52382 26 -13.568 -40.428 1850.95308		-2.5	-71.0	5.5	89.67894		-94.4		58.5 32.5		232.36198 24-25
	33.2	-0.9	-74.5	5.2	86.33624		-90.2		58.4 21.8		195.73377 25-26
	59.4	0.4	-78.8	5.6	84.15456		-85.9		58.5 13.7		176.72534 26-27
28 -2.921 -40.476 1804.93112	102.6	1.3	-83.1	5.7	82.00558	0.988	-82.2	4/.1	58.9 11.8	-11.8	145.78570 27-28
			т	AB NO	34	AT1 A	AS PHOTO	NO	34	POD 9	EQUENCE NO. 74
JULY 31,1964 13 HR 11 MIN 41	SEC 518	MS	T	AB NO	34	ATL	AS PHOTO	NO	34	POD S	SEQUENCE NO 74
JULY 31,1964 13 HR 11 MIN 41	SEC 518	MS	T	AB NO	34	ATL	AS PHOTO	NO	34	POD S	SEQUENCE NO 74
JULY 31,1964 13 HR 11 MIN 41 Trajectury data	SEC 518		SEC TO	IMPACT	34 ALT	ATL/			34 R	POD S	PTH AZ
TRAJECTURY DATA	SEC 518			IMPACT		LA		ON .	R	v	•
TRAJECTURY DATA PHOTO DATA			SEC TO 847.	IMPACT 282	ALT 1776.38397	LA1	T L( 941 -34	ON 492	R 3511 • 839	v 9 1.995	PTH AZ -73.791 116.865
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE	AZS/C	AZN	SEC TO 847.	IMPACT 282 AZA	ALT 1776.38397	LA1 -3.9 B/A	T LC 941 −34.	ON 492 INCO	R 3511.839	<b>V</b> 9 1.995 Alpha	PTH AZ -73.791 116.865 SCALE PT-PT
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.887 -17.463 1940.18338	AZS/C -12.7	AZN 6.9	SEC TO 847. AZSUN -77.4	IMPACT 282 AZA 70-8	ALT 1776.38397 A+ 88.66670	LA1 -3.9 B/A 0.899	T LC 941 -34, AZPHAZ -93.2	INCO 70-2	R 3511.839 PHAZ EMIS 38.6 34.4	V 9 1.995 ALPHA 30.7	PTH AZ -73.791 116.865 SCALE PT-PT 0. 0-1
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337	AZS/C -12.7 -29.4	AZN 6.9 5.5	SEC TO 847. AZSUN -77.4 -79.4	IMPACT 282 AZA 70-8 60-6	ALT 1776.38397 A* 88.66670 87.27334	B/A 0.899 0.933	T LC 941 -34: AZPHAZ -93.2 -90.2	INCD 70.2 60.0	R 3511.839 PHAZ EMIS 38.6 34.4 47.6 21.0	V 9 1.995 ALPHA 30.7 10.6	PTH AZ -73.791 116.865 SCALE PT-PT 0. 0-1 316.39384 1-2
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.3937 3 -7.480 -34.724 1782.94408	AZS/C -12.7 -29.4 6.1	AZN 6.9 5.5 2.3	SEC TO 847. AZSUN -77.4 -79.4 -80.4	IMPACT 282 AZA 70.8 60.6 69.2	ALT 1776.38397 A* 88.66670 87.27334 83.83571	B/A 0.899 0.933 0.998	T LC 941 -34: AZPHAZ -93.2 -90.2 -85.6	INCD 70.2 60.0 53.3	R 3511.839 PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0	V 9 1.995 ALPHA 30.7 10.6 -0.3	PTH AZ -73.791 116.865 SCALE PT-PT 0. 0- 1 316.39384 1- 2 248.84368 2- 3
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491	AZS/C -12.7 -29.4 6.1 -55.4	AZN 6.9 5.5 2.3 4.1	SEC TO 847. AZSUN -77.4 -79.4 -80.4 -81.4	IMPACT 282 AZA 70.8 60.6 69.2 50.3	ALT 1776.38397 A* 88.66670 87.27334 83.83571 84.99746	B/A 0.899 0.933 0.998 0.981	T LC 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2	INCD 70.2 60.0 53.3 58.8	R 3511.839 PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 47.8 12.3	V 9 1.995 ALPHA 30.7 10.6 -0.3 10.8	PTH AZ -73.791 116.865 SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.963 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403	AZS/C -12.7 -29.4 6.1 -55.4 -71.6	AZN 6.9 5.5 2.3 4.1 5.8	SEC TO 847. AZSUN -77.4 -79.4 -80.4 -81.4 -82.2	IMPACT 282 AZA 70.8 60.6 69.2 50.3 36.7	ALT 1776-38397 A* 88.66670 87.27334 83.83571 84.99746 86.88186	B/A 0.899 0.933 0.998 0.981 0.931	T LC 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7	INCD 70.2 60.0 53.3 58.8 64.6	R 3511.839 PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 47.8 12.3 42.4 22.6	V 9 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1	PTH AZ -73.791 116.865  SCALE PT-PT 0.0 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94608 4 -7.194 -29.092 1796.86491 5 -0.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4	AZN 6.9 5.5 2.3 4.1 5.8 8.5	SEC TO 847. AZSUN -77.4 -79.4 -80.4 -81.4 -82.2 -81.4	IMPACT 282 AZA 70.8 60.6 69.2 50.3 36.7 47.8	ALT 1776.38397 A* 88.66670 87.27334 83.83571 84.99746 66.88186 89.35304	B/A 0.899 0.933 0.998 0.981 0.931	T LC 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2	INCD 70.2 60.0 53.3 58.8 64.6	R 3511.83° PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 47.8 12.3 42.4 22.3 42.4 22.8	V 9 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.9408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161	AZS/C -12.7 -29.4 -6.1 -55.4 -71.6 -49.4 -36.0	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4	SEC TO 847. AZSUN -77.4 -79.4 -80.4 -81.4 -81.5	IMPACT 282 AZA 70.8 60.6 69.2 50.3 36.7 47.8 55.9	ALT 1776.38397 A* 88.66670 87.27334 83.83571 84.99746 86.88186 89.35304 93.20019	B/A 0.899 0.933 0.998 0.981 0.981 0.881 0.794	T L( 941 -34, AZPHAZ -93.2 -85.6 -85.2 -84.7 -90.2 -95.7	INCD 70.2 60.0 53.3 58.8 64.6 66.0 68.1	R 3511.839 PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1	V 9 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4	PTH AZ -73.791 116.865 SCALE PT-PT 0. 0 1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.887 - 17.463 1940.18338  2 -13.061 - 28.595 1836.39337  3 -7.480 - 34.724 1782.94408  4 -7.194 - 29.092 1796.86491  5 -6.890 - 23.156 1845.85403  6 -12.885 - 22.355 1889.09981  7 -19.548 - 21.101 1979.0218  8 -19.552 - 27.881 1918.69420	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4	SEC TO 847. AZSUN -77.4 -80.4 -81.4 -82.2 -81.4 -81.5 -78.3	IMPACT 282 AZA 70.8 60.6 69.2 50.3 36.7 47.8 55.9 67.4	ALT 1776-38397 A* 88.66670 87-27334 83.83571 84-99746 86.88186 89.35304 93-20019 90.75964	LA -3.9 8/A 0.899 0.933 0.998 0.981 0.931 0.851	T LC 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2	INCD 70.2 60.0 53.3 58.8 64.6 66.0 68.1 61.9	R 3511.831 PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 47.9 32.1	V 9 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.59072 7-8
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1794.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.6	SEC TO 847. AZSUN -77.4 -80.4 -81.4 -82.2 -81.4 -81.5 -78.3	IMPACT 282 AZA 70.8 60.6 69.2 50.3 36.7 47.8 55.9 67.4	ALT 1776-38397 A* 88.66670 87.27334 83.83571 84.99746 86.88186 89.35304 93.20019 90.775964 89.47558	LA7 -3.6 8/A 0.899 0.933 0.998 0.981 0.881 0.794 0.851 0.853	T L(1941 - 34. AZPHAZ - 93.2 - 90.2 - 85.6 - 85.2 - 84.7 - 90.2 - 95.7 - 95.2 - 94.8	INCD 70.2 60.0 53.3 58.8 64.6 66.0 68.1 61.9	R 3511.83° PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 47.9 32.1 47.9 32.1	V 3 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1	AZN 6.9 5.5 2.3 4.1 5.5 8.5 12.4 7.5 2.6 2.4	SEC TO 847. AZSUN -77.4 -80.4 -81.4 -82.2 -81.4 -81.5 -78.3	IMPACT 282  AZA 70.8 60.6 69.2 36.7 47.8 55.9 67.4 7.6 6	ALT 1776.38397 88.66670 87.27334 83.83571 84.99746 86.88186 89.35304 93.20019 90.75964 89.47558 86.14963	LA3 -3.9 8/A 0.899 0.933 0.998 0.981 0.931 0.794 0.851 0.873 0.954	T L(941 - 34.4 AZPHAZ - 93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2	INCD 70.2 60.0 53.3 58.8 64.6 66.0 68.1 61.9 56.1	R 3511.83' PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 47.9 32.1 53.2 30.1 53.0 18.2	V 1.995 AL PHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 7.5 2.6	SEC TO 847. AZSUN -77.4 -80.4 -81.4 -81.5 -78.3 -74.3	IMPACT 282 AZA 70.8 60.6 69.2 50.3 36.7 47.8 55.9 67.4	ALT 1776-38397 A* 88.66670 87.27334 83.83571 84.99746 86.88186 89.35304 93.20019 90.775964 89.47558	LA -3.9 8/A 0.899 0.933 0.998 0.981 0.931 0.881 0.794 0.851 0.873 0.954	T L( 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2	INCD 70-2 60-0 53-3 58-8 64-6 66-0 68-1 61-9 56-1 54-4 53-3	R 3511.83 PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 47.9 32.1 53.0 18.2 7.0	V 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.550072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94608 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85603 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5	AZN 6.5 2.3 4.1 5.8 8.5 12.4 7.6 2.4 2.3	SEC TO 847. AZSUN -77.4 -80.4 -81.4 -82.2 -81.5 -78.3 -74.9 -77.3	IMPACT 282  AZA 70-8 60-6 69-2 50-3 36-7 47-8 67-4 60-6 60-6 60-2 60-6 60-2	ALT 1776.38397 A* 88.66670 87.27334 83.83571 84.99746 66.88186 89.35304 93.20019 90.75964 89.47558 86.14963 83.83571	LA' -3.6 8/A 0.899 0.933 0.998 0.981 0.794 0.851 0.873 0.954 0.988	T L(941 - 34.4 AZPHAZ - 93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2	INCD 70.2 60.0 53.3 58.8 64.6 66.0 68.1 61.9 56.1 54.4 53.3 47.3	R 3511.83' PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 47.9 32.1 53.2 30.1 53.0 18.2	V 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.9408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783	AZS/C -12.7 -29.4 -6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5 163.8 -104.2	AZN 6.5 5.3 4.1 5.8 8.5 12.4 7.5 2.4 2.3 1.3	SEC TO 847.  AZSUN -77.4 -79.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.1	IMPACT 282  AZA 70.8 60.6 9.2 50.3 36.7 47.8 67.4 80.7 76.6 4.8	ALT 1776.38397 A. 88.66670 87.27334 83.83571 84.99746 86.88186 89.35304 93.20019 90.75964 89.47558 86.14963 83.83571 81.50057	LA -3.9 8/A 0.899 0.981 0.981 0.794 0.851 0.873 0.954 0.988	T LC 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6	INCD 70.2 60.0 53.3 58.8 64.6 66.0 68.1 61.9 56.1 54.4 53.3 52.7	R 3511.83' PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 42.4 22.6 42.2 28.7 42.9 38.1 47.9 32.1 53.2 7.0 53.2 7.0 53.2 7.0	V 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.550072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179	AZS/C -12.7 -29.4 -6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5 163.8 -104.2	AZN 6.9 5.53 4.1 5.8 8.5 12.4 7.5 2.6 2.3 2.3	SEC TO 847.  AZSUN -77.4 -79.4 -80.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.4	IMPACT 282 AZA 60.6 69.2 50.3 47.8 55.9 67.4 76.6 69.2 4.8 58.7	ALT 1776.38397 88.66670 87.27334 83.83571 84.99746 89.35304 93.20019 90.75964 89.47558 86.14963 83.83571 81.50057 81.20183	LA -3.9 8/A 0.899 0.998 0.981 0.794 0.851 0.873 0.954 0.998 0.988 0.998	T LC 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -95.7 -90.2 -94.8 -90.2 -84.8	INCD 70-2 60-0 53-3 64-6 66-0 68-1 54-4 53-3 47-3 52-7 58-1	R 3511.835 PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 42.4 22.6 42.2 28.7 42.5 38.1 53.0 18.2 53.2 30.1 53.0 18.2 53.2 7.0 58.9 11.7 58.9 11.7	V 1.995  ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1794.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.84679 16 -1.443 -17.222 1927.47169	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5 163.8 -104.2 -97.0	AZN 6.9 5.3 4.1 5.8 8.5 4.2 2.3 2.3 3.9 4.5	SEC TO 847.  AZSUN -77.4 -80.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.1 -83.5 -83.5 -83.2	IMPACT 282 AZA 70.8 60.6 50.3 36.7 47.8 67.4 76.6 69.2 4.8 58.7 36.0 23.8	ALT 1776-38397 88.66670 87.27334 83.83571 84.99746 86.88186 89.35304 90.75964 89.47558 86.14963 83.83571 81.50057 81.20183 83.75890 85.55483 88.41525	LA -3.0 8/A 0.899 0.933 0.981 0.931 0.881 0.851 0.851 0.851 0.954 0.986 0.988	T L(941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -79.0 -79.0	INCD 70-2 60-0 53-3 58-8 64-6 68-1 61-9 56-1 53-3 47-3 52-7 58-1 63-9 70-3	R 3511.833 PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 47.9 32.1 53.2 7.0 53.2 7.0 53.2 7.0 53.2 7.0 53.2 11.7 53.7 2.6 48.4 10.5 43.1 21.5 37.9 33.1	V 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -0.3 -11.6 -1.1 9.7 20.6 32.6	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94008 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.84679 16 -1.443 -17.222 1927.47169	AZS/C -12-7 -29-4 -6-1 -55-4 -49-4 -36-0 -19-3 1.5 2-4 6-1 102-5 163-8 -104-2 -97-0 -94-6 -77-6	AZN9 5.3 4.8 5.4 5.5 4.8 8.7 2.6 4.3 3.9 5.4 4.4 4.4 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4	SEC TO 847.  AZSUN -779.4 -79.4 -80.4 -81.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.5 -83.5 -83.2 -82.6	IMPACT 282 AZA 70.8 60.6 50.3 36.7 47.8 55.9 67.7 76.6 4.8 58.7 23.8 16.2 36.7	ALT 1776.38397 88.66670 87.27334 83.83571 84.99746 86.88186 89.35304 93.20019 90.75964 89.47558 86.14963 83.83571 81.50057 81.20183 83.75890 85.555483 88.41525 89.89648	LA <sup>3</sup> , -3.6 8/A 0.899 0.933 0.998 0.981 0.794 0.851 0.851 0.954 0.998 0.988 0.981 0.999 0.950 0.867	T L(941 -34. AZPHAZ -93.2 -90.2 -85.2 -85.7 -90.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -84.6 -80.9 -84.2 -81.6 -80.9 -84.2 -81.6 -80.9 -84.2 -84.2	INCD 70-22 60-0 53-3 58-8 64-6 66-0 68-1 54-4 53-3 47-3 58-1 63-9 70-3 71-1	R 3511.833 PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 53.2 30.1 53.2 30.1 53.2 7.0 53.8 11.2 53.2 7.0 64.4 10.5 64.4 10.5 7.7 33.7 2.6 48.4 10.5 7.7 33.7 34.1	V 1.995  AL PHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6 -1.1 9.7 20.6 32.1 33.9	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.91150 14-15 194.08009 15-16
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.9408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.255 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.84679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26000 18 -12.764 -15.383 1988.29222	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 102.5 163.8 -104.2 -97.0 -77.0 -77.0	AZN 6.95 2.1 5.85 12.5 12.5 12.3 1.3 2.3 2.3 4.5 4.5 1.5	SEC TO 847.  AZSUN -77.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.5 -83.5 -82.6 -82.7 -83.7 -83.7 -83.5 -83.2 -83.5 -83.7 -83.5	IMPACT 282 AZA 70-8 60-62 50-3 367-8 55-9 67-47 76-6 4-8 58-7 36-8 16-2 37-8	ALT 1776.38397 Ae 88.66670 87.27334 83.83571 84.99746 89.35304 93.20019 90.775964 89.47558 86.14963 83.43571 81.50057 81.20183 83.43571 81.50057 81.20183 83.43571 81.50057 81.20183 83.43571 81.50057 81.20183 83.43571 84.4525 89.89648	B/A 0.899 0.938 0.948 0.981 0.794 0.851 0.794 0.954 0.988 0.988 0.988 0.988 0.988	T L(941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -94.7 -90.2 -95.7 -95.2 -94.8 -90.2 -84.6 -80.9 -80.0 -79.0 -79.0 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -90.2	INCD 70-2 60-0 53-3 58-8 64-6 66-0 68-1 61-9 554-4 53-3 47-3 58-1 63-9 70-3 70-3 71-1 72-8	R 3511.83 <sup>3</sup> PHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 53.2 7.0 42.4 22.6 42.2 28.7 42.5 38.1 47.9 32.1 53.0 18.2 53.2 30.1 53.0 7.0 58.9 11.7 53.7 2.6 48.4 10.5 53.7 3.6 48.4 30.5 53.9 33.1 37.2 34.1 37.2 34.1	V 1.995  AL PHA 30.7 10.6 -0.3 10.8 22.1 -4 8.7 -3.3 -0.8 -0.3 -11.6 32.1 33.9 35.0	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.9150 14-15 194.08009 15-16 155.96683 16-17 191.54120 17-18
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.4963 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.0888 15 -1.943 -23.613 1838.84679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26000 18 -12.764 -15.383 1988.29222 19 -19.740 -13.345 2094.46503	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5 163.8 -104.2 -97.0 -94.6 -77.6 -60.6	AZ9 6.95 2.18 8.54 7.64 2.33 3.95 7.15 2.17	SEC TO 847.  AZSUN -77.4 -79.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.5 -83.4 -83.5 -83.2 -62.6 -82.7	IMPACT 282 AZA 70.8 60.6 50.3 747.8 55.9 47.8 80.7 769.2 4.8 736.0 23.8 24.8 27.3 37.8	ALT 1776.38397 88.66670 87.27334 83.83571 84.99746 86.88186 89.35304 90.75964 89.47558 86.14963 83.83571 81.50057 81.20183 83.75896 83.75896 84.7558 84.7558 84.7558 85.75896 87.75964	B/A 0.899 0.933 0.981 0.981 0.981 0.794 0.881 0.794 0.954 0.998 0.988 0.988 0.988 0.988 0.988 0.988 0.989 0.979 0.979 0.879	T L(941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.6 -80.0 -79.6 -80.0 -79.2 -96.	INC D 70-2 60-0 53-3 58-8 66-0 68-1 54-4 53-3 52-7 58-1 70-3 71-1 72-4	R 3511.833  PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 53.2 7.0 53.2 7.0 53.9 11.7 53.7 2.6 48.4 10.5 57.9 33.1 21.5 37.2 34.1 36.8 38.9 37.2 47.3	V 1.995  ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6 -1.1 33.9 35.0	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.91150 14-15 194.08009 15-16 155.96683 16-17 191.54120 17-18 219.42233 18-19
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09901 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.4679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26000 18 -12.764 -15.383 1988.2922 19 -19.740 -13.345 2094.46503 20 -28.387 -9.495 2291.38947	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.6 -19.5 2.4 1.0 102.5 163.8 -104.2 -97.0 -94.6 -77.6 -77.6 -70.6 -70.6	AZN 6.95 2.18 5.5 4.18 5.5 4.18 12.5 2.43 3.95 4.45 117.5 117.5 117.5 126.9	SEC TO 847.  AZSUN -77.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -83.1 -83.5 -83.5 -82.6 -82.7 -83.4 -85.4 -85.4 -90.8	IMPACT 282  AZA 70-8 69-2 36-7 47-8 67-4 76-6-2 48-7 36-0 58-0 37-8 46-2 37-8 46-2	ALT 1776.38397 88.66670 87.27334 83.83571 84.99746 89.35304 93.20019 90.75964 89.47558 86.114963 83.63571 81.50057 81.20183 83.75890 85.555483 88.41525 89.273079 97.29703	B/A 0.899 0.998 0.981 0.794 0.851 0.873 0.954 0.998 0.988 0.988 0.988 0.988 0.984 0.979 0.950 0.866 0.979 0.979 0.979 0.979 0.979 0.979 0.979 0.989 0.88	T LC 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -95.6 -80.9 -80.9 -90.2 -90	INCO 70.2 60.0 53.3 64.6 66.0 61.9 56.1 53.3 47.3 52.7 58.1 70.3 71.1 72.8 77.9	R 3511.83'  SHAZ EMIS 38.6 34.4 47.6 21.0 53.2 7.0 53.2 7.0 42.4 22.6 42.2 28.7 42.5 38.1 53.2 30.1 53.2 30.1 53.2 7.0 58.9 11.7 58.9 11.7 58.9 11.7 58.9 12.7 37.2 34.1 36.8 38.9 37.2 47.3 38.2 59.2	V 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6 32.1 33.9 35.0 35.1 35.6	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.91150 14-15 194.08009 15-16 155.96683 16-17 191.554120 17-18 219.42233 18-19 282.69303 19-20
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.887 -17.4963 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.84679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26000 18 -12.764 -15.383 1988.29222 19 -19.740 -13.345 2094.46503 20 -28.387 -9.495 2291.38947 21 -27.554 -16.995 2137.73712	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5 163.8 -104.2 -97.0 -94.6 -77.6 -40.7 -40.7 -40.7 -77.7	AZ9 5.53 4.18 5.2.4 4.55 127 2.64 3.33 4.54 117 117 117 117 117 119	SEC TO 847.  AZSUM -77.4 -79.4 -80.4 -81.4 -81.5 -78.3 -74.3 -80.4 -83.4 -83.4 -83.4 -83.4 -83.4 -83.6 -82.7 -83.4 -90.8	IMPACT 282 AZAB 60.6 69.37 47.8 657.4 76.6 48.7 69.2 23.8 23.8 46.2 27.8 60.2	ALT 1776-38397 88.66670 87.27334 83.83571 84.99746 66.88186 89.35304 9975964 89.47558 86.14963 83.4557 81.50057 81.20183 83.75890 85.55483 84.41525 89.89648 92.73079 105.10056	LAN -3.68   8/A   0.899   0.931   0.948   0.948   0.794   0.851   0.958   0.96	T L(941 - 34: AZPHAZ - 93.2 - 90.2 - 85.6 - 85.2 - 90.2 - 95.7 - 90.8 - 90.8 - 90.8 - 90.8 - 90.8 - 90.8 - 90.2 - 91.2 -	INCD 70.2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 3511.833  PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 53.2 7.0 53.2 7.0 53.7 2.6 42.4 22.6 42.3 30.1 53.7 2.6 53.1 21.5 53.1 21.	V 1.995  ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6 -1.1 9.7 20.6 32.1 33.9 35.0 35.1 35.6 18.7	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.9150 14-15 194.08009 15-16 155.96683 16-17 191.54120 17-18 219.4223 18-19 282.69303 19-20 254.35438 20-21
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.4679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26000 18 -12.764 -15.383 1988.29222 19 -19.740 -13.345 2094.46503 0 -28.387 -9.495 2291.38947 21 -27.554 -18.959 2137.73712 22 -27.248 -26.757 2061.20822	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 102.5 163.8 -104.2 -97.0 -94.6 -17.6 -60.6 -47.7 -71.7	A2.95.31.85.4.55.24.85.22.33.29.54.71.52.90.117.26.01	SEC TO 847.  AZSUN -77.4 -79.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.1 -83.5 -83.2 -82.6 -83.4 -85.4 -90.8	IMPACT 282  AZA 760-6 69-2 36-7 47-8 67-4 76-6 69-2 38-7 23-8 16-2 37-8 58-7 23-8 16-3 37-8 612-3	ALT 1776.38397 88.66670 87.27334 84.99746 86.88186 89.35304 93.20019 90.75964 89.47558 86.14963 83.83571 81.50057 81.20183 83.75890 85.55483 88.41525 99.33905 99.33905 99.33905 96.16443	B/A 0.893 0.998 0.981 0.981 0.881 0.851 0.879 0.954 0.998 0.988 0.988 0.999 0.950 0.866 0.86	T L(991 - 34. AZPHAZ - 93.2 2 - 90.2 - 85.2 - 85.2 - 95.7 - 90.2 - 95.7 - 95.2 - 94.8 - 90.2 - 96.3 - 80.9 - 80.9 - 80.9 - 102.2 - 90.2 - 90.2 - 101.1 - 100.1	INCO 70.2 60.0 53.3 58.8 64.6 66.1 61.9 554.4 47.3 75.8 11.1 72.8 77.3 71.1 77.4	R 3511.83'  Sha.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 47.8 12.3 42.4 22.6 47.9 32.1 53.2 30.1 53.2 7.0 58.9 11.7 53.7 2.6 48.4 10.5 57.9 33.1 36.8 38.9 37.2 47.3 36.8 38.9 37.2 47.3 36.8 38.9 37.2 47.3 36.8 48.4 48.6 44.8	V 1.995  ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6 32.1 33.9 35.0 35.1 35.6 18.7 4.5	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-2 164.66891 12-13 167.00461 13-14 175.91150 14-15 194.08009 15-16 155.96683 16-17 191.54120 17-18 219.42233 18-19 282.69303 19-20 254.335488 20-21 209.88887 21-22
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.887 -17.4963 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.84679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26000 18 -12.764 -15.383 1988.29222 19 -19.740 -13.345 2094.46503 20 -28.387 -9.495 2291.38947 21 -27.554 -16.959 2137.73712 22 -27.248 -26.757 2061.20822	AZS/C -12-7 -29-4 6-1 -55-4 -71-6 -49-4 -36-0 -19-3 1-5 2-4 6-1 102-5 163-8 -104-2 -97-0 -94-6 -77-6 -60-6 -47-7 -38-6 -27-7 -14-2 1-1	AZN 6.9 5.5 2.3 4.1 5.8 8.5 12.4 2.3 3.2 2.3 3.2 3.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	SEC TO 847.  AZSUM-777.4 -80.4 -80.4 -81.4 -92.2 -81.4 -77.3 -80.4 -83.4 -83.4 -83.4 -83.4 -83.4 -83.4 -83.4 -83.5 -83.2 -90.8 -83.4	IMPACT 282  AZA 600.6 690.2 360.7 855.9 670.4 769.6 23.8 227.8 227.8 460.2 277.8 460.2 277.8 460.2 277.8	88.66670 87.27334 88.66670 87.27334 83.83571 84.99746 66.88186 89.35304 93.2001 93.2001 89.47558 86.14963 83.475890 83.175890 85.55483 88.41525 89.89648 89.73079 97.29703 105.10056 99.33905 96.16443	LA' -3.6  B/A 0.899 0.938 0.981 0.881 0.794 0.851 0.873 0.958 0.988 0.981 0.999 0.500 0.866 0.847 0.702 0.694 0.530 0.655	T LL 941 -34. AZPHZ -93.2 -90.2 -85.6 -85.2 -94.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.2 -90.3 -102.2 -101.1 -100.1 -99.3	DN .492 INCD 70.2 60.0 53.3 58.8 64.6 66.1 9 54.4 3 47.3 72.7 563.9 70.3 71.1 72.8 75.4 75.4 64.7 75.5 64.7 71.5 75.4 77.1 57.6 77.1 57.7 57.7 57.7 57.7 57.7 57.7 57.7	R 3511.833  PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 53.2 7.0 53.2 7.0 53.7 2.6 42.4 22.6 42.2 28.7 42.5 38.1 53.0 18.2 53.2 30.1 18.2 53.2 30.1 18.2 53.2 30.1 35.8 31.2 36.8 38.9 37.2 34.1 36.8 38.9 38.2 59.2 48.6 44.8	V 1.995  ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -11.6 -11.1 33.9 35.1 35.6 74.5 -8.6	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.91150 14-15 194.08000 15-16 155.96683 16-17 191.54120 17-18 2194.0233 18-19 282.69303 18-20 254.35438 20-21 209.88857 21-22
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.887 -17.4963 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.4679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26000 18 -12.764 -15.383 1988.29222 19 -19.740 -13.345 2094.4653 20 -28.387 -9.495 2291.38947 21 -27.554 -18.959 2137.73712 22 -27.248 -26.757 2037.93301 24 -27.5790 -3.897 2037.93301 24 -27.5790 -3.897 2037.93301	AZS/C -12.7 -29.4 61 -75.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5 163.8 -104.2 -97.0 -94.6 -77.6 -60.6 -47.7 -78.6 -27.7	AZN 66.9 5.5 2 4.1 5.8 8.5 12.4 7.5 12.3 3.2 2.3 4.5 7.4 11.5 26.9 11.5 1.5 2.5 2.5 17.2 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2	SEC TO 847.  AZSUN -77.4 -79.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.1 -83.1 -83.2 -82.6 -82.7 -83.4 -85.5 -73.3 -74.9 -77.3	IMPACT 282  AZ A 8 600-6 500-7 557-9 670-7 69-2 800-7 69-2 800-7 69-2 800-7 80	88.66670 87.27334 88.66670 87.27334 84.99746 86.88186 89.35304 93.20019 90.75964 89.47558 86.14963 83.83571 81.50057 81.	LAN -3.5  B/A 0.899 0.933 0.998 0.981 0.794 0.851 0.873 0.954 0.988 0.981 0.999 0.950 0.8647 0.792 0.655 0.722 0.747 0.735	T L(941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -79.0 -84.2 -90.3 -102.2 -101.1 -99.3 -98.7	INCO 70.2 60.00 70.2 60.00 68.1 61.9 55.4 47.3 58.1 67.5 71.1 77.5 64.7 77.5 64.7 77.5 64.7 75.8 70.3 71.1 77.5 64.7 77.5 64.7 75.8 70.3 71.5 75.4 77.5 75.8 70.3 71.5 75.8 70.3 71.5 75.8 70.3 71.5 75.8 70.3 71.5 75.8 70.3 71.5 75.8 70.3 71.5 75.8 70.3 71.5 75.8 70.3 71.5 75.8 70.3 70.3 70.3 70.3 70.3 70.3 70.3 70.3	R 3511.833  PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 47.8 12.3 42.4 22.6 47.9 32.1 53.2 30.1 53.2 7.0 53.7 2.6 48.4 10.5 37.9 33.1 2.6 48.4 10.5 37.9 33.1 36.8 38.9 37.2 47.3 38.2 59.2 43.3 50.2 43.3 50.2 43.3 50.2 43.3 50.2 43.3 50.2 43.3 50.2 43.3 50.2 43.3 50.2 43.3 50.2	V 1.995  ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6 32.1 33.9 35.0 35.6 18.7 -8.6 -21.3	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.91150 14-15 194.08009 15-16 155.96683 16-17 191.54120 17-18 219.4223 18-19 282.69303 19-20 254.35438 20-21 202.20193 22-23 188.90847 23-24
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.9408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1977.02161 8 -19.552 -27.881 1918.69420 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.84679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26008 18 -12.764 -15.383 1988.29222 19 -19.740 -13.345 2094.46503 20 -28.387 -9.495 2291.38947 21 -27.554 -18.959 2137.73712 22 -27.248 -26.757 2061.20822 23 -27.276 -33.897 2037.93301 24 -27.590 -40.916 2060.80511 5 -1.982 -40.478 1921.57277	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 102.5 163.8 104.2 -97.0 -77.6 -77.6 -77.6 -77.6 -104.2 -77.1 -78.6 -77.6	AZN 6.9 5.5 5.3 4.1 5.8 8.5 12.4 7.5 2.6 2.3 3.9 4.1 1.5 2.6.9 11.7 2.6.9 11.5 2.6.9 11.	SEC TO 847.  AZSUM-777.4 -80.4 -80.4 -81.4 -92.2 -81.4 -77.3 -80.4 -83.5 -83.5 -83.5 -83.2 -82.6 -82.7 -83.4 -83.5 -83.5 -83.2 -82.6 -82.7 -83.1 -83.5 -83.2 -71.3	IMPACT 282 AZA8 600.62 366.78 650.78 650.78 650.78 650.78 650.78 660.62 216.38 227.88 61.93 661.93 650.88	88.66670 87.27334 88.66670 87.27334 84.99746 66.88186 89.35304 90.775964 89.47558 86.14963 83.47589 86.14963 83.47589 81.50057 81.50057 81.50057 81.50057 81.50057 81.50489 89.273079 97.29703 105.10056 99.33905 96.16443 94.28984 89.17045	LAN 1 - 3	T LL 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -96.3 -102.2 -96.3 -102.1 -100.1 -99.3 -98.7 -94.7 -94.7 -94.7 -94.7 -94.7 -94.7 -94.7 -94.7 -94.7	INCO 70-2 1 NCO 70-2 5 8-8 6 6-0 0 68-1 1 54-4 3 52-7 53-0 71-1 72-8 771-5 8-7 75-5 9-9 71-5 53-0 5 50-5 50-5 50-5 50-5 50-5 50-5	R 3511.833  PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 47.9 32.1 53.2 30.1 53.2 7.0 53.7 2.6 48.4 10.5 43.1 21.5 53.0 18.2 53.0 33.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.3 35.2 59.0 44.8	V 1.995 ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6 -1.1 33.9 35.0 35.1 35.6 -21.3 -8.6 -21.3	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 144.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.9150 14-15 194.08009 15-16 155.96683 16-17 191.54120 17-18 219.42233 18-19 282.69303 19-20 254.35438 20-21 209.88857 21-22 108.890847 23-24 230.78352 24-25
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.887 -17.463 1940.18338 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.94008 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09901 7 -19.548 -21.101 1979.02161 8 -19.552 -27.881 1918.69420 9 -19.700 -34.225 1901.01241 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.4679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.726000 18 -12.764 -15.383 1988.29222 19 -19.740 -13.345 2094.66503 20 -28.387 -9.495 2291.38947 21 -27.554 -16.959 2137.73712 22 -27.248 -26.757 2061.20822 23 -27.276 -33.897 2037.93301 25 -19.982 -40.478 1921.57277 26 -13.560 -4.0355 1840.56761	AZS/C -12.7 -29.4 61 -75.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5 163.8 -104.2 -97.0 -94.6 -77.6 -60.6 -47.7 -38.6 -27.7 -14.2 1.1	AZN 66.9 55.5 44.1 5.8 8.5 12.4 7.5 2.3 3.9 4.5 17.2 2.3 11.5 17.2 2.5 17.2 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2	SEC TO 847.  AZSUN -77.4 -79.4 -80.4 -81.4 -81.5 -78.3 -74.9 -77.3 -80.4 -83.1 -83.4 -83.5 -83.4 -83.6 -82.6 -82.7 -83.4 -90.8 -83.6 -82.7 -83.4 -90.8 -83.6 -82.7 -83.4 -90.8 -83.6	IMPACT AREA AREA AREA AREA AREA AREA AREA AREA	ALT 1776.38397 88.66670 87.27334 83.83571 84.99746 86.88186 93.35304 93.20019 90.75964 89.47558 86.14963 83.83571 81.50057 81.20183 83.75890 85.555483 88.41525 89.89648 92.73079 97.29703 105.10056 99.33905 94.28984 89.17045 85.855183	LA'3.'.  8./8  8./8  0.993  0.9981  0.994  0.993  0.996  0.851  0.998  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988  0.988	T L(941 -34.  AZPHAZ -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -96.3 -102.2 -101.1 -99.3 -102.2 -100.1 -99.3 -98.7 -94.2 -96.3	DN 492 1NC 0 2 66.0 53.3 58.8 66.0 66.0 66.1 55.3 3 47.3 75.8 1 70.3 771.1 772.8 772.8 775.4 771.5 58.7 75.4 771.5 58.7 75.4 771.5 58.7 75.4 771.5 58.7 75.8 75.8 75.8 75.8 75.8 75.8 75	R 3511.833  PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 42.5 38.1 53.2 30.1 53.2 30.1 53.2 30.1 53.2 30.1 53.2 7.0 68.4 10.5 53.7 12.6 48.4 10.5 37.9 33.1 36.8 38.9 37.2 47.3 38.2 59.2 48.6 44.8 53.8 43.1 58.5 32.4 58.5 32.4	V 1.995  ALPHA 30.7 10.6 -0.3 10.8 22-1 22-5 21.4 8.7 -3.3 -0.8 -0.3 -11.1 9.7 20.6 32.1 33.9 35.0 35.1 35.6 -8.6 -8.6 -21.3 -15.2	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 194.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.91150 14-15 194.08009 15-16 155.96683 16-17 191.54120 17-18 2194.29303 19-20 254.35438 20-21 209.88857 21-22 2192.20193 22-23 188.90847 23-24 230.78352 24-25 194.58488 25-26
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 2 -13.061 -28.595 1836.39337 3 -7.480 -34.724 1782.9408 4 -7.194 -29.092 1796.86491 5 -6.890 -23.156 1845.85403 6 -12.885 -22.355 1889.09981 7 -19.548 -21.101 1977.02161 8 -19.552 -27.881 1918.69420 10 -13.286 -34.489 1821.34798 11 -7.480 -34.724 1782.94408 12 -2.972 -40.355 1794.66199 13 -2.686 -34.919 1777.30179 14 -2.347 -29.411 1791.08783 15 -1.943 -23.613 1838.84679 16 -1.443 -17.222 1927.47169 17 -6.554 -16.592 1937.26008 18 -12.764 -15.383 1988.29222 19 -19.740 -13.345 2094.46503 20 -28.387 -9.495 2291.38947 21 -27.554 -18.959 2137.73712 22 -27.248 -26.757 2061.20822 23 -27.276 -33.897 2037.93301 24 -27.590 -40.916 2060.80511 5 -1.982 -40.478 1921.57277	AZS/C -12.7 -29.4 6.1 -55.4 -71.6 -49.4 -36.0 -19.3 1.5 2.4 6.1 102.5 163.8 -104.2 -97.0 -94.6 -77.6 -47.7 -38.6 -27.7 -14.2 -27.7 -14.2 -27.7 -14.2 -27.7 -14.2 -27.7 -14.2 -27.7 -14.2 -27.7 -14.2 -27.7 -14.2 -27.7 -	AZN 6.9 5.5 5.3 4.1 5.8 8.5 12.4 7.5 2.6 2.3 3.9 4.1 1.5 2.6.9 11.7 2.6.9 11.5 2.6.9 11.	SEC TO 847.  AZSUM-777.4 -80.4 -80.4 -81.4 -92.2 -81.4 -77.3 -80.4 -83.5 -83.5 -83.5 -83.2 -82.6 -82.7 -83.4 -83.5 -83.5 -83.2 -82.6 -82.7 -83.1 -83.5 -83.2 -71.3	IMPACT 282 AZA8 600.62 366.78 650.78 650.78 650.78 650.78 650.78 660.62 216.38 227.88 61.93 661.93 650.88	88.66670 87.27334 88.66670 87.27334 84.99746 66.88186 89.35304 90.775964 89.47558 86.14963 83.47589 86.14963 83.47589 81.50057 81.50057 81.50057 81.50057 81.50057 81.50489 89.273079 97.29703 105.10056 99.33905 96.16443 94.28984 89.17045	LA' -3.'	T LL 941 -34. AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.0 -79.0 -84.2 -96.3 -102.2 -101.1 -100.1 -99.3 -98.7 -99.2 -85.9 -80.2 -88.7 -99.2 -85.9	DN .492 INCO .2 .66.0 .68.1 .63.3 .47.3 .71.1 .63.9 .77.2 .84.7 .79.9 .71.2 .84.7 .79.9 .70.5 .64.7 .79.9 .70.5 .64.7 .79.9 .70.5 .7	R 3511.833  PHAZ EMIS 38.6 34.4 47.6 21.0 47.8 12.3 42.4 22.6 42.2 28.7 47.9 32.1 53.2 30.1 53.2 7.0 53.7 2.6 48.4 10.5 43.1 21.5 53.0 18.2 53.0 33.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.2 34.1 37.3 35.2 59.0 44.8	V 1.995  ALPHA 30.7 10.6 -0.3 10.8 22.1 22.5 21.4 8.7 -3.3 -0.8 -0.3 -11.6 -1.1 33.9 35.1 35.6 -21.3 -15.2 -12.1	PTH AZ -73.791 116.865  SCALE PT-PT 0. 0-1 316.39384 1-2 248.84368 2-3 169.42299 3-4 178.66408 4-5 183.15383 5-6 205.08973 6-7 193.50072 7-8 181.04086 8-9 144.43968 9-10 175.98494 10-11 217.88999 11-12 164.66891 12-13 167.00461 13-14 175.9150 14-15 194.08009 15-16 155.96683 16-17 191.54120 17-18 219.42233 18-19 282.69303 19-20 254.35438 20-21 209.88857 21-22 108.890847 23-24 230.78352 24-25

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		74D NO		ATI 40 DUOTO NO		
JULY 31,1964 13 HR 11 MIN 46	2M RFA 142	TAB NO	35	ATLAS PHOTO NO	35 POD 9	SEQUENCE NO 76
JULY 31,11764 13 HK 11 HIR 40	3EC 030 M3					
TRAJECTURY DATA		SEC TO IMPACT		LAT LON	R V	PTH AZ
		842.162	1766.57106	3 -3.962 -34.450	3502.026 1.997	-73.759 116.860
PHOTO DATA PT LAT LON RANGE	AZS/C AZI	AZSUN AZA	A •	B/A AZPHAZ INCO		SCALE PT-PT
1 -11.878 -17.982 1929.61754	-12.9 6.		88.19203		38.6 34.4 30.7	0- 0-1
2 -13.058 -28.536 1826.60947	-29.5 5.		86.80836		47.6 21.1 10.7	314.17255 1- 2
3 -7.507 -34.636 1773.15916	5.3 2.	8 -80.4 68.9	83.38003		53.2 7.0 -0.2	247.55823 2- 3
4 -7.222 -29.033 1787.22545	-55.4 4.		84.54141		47.8 12.4 10.8	168-52125 3- 4
5 -6.919 -23.127 1836.09926	-71.5 5. -49.5 8.		86.42248		42.4 22.7 22.1	177.75197 4- 5 182.20607 5- 6
6 -12.883 -22.329 1879.19112 7 -19.510 -21.081 1968.59056	-49.5 8. -36.0 12.		88.88435 92.70902		42.2 28.7 22.5	203.98840 6- 7
8 -19.513 -27.825 1908.42711	-19.4 7.		90.27390		47.9 32.1 8.H	192.52092 7- 8
9 -19.659 -34.134 1890.57681	1.3 2.	-75:0 80.5	08.98417	U.873 -94.8 56.2	53.2 30.1 -3.2	180.08473 8- 9
10 -13.261 -54.400 1811.40823	2.1 2.		85.67947		53.0 18.2 -0.7	193.34965 9-10
11 -7.507 -34.636 1773.15916	5.3 2.		83.38003		53.2 7.0 -0.2	175.03308 10-11 216.64496 11-12
	102.3 1. 165.3 2.		80.99649 80.74561		58.9 11.5 -11.5 53.7 2.5 -1.0	163.70832 12-13
14 -2.401 -29.351 1781.35416			83.30345		48.4 10.5 9.7	166.10412 13-14
	-96.8 4.		85.09580		43.1 21.5 20.7	174.99869 14-15
16 -1.501 -17.226 1917.18501	-94.5 4.		87.94252		37.9 33.1 32.1	193.06013 15-16
17 -6.585 -16.597 1927.07607	-77.6 /.		89.42345		37.2 34.1 33.9	155.14979 16-17
	-60.6 11. -47.8 17.		92.24665 96.78456		36.8 38.9 35.0 37.2 47.2 35.1	190.55589 17-18 218.22128 18-19
	-38.6 26.				36.2 59.1 35.6	280.75232 19-20
	-27.8 18.			0.656 -101.1 71.5	43.3 50.1 18.7	252.81191 20-21
22 -27.162 -26.707 2049.89969	-14.3 11.		95.63647		7 48.6 44.8 4.6	208.78584 21-22
23 -27.187 -33.802 2026.44633	0.9 3.		94.04844		53.8 43.0 -8.4	191.16951 22-23
24 -27.494 -40.773 2048.68304 25 -19.937 -40.349 1910.63513	16.1 -5. 21.7 -2.		93.73445 88.66257		59.0 44.7 -21.1 7 58.5 32.4 -15.0	187.75898 23-24 229.21698 24-25
26 -13.552 -40.182 1830.18794	32.6 -0.		85.36767		58.4 21.7 -12.0	193.44000 25-26
27 -7.783 -40.162 1790.93536	58.6 U.		83.20758	0.994 -85.9 48.0	58.5 13.5 -11.0	174.75336 26-27
28 -3.024 -40.234 1784.39226	102.3 1.	3 -83.1 3.9	80.99649		58.9 11.5 -11.5	144.14468 27-28
	1010	J -03.1 3.7	00.77047	0.901 -02.2 41.	+ 50.9 11.5 -11.5	144.14400 27 20
	10213					
HH V 31.1044 14 HP 13 M(N 51		TAB NO		ATLAS PHOTO NO		SEQUENCE NO 78
JULY 31,1964 13 HR 11 MIN 51						
JULY 31,1964 13 HR 11 MIN 51		TAB NO	) 36 . ALT	ATLAS PHOTO NO	36 POD	SEQUENCE NO 78
TRAJECTURY DATA		TAB NO	36	ATLAS PHOTO NO	36 POD	SEQUENCE NO 78
TRAJECTURY DATA PHOTO DATA	SEC 757 MS	TAB NO	36 1 ALT 1756.7500	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408	36 POD  R  V  3492.205 1.999	PTH AZ 9 -73.727 116.855
TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE	SEC 757 MS	TAB NO SEC TO IMPAC 837.042 N AZSUN AZA	36 1 ALT 1756.7500	ATLAS PHOTO NO  LAT LUN 9 -3.983 -34.408  B/A AZPHAZ INCO	36 POD  R V 3492.205 1.999	PTH AZ 0 -73.727 116.855 SCALE PT-PT
TRAJECTURY DATA PHOTO DATA	SEC 757 MS	TAB NO SEC TO IMPAC 837.042 N AZSUN AZA 9 -77.5 70.5	36 1 ALT 1756.7500	ATLAS PHOTO NO  LAT LUN 9 -3.983 -34.408  B/A AZPHAZ INCC 0.899 -93.2 70.	36 POD  R  V  3492.205 1.999	PTH AZ 7-73.727 116.855 SCALE PT-PT 0. 0-1 311.95226 1-2
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.869 -18.000 1919.04134 2 -13.055 -28.478 1816.820/6 3 -7.554 -34.547 1/63.37024	AZS/C AZ -13.1 6. -29.7 5. 4.6 2.	TAB NO SEC TO IMPAC 837-042 N AZSUN AZA 9 -77-5 70-5 9 -79-5 60-3 3 -80-4 68-6	At 1756.7500 A* 87.71729 86.34316 82.92455	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  8/A AZPHAZ INCC 0.899 -93.2 70. 0.933 -90.2 60. 0.999 -85.6 53.*	R V 3492.205 1.99° D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 53.2 7.1 -0.1	PTH AZ 7 -73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.864 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 4.	TAB NO SEC TO IMPAC 837.042 N AZSUN AZA 9 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 2 -81.4 50.1	ALT 1756.7500 A* 87.71729 80.34316 82.92455 84.08501	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  B/A AZPHA2 NC. 0.899 -93.2 70.2 0.933 -90.2 60. 0.999 -85.6 53.0 0.991 -85.2 58.7	36 POD  R V 3492.205 1.999  PHAZ EMIS ALPHA 1 38-6 34-3 30-7 1 47-6 21.1 10.8 53.2 7.1 -0.1 9 47-8 12.5 10.9	PTH AZ 9 -73.727 116.855 SCALE PT-PT 0 0-1 311.95226 1-2 246.7253 2-3 167.61901 3-4
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.864 -18.000 1919.04134 2 -13.055 -28.478 1816.820/6 3 -7.534 -34.547 1763.37024 4 -7.250 -28.97/4 1777.57860 5 -5.944 -23.078 1826.33430	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 5.	TAB NO SEC TO IMPAC 837.042 N AZSUN AZA 9 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 2 -81.4 50.1 9 -82.1 36.8	ALT 1756.7500° A* 87.71729 86.34316 82.92455 84.08501 85.96262	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  B/A AZPHAZ INCC 0.899 -93.2 70. 0.933 -90.2 60. 0.999 -85.6 53. 0.881 -65.2 58. 0.981 -64.7 64.7 0.931 -44.7 64.7	R V 3492.205 1.994 D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 7 42.4 22.7 22.2	PTH AZ 9 -73.727 116.855 SCALE PT-PT 0. 0 -1 311.95226 1-2 246.27253 2-3 167.61901 3-4 176.83838 4-5
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.864 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -6.944 -23.098 1826.33430 6 -12.881 -22.302 1869.27486	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 4. -71.5 5.	TAB NO SEC TO IMPAC 837.042 N AZSUN AZA 9 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 2 -81.4 50.1 9 -81.4 36.8	ALT 1756.7500 A• 87.71729 86.34316 82.92455 84.08501 85.96268 88.41531	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  8/A AZPHAZ INC. 0.899 -93.2 70. 0.933 -90.2 60. 0.999 -85.6 53.0 0.981 -86.7 64. 0.981 -84.7 64. 0.881 -90.2 66.	36 POD  R V 3492.205 1.99' D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 22.7 22.2	SEQUENCE NO 78  PTH AZ  7-73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.864 -18.000 1919.04134 2 -13.055 -28.478 1816.820/6 3 -7.534 -34.547 1763.37024 4 -7.250 -28.97/4 1777.57860 5 -5.944 -23.078 1826.33430	AZS/C AZ -13.1 6. -29.7 5. -4.6 2. -55.4 4. -71.5 5. -49.5 8.	TAB NO SEC TO IMPAC 837.042 N AZSUN AZA 9 -77.5 70.5 0 -79.5 60.3 3 -80.4 68.6 2 -81.4 50.1 9 -82.1 36.8 5 -81.4 41.7 4 -81.6 55.7	ALT 1756.7500° A* 87.71729 86.34316 82.92455 84.08501 85.96262	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  8/A AZPHAZ INC( 0.899 -93.2 70.1 0.933 -90.2 60. 0.999 -85.6 53.4 0.981 -85.2 58.5 0.931 -84.7 64.7 6.881 -90.2 66. 0.194 -95.7 68.1	R V 3492.205 1.994 D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 7 42.4 22.7 22.2	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.2723 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.869 -18.000 1919.04134 2 -13.055 -28.478 1816.820/6 3 -7.534 -34.547 1/63.37024 4 -7.250 -28.974 1/77.57860 5 -6.949 -23.098 1826.33430 6 -12.881 -22.302 1864.27486 7 -19.473 -21.061 1958.1956 8 -19.475 -27.769 1898.15976 9 -19.619 -34.03 1880.14494	AZS/C AZ -13.1 6. -29.1 6. -29.4 2. -55.4 4.6 2. -71.5 5. -49.5 8. -36.1 12. -19.5 1.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZA 5 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 2 -81.4 50.1 9 -82.1 36.8 6 -81.4 41.7 4 -81.6 55.7 6 -78.4 67.1 7 -75.1 80.3	ALT 1756.75000 A+ 87.71729 86.34316 82.92455 84.08501 85.96262 85.96262 84.1531 92.21771 89.78814 88.49245	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  B/A AZPHAZ INC. 0.899 -93.2 70 0.993 -90.2 60 0.999 -85.6 53.4 0.991 -86.2 58.4 0.991 -86.2 58.4 0.991 -86.7 64. 0.881 -90.2 66. 0.991 -95.7 68. 0.991 -95.7 68. 0.891 -95.2 62.0 0.893 -94.8 56.	36 POD  R V 3492.205 1.999  PHAZ EMIS ALPHA 1 384.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 30.0 -3.1	PTH AZ 7-73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.7253 2-3 107.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12877 8-9
TRAJECTURY DATA  PHOTO DATA  PY LAY LON RANGE 1 -11.864 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.554 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -5.944 -23.002 1869.27486 6 -12.881 -22.302 1869.27486 7 -19.473 -21.001 1958.1560 8 -19.475 -27.769 1898.15976 9 -19.619 -34.043 1880.14694 10 -13.276 -34.310 1801.46725	AZS/C AZ -13.1 6. -29.7 5. -4.6 2. -55.4 4. -71.5 8. -36.1 12. -19.5 1. 1.1 2.	TAB NO SEC TO IMPAC 837-042 N AZSUN AZA 9 -77.5 70.5 50 -79.5 60.3 3 -80.4 68.6 62 -81.4 50.1 9 -82.1 36.8 67.1 7 -75.1 80.3 76.1	A+ 1756.7500 A+ 87.71729 80.34316 82.92455 84.08501 85.96262 88.41531 92.21771 89.78814 88.49275 85.20928	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408 8/A AZPHAZ INCC 0.899 -93.2 70 0.933 -90.2 60. 0.999 -85.6 53. 0.991 -85.6 53. 0.991 -85.7 64. 0.881 -90.2 66. 0.194 -95.7 68. 0.881 -90.2 66. 0.194 -95.7 68. 0.881 -90.2 66. 0.194 -95.7 68. 0.881 -90.2 66. 0.914 -90.2 56.	36 POD  R V 3492.205 1.99' D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 30.0 -3.1 6 53.0 18.2 -0.7	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 107.61901 3-4 176.89381 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.17877 8-9 192.26202 9-10
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.869 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.554 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -0.949 -23.098 1826.33450 6 -12.881 -22.302 1864.2446 7 -19.473 -21.061 1958.15660 8 -19.475 -27.769 1898.15976 9 -19.615 -34.310 1801.4672 11 -7.534 -34.547 1763.37024	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 4.71.5 8. -36.1 12. -19.5 7. 1.1 7. 1.8 2. 4.6 2.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZSUN COLOR 9 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 5 -81.4 40.7 4 -81.6 55.7 6 -78.4 67.1 7 -75.1 80.3 7 -75.1 80.3 7 -75.1 80.3	ALT 1756.7500 A• 87.71729 86.34316 82.92455 84.08501 85.96262 88.441531 92.21771 89.78814 86.49245 85.20245	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  B/A AZPHAZ INC( 0.899 -93.2 70. 0.993 -90.2 60. 0.994 -85.6 53. 0.981 -85.2 58. 0.981 -86.7 64. 0.881 -90.2 66. 0.194 -95.7 68. 0.881 -95.2 62. 0.883 -94.8 56. 0.954 -90.2 54. 0.8954 -90.2 54.	R V 3492.205 1.999 D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 90.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1	SEQUENCE NO 78  PTH AZ 9-73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.7253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12817 8-9 192.26202 9-10 174.08165 10-11
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.864 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -6.949 -23.098 1826.33430 6 -12.881 -22.302 1864.27486 7 -19.473 -21.061 1958.1960 8 -19.475 -27.769 1898.15976 9 -19.619 -34.043 1880.14494 10 -13.276 -34.310 1801.4672 11 -7.554 -34.547 1763.37024 12 -3.077 -40.114 1774.17123	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 4. -71.5 5. -49.5 8. -36.1 12. 11.1 2. 1.8 2. 4.6 2.	TAB NO SEC TO IMPAC 837-042  N AZSUN AZA 9 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 6 5 -81.4 47.7 6 -81.6 5-7.5 180.3 76.1 3 -80.4 68.6 67.1 7 -75.1 80.3 76.1 3 -80.4 68.6 68.6 68.6 68.6 68.6 68.6 68.6 68	ALT 1756.7500' 87.71729 80.34316 82.92455 84.08501 85.9626 88.41531 92.21771 89.78814 88.49245 85.20925 82.92455	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  8/A AZPHAZ INCC 0.899 -93.2 70 0.933 -90.2 60. 0.999 -85.6 53. 0.981 -85.2 58. 0.981 -85.2 58. 0.881 -90.2 66. 0.794 -95.7 68. 0.851 99.2 54. 0.853 -94.8 56. 0.994 -85.6 53. 0.999 -85.6 53.	36 POD  R V 3492.205 1.99  D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 30.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 58.9 11.4 -11.4	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-P1 0. 0-1 311.95226 1-2 246.27253 2-3 107.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.128178 8-9 192.26202 9-10 174.08165 10-11 215.40048 11-12
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.869 -18.000 1919.04134 2 -13.05 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -0.949 -23.098 1826.33450 6 -12.881 -22.02 1869.27486 7 -19.473 -21.061 1958.15660 8 -19.475 -27.769 1898.15976 9 -19.619 -34.040 1880.14494 10 -13.276 -34.310 1801.46725 11 -7.534 -34.547 1763.37024 12 -3.077 -40.114 1774.12163	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 6. -71.5 5. -49.5 8. -36.1 12. -19.9 7. 1.1 2. 1.8 2. 102.1 1.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZSUN 2 -77.5 70.5 5 -79.5 60.3 3 -80.4 66.6 5 -81.4 40.7 4 -81.6 55.7 6 -77.1 80.3 3 -80.4 63.6 3 -83.0 2.9 3 -83.3 58.2	ALT 1756.75UU' A* 87.71729 86.34116 82.92455 84.08501 85.96262 88.441531 92.21771 89.78814 88.49295 81.49331 80.28942	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  8/A AZPHAZ INCC 0.899 -93.2 70. 0.933 -90.2 60. 0.999 -85.6 53. 0.991 -86.7 64. 0.891 -90.2 66. 0.194 -95.7 68. 0.991 -95.2 62. 0.871 -94.8 56. 0.954 -90.2 54. 0.956 -90.2 54. 0.957 -82.2 47. 0.995 -82.2 47. 0.995 -82.2 47.	R V 3492.205 1.999 D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 90.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1	SEQUENCE NO 78  PTH AZ 9-73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.7253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12817 8-9 192.26202 9-10 174.08165 10-11
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.864 -18.000 1919.04134 2 -13.055 -28.478 1816.820/6 3 -7.554 -34.547 1/63.37024 4 -7.250 -28.974 1/77.5/860 5 -6.944 -23.098 1826.33430 6 -12.881 -22.302 1864.27486 7 -19.475 -21.061 1958.1956 8 -19.475 -27.769 1898.1976 9 -19.619 -34.043 1880.14494 10 -13.276 -34.310 1801.4672 11 -7.554 -34.340 1801.4672 12 -3.077 -40.114 1/74.12103 13 -2.702 -34.741 1/57.55313 14 -2.456 -2.922 1/71.61166	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 6. -71.5 5. -49.5 8. -36.1 12. -19.9 7. 1.1 2. 1.8 2. 102.1 1.	TAB NO SEC TO IMPAC 837-042 N AZSUN AZ A 9 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 6 55.7 6 -78.4 67.1 80.3 70.1 80.3 70.1 80.3 70.1 80.3 70.1 80.3 70.1 80.3 58.2 2 83.4 86.1	ALT 1756.7500' 87.71729 80.34316 82.92455 84.08501 85.9626 88.41531 92.21771 89.78814 88.49245 85.20925 82.92455	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  8/A AZPHAZ INCC 0.899 -93.2 70. 0.933 -90.2 60. 0.999 -85.6 53. 0.981 -64.7 64. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.895 -90.2 56. 0.996 -80.2 47. 0.997 -81.6 53. 0.987 -82.2 47. 0.999 -81.6 53. 0.987 -82.2 47. 0.999 -80.9 58.	R V 3492.205 1.99' D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 30.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 5 58.9 11.4 -11.4 8 53.7 2.5 -0.9 3 48.4 10.6 9.8 0 43.1 21.5 20.7	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12877 8-9 192.26202 9-10 174.08165 10-11 215.40048 11-12 165.2026 13-14 174.08428 14-15
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.869 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.554 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -6.944 -23.098 1826.33450 6 -12.881 -22.302 1864.27486 7 -19.473 -21.061 1958.1956 8 -19.475 -27.769 1898.1997 10 -13.276 -34.310 1801.4672 11 -7.534 -34.547 1763.37024 12 -3.077 -40.114 1774.12163 13 -2.792 -34.741 1757.55313 14 -2.456 -29.292 1771.61166 15 -2.054 -73.554 1819.12651 16 -1.560 -17.230 1906.88387	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 4. -71.5 5. -49.5 8. 1.1 2. -19.5 7. 1.1 2. 1.1 2. 1.1 166.9 2. -103.4 3. -96.6 4.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZ 9 -77.5 70.5 5 -79.5 60.3 9 -81.4 50.1 9 -82.1 36.8 5 -81.4 47.7 6 -78.4 67.1 6 -78.4 67.1 7 -75.1 80.3 4 -77.3 76.1 3 -80.4 68.6 3 -83.3 58.2 2 -83.4 36.1 5 -83.2 24.1 5 -83.2 24.1	ALT 1756-7500 87.71/29 86.34316 82.92455 84.08501 92.21771 89.42671 88.492925 86.49331 80.28942 42.84760 84.63624 87.4691	ATLAS PHOTO NO  1	36 POD  R V 3492.205 1.99 D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 30.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 5 58.9 11.4 -11.4 8 53.7 2.5 -0.9 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 7.9 33.1 32.1	PTH AZ 7-73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 107.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.17877 8-9 192.26202 9-10 174.08165 10-11 215.4028 7-8 179.27847 8-1 125.4036 11-12 162.74848 12-13 165.2036 13-14 174.0828 12-13
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.869 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -6.949 -23.098 1826.33430 6 -12.881 -22.302 1869.27486 7 -19.473 -21.001 1958.15660 8 -19.473 -21.001 1958.15660 9 -19.619 -34.043 1880.14494 10 -13.276 -34.310 1801.46725 11 -7.534 -34.547 1763.37024 12 -3.077 -40.114 1774.12165 13 -2.792 -34.741 1757.55513 14 -2.456 -29.292 1771.61166 15 -20.954 -23.554 1819.12651 16 -1.560 -17.2730 1906.88387 17 -6.616 -16.501 1916.87871	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 4. -71.5 5. -36.1 12. -19.5 1. 1.1 2. 4.6 2. 102.1 1. 106.9 2. -103.4 3. -94.4 4.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZSUN 9 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 2 -81.4 50.1 9 -82.1 36.8 4 -91.6 75.7 7 -75.1 80.3 3 -80.4 64.6 4 -77.3 76.1 3 -80.4 64.6 5 -81.4 50.1 7 -75.1 80.3 5 -83.3 58.2 2 -83.3 58.2 2 -83.4 36.1 5 -82.6 16.5 5 -82.6 16.5	ALT 1756.75UU' 87.71729 80.34116 82.92455 84.08501 85.96262 88.41531 92.21771 88.49245 85.20925 82.92455 80.4931 80.28942 82.84760 84.63624 87.46912 88.44994	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  8/A AZPHAZ INC( 0.899 -93.2 70 0.933 -90.2 60. 0.994 -85.6 53. 0.981 -85.2 58.6 0.991 -86.7 64. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -96.2 64. 0.994 -80.2 54. 0.999 -80.6 53. 0.999 -80.2 54. 0.999 -80.2 54. 0.999 -80.0 64. 0.966 -79.0 70. 0.864 -84.2 71.	36 POD  R V 3492.205 1.99' D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 30.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 3 37.9 33.1 33.1 33.1 33.1 37.2 34.1 33.9	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27.253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12877 8-9 192.26202 9-10 174.08165 10-11 215.40048 11-12 162.74848 12-13 165.20296 13-14 174.08185 15-16 192.03785 15-16
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.869 -18.000 1919.04134  2 -13.055 -28.478 1816.82076  3 -7.554 -34.547 1763.37024  4 -7.250 -28.974 1777.57860  5 -0.949 -23.098 1826.334930  6 -12.881 -22.302 1869.27486  7 -19.473 -21.061 1958.15660  8 -19.475 -27.769 1898.15976  9 -19.619 -34.031 1880.14672  11 -7.534 -34.547 1763.37024  12 -3.077 -40.114 1774.12103  13 -2.7792 -34.741 1757.55313  14 -2.456 -29.292 1771.61166  15 -2.054 -73.554 1819.12651  16 -1.560 -17.230 1906.88387  17 -6.616 -16.601 1916.88387  18 -12.702 -11.601 1916.88387	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 6. -71.5 5. -49.5 8. -36.1 12. -19.5 7. 1.1 2. 1.0 2. 1.0 2. 1.0 2. 1.0 3. -96.6 4. -77.5 7. -60.6 11.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZSUN 9 -77.5 70.5 5 -79.5 60.3 3 -80.4 68.6 5 -81.4 47.7 4 -81.6 55.7 7 -75.1 80.3 4 -77.3 76.1 6 -78.4 67.1 7 -75.1 80.3 3 -80.4 68.6 3 -83.0 2.9 2 -83.4 36.1 5 -83.2 24.1 5 -83.2 24.1 5 -82.6 27.5 6 -83.3 37.9	ALT 1756-7500'  A*  87-71729  86.34316  82-92455  84-08501  85-96262  88-41531  92-21771  89-78814  88-49245  80-49341  80-28942  82-84760  84-63624  87-46912  88-94982	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  8/A AZPHAZ INC. 0.899 -93.2 70 0.933 -90.2 60. 0.991 -85.6 53. 0.981 -85.2 58. 0.981 -95.2 66. 0.991 -84.7 64. 0.881 -90.2 66. 0.194 -99.7 68. 0.891 -95.2 62. 0.891 -95.2 62. 0.891 -95.2 62. 0.999 -85.6 53. 0.987 -82.2 47. 0.981 -81.6 52. 0.999 -80.0 64. 0.999 -80.0 64. 0.999 -80.0 64. 0.866 79.0 70. 0.864 -86.2 71. 0.792 -90.2 72.	36 POD  R V 3492.205 1.999  D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 90.0 -3.1 5 58.9 11.4 -11.4 8 53.7 2.5 -0.7 9 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 37.9 33.1 32.1 1 37.2 34.1 33.9 7 36.8 38.9 34.9	SEQUENCE NO 78  PTH AZ  7-73-727 116-855  SCALE PT-PT 0. 0-1 311-95226 1-2 246-27253 2-3 167-61901 3-4 176-83838 4-5 181-25826 5-6 202-88862 6-7 191-54028 7-8 179-17877 8-9 192-26-202 9-10 174-08165 10-11 162-74848 12-13 165-20296 13-14 174-08428 14-15 192-03785 15-16 154-33202 16-17 189-57024 17-18
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.869 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -6.949 -23.098 1826.33430 6 -12.881 -22.302 1869.27486 7 -19.473 -21.001 1958.15660 8 -19.473 -21.001 1958.15660 9 -19.619 -34.043 1880.14494 10 -13.276 -34.310 1801.46725 11 -7.534 -34.547 1763.37024 12 -3.077 -40.114 1774.12163 13 -2.792 -34.741 1757.55313 14 -2.456 -29.292 1771.61166 15 -20.94 -23.554 1819.12691 16 -1.560 -17.230 1906.88387 17 -6.616 -16.601 1916.8787 18 -12.762 -15.402 1967.52165 19 -19.663 -13.391 2072.38611	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 4. -71.5 5. -36.1 12. -19.5 1. 1.1 2. 4.6 2. 102.1 1. 106.9 2. -103.4 3. -94.4 4.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZ 9 -77.5 70.5 5 -79.5 60.3 1 -80.4 68.6 2 -81.4 50.1 5 -81.4 41.7 4 -81.6 55.7 7 -75.1 80.3 3 -80.4 68.6 3 -83.3 76.1 3 -80.4 68.6 0 -83.2 24.1 5 -83.2 24.1 5 -83.2 24.1 5 -83.3 37.9	ALT 1756.7500'  87.71729  80.34316  82.92455  84.08501  85.96262  88.41531  92.21771  88.49295  88.292455  88.292453  80.28348  80.28348  82.844601  84.63624  88.46302  88.46302  87.46312  88.9482  91.76204	ATLAS PHOTO NO  LAT LON 9 -3.483 -34408  8/A AZPHAZ INCC 0.899 -93.2 70.1 0.993 -98.6 53. 0.981 -88.7 64.7 6.881 -90.2 66. 0.994 -89.2 76.2 0.873 -94.8 56. 0.994 -80.0 64.7 0.999 -80.0 53. 0.991 -81.6 52. 0.999 -80.0 64.0 0.967 -80.0 95. 0.999 -80.0 70. 0.867 -80.7 70. 0.867 -80.7 70.	36 POD  R V 3492.205 1.99' D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 30.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 3 37.9 33.1 33.1 33.1 33.1 37.2 34.1 33.9	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27.253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12877 8-9 192.26202 9-10 174.08165 10-11 215.40048 11-12 162.74848 12-13 165.20296 13-14 174.08185 15-16 192.03785 15-16
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.869 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -6.949 -23.098 1826.33430 6 -12.881 -22.302 1869.27486 7 -19.473 -21.001 1958.15660 8 -19.473 -21.001 1958.15660 9 -19.619 -34.043 1880.14494 10 -13.276 -34.310 1801.46725 11 -7.534 -34.547 1763.37024 12 -3.077 -40.114 1774.12163 13 -2.792 -34.741 1757.55313 14 -2.456 -29.292 1771.61166 15 -20.94 -23.554 1819.12691 16 -1.560 -17.230 1906.88387 17 -6.616 -16.601 1916.8787 18 -12.762 -15.402 1967.52165 19 -19.663 -13.391 2072.38611	AZS/C AZ -13.1 6. -29.1 5. 4.6 2. -55.4 4. -71.5 5. -49.5 8. -36.1 12. -19.5 1. 1.1 2. 4.6 2. 102.1 1. 106.9 2. -103.4 4. -71.5 7. -60.6 4. -91.4 7. -47.8 17. -47.8 17.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZ 9 -77.5 70.5 5 -79.5 60.3 9 -80.4 68.6 9 -81.4 40.7 4 -81.6 55.7 7 -75.1 80.3 3 -80.4 67.1 7 -75.1 80.3 3 -80.4 68.6 1 -83.2 24.1 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 6 -83.3 37.9 7 -90.7 52.7 7 -90.7 52.7	ALT 1756-7500'  A*  87.71729  80.34316  82.92455  84.08501  88.92452  88.41531  92.21771  89.78814  88.49245  85.20925  82.92455  80.49318  80.28942  42.884760  84.63624  87.46912  88.99482  91.76204  96.27189  103.93810  98.26073	ATLAS PHOTO NO  LAT LON 9 -3.4983 -34.408  8/A AZPHAZ INCC 0.899 -93.2 70. 0.933 -90.2 60. 0.999 -85.6 53. 0.981 -85.2 58. 0.981 -85.2 66. 0.914 -95.7 68. 0.881 -90.2 66. 0.194 -95.7 68. 0.891 -85.2 62. 0.873 -94.8 56. 0.999 -85.6 53. 0.981 -82.2 47. 0.981 -81.6 52. 0.999 -85.6 53. 0.999 -85.6 70.2 54. 0.999 -85.6 70. 0.987 -80.0 64. 0.986 -79.0 70. 0.847 -84.2 71. 0.792 -90.2 72. 0.695 -90.3 75. 0.533 -102.2 79. 0.657 -101.1 71.	36 POD  R  R  3492-205 1-99  D PHAZ EMIS ALPHA 1 38-6 34-3 30-7 1 47-6 21-1 10-8 4 53-2 7-1 -0-1 9 47-8 12-5 10-9 4 47-8 12-5 10-9 2 53-2 40-0 -3-1 6 53-0 18-2 -0-7 6 53-2 7-1 -0-1 5 58-9 11-4 -11-4 8 53-7 2-5 -0-9 3 48-6 10-6 9-8 0 43-1 21-5 20-7 3 37-9 33-1 32-1 1 37-2 33-1 32-1 1 37-2 33-1 33-9 7 36-8 38-9 34-9 4 37-2 47-2 35-1 8 38-2 59-0 35-5 8 38-5 9-0 35-5	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 107.61901 3-4 178.89838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.17877 8-9 192.26202 9-10 174.08165 10-11 215.40048 11-12 162.74848 12-13 165.2029 13-14 174.08165 10-11 215.40320 13-14 159.2029 13-14 159.2029 13-14 159.2029 13-14 159.2029 13-14 159.3020 13-17 189.57024 17-18 217.02255 18-19 278.82521 19-20 251.27160 20-21
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.869 -18.000 1919.04134 2 -13.05 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -0.949 -23.098 1826.334530 6 -12.881 -22.302 1869.27486 7 -19.473 -21.001 1958.15660 8 -19.473 -21.001 1958.15660 9 -19.619 -34.043 1880.14494 10 -13.276 -34.310 1801.46725 11 -7.534 -34.547 1763.37024 12 -3.077 -40.114 1774.12103 13 -2.772 -34.741 1757.5313 14 -2.456 -29.292 1771.61166 15 -20.594 -23.595 1819.12651 16 -1.560 -17.230 1906.88387 17 -6.616 -16.001 1916.87871 18 -12.762 -15.402 1967.52165 19 -19.663 -13.391 2072.38611 20 -28.200 -9.617 2266.02798 21 -27.381 -18.9951 2114.53433 22 -27.077 -26.656 20.38.60075	AZS/( AZ -13.1 629./ 5.46 221.15 536.1 1219.5 1.1 219.5	TAB NO  SEC TO IMPAC  837.042  A 25UN A 25UN  9 -77.5 70.5  5 -79.5 60.3  2 -80.4 68.6  5 -81.4 50.1  9 -82.1 36.8  6 -81.4 57.1  7 -75.1 80.3  3 -80.4 68.6  3 -83.0 2.9  1 -83.6 3.8  2 -81.6 55.7  7 -75.1 80.3  1 -77.3 76.1  3 -80.4 68.6  3 -83.3 358.2  2 -83.4 36.1  5 -82.6 16.5  6 -83.3 37.9  1 -85.4 46.1  7 -90.7 52.7  9 -83.6 61.8  7 -83.6 61.8  7 -83.6 61.8	ALT 1756.7500° A** 87.71729 86.34116 82.92455 84.08501 85.96262 88.41531 92.21771 89.78814 86.49295 80.292455 80.49331 80.28942 82.92455 84.63624 87.46912 88.94982 91.76204 98.26073 98.26073 95.10894	## ATLAS PHOTO NO    LAT	R V 3492.205 1.99' D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 9 47.8 12.5 10.9 9 47.8 12.5 12.9 9 47.8 12.5 12.4 9 47.8 12.5 12.4 9 53.2 7.1 -0.1 9 53.2 30.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 5 58.9 11.4 -11.4 8 53.7 2.5 -0.9 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 7.9 33.1 32.1 1 37.2 34.1 33.9 7 36.8 38.9 34.9 7 36.8 38.9 34.9 7 36.8 38.9 34.9 7 36.8 38.9 34.9 7 36.8 38.9 34.9 7 36.8 38.9 35.1 8 38.2 59.0 35.5 6 33.3 50.1 18.7 7 48.6 44.7 7 48.6 44.7	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12877 8-9 192.26202 9-10 174.08165 10-11 215.40048 11-12 162.74848 12-13 165.2029 13-14 174.0848 12-13 165.2029 13-14 174.08428 14-15 192.03786 15-16 154.33202 16-17 189.57024 17-18 217.02355 18-19 278.82521 19-20 251.27408 20-21 207.88346 21-22
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.869 -18.000 1919.04134  2 -13.055 -28.478 1816.82076  3 -7.554 -34.547 1763.37024  4 -7.250 -28.974 1777.57860  5 -6.944 -23.098 1826.33430  6 -12.881 -22.302 1864.27486  7 -19.473 -21.061 1958.1956  8 -19.475 -27.769 1898.1997  10 -13.276 -34.310 1801.4672  11 -7.534 -34.547 1763.37024  12 -3.077 -40.114 1774.12163  13 -2.792 -34.741 1757.55313  14 -2.456 -29.292 1771.61166  15 -2.054 -37.554 1819.12651  16 -1.560 -17.230 1906.88387  17 -6.616 -16.001 1916.87871  18 -12.702 -15.402 1967.52165  19 -19.663 -13.391 2072.38611  20 -28.200 -9.617 2266.02798  21 -27.381 -18.951 2114.53433  22 -27.077 -26.656 2038.6007  23 -27.078 -33.708 2014.9742	AZS/C AZ -13.1 6. -29.7 5. 4.6 2. -55.4 4. -71.5 7. -49.5 8. -36.1 12. 11. 2. 102.1 1. 106.9 2. 103.4 3. -96.6 4. -77.5 7. -60.6 11. -47.8 17. -38.7 26. -77.9 18. -77.9 18.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZ 9 -77.5 70.5 5 -79.5 60.3 2 -81.4 50.1 5 -81.6 55.7 6 -75.1 80.3 3 -80.4 68.6 5 -81.6 57.1 7 -75.1 80.3 3 -80.4 68.6 5 -81.6 57.1 6 -82.6 27.5 5 -82.6 16.5 5 -82.6 16.5 5 -82.6 16.5 6 -83.2 24.1 7 -90.7 52.7 7 -90.7 52.7 7 -90.7 52.7 9 -83.6 61.8 1 -85.4 46.1 7 -90.7 52.7 9 -83.6 61.8 1 -85.4 46.1 7 -90.7 52.7 9 -83.6 61.8 1 -85.6 61.8 1 -85.6 61.8 2 -74.1 83.4	ALT 1756-7500'  A*  87.71729  80.34916  82.92455  84.08501  89.96262  88.41531  99.21719  92.21719  82.292455  84.92455  84.92455  84.63624  84.63624  84.63624  91.76262  91.76263  93.51538	ATLAS PHOTO NO  LAT LON 9 -3.983 -34.408  B/A AZPHAZ INC. 0.899 -93.2 70 0.933 -90.2 60. 0.999 -85.6 53. 0.981 -85.2 58. 0.981 -85.2 62. 0.881 -90.2 66. 0.194 -95.7 68. 0.194 -95.7 68. 0.194 -95.7 68. 0.194 -95.7 68. 0.194 -95.0 62. 0.873 -44.8 56. 0.999 -85.6 53. 0.987 -87.0 70. 0.864 -87.2 47. 0.981 -81.6 52. 0.999 -80.0 64. 0.999 -80.0 64. 0.866 -79.0 70. 0.864 -86.2 71. 0.792 -90.2 72. 0.695 -96.3 75. 0.533 -102.2 79. 0.557 -101.1 71. 0.724 -100.1 64. 0.749 -93.3 75.	36 POD  R  R  3492.205 1.999  D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 22.1 2 44.9 32.1 8.9 2 53.2 7.1 -0.1 5 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 7.9 33.1 32.1 1 3 7.2 34.1 33.9 7 36.8 38.9 34.9 4 37.2 47.2 35.1 8 38.2 59.0 35.5 5 43.3 50.1 18.7 7 48.6 44.7 7 48.6 44.7 7 48.6 44.7 7 45.3 53.8 62.9 -6.3	SEQUENCE NO 78  PTH AZ  1 -73.727 116.855  SCALE PT-P1 0. 0-1 311.95226 1-2 246.27253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12817 8-9 192.26202 9-10 174.08165 10-11 215.40048 11-12 162.74848 12-13 165.2090 13-14 174.08165 10-11 215.40048 11-12 162.74848 12-13 165.2090 13-14 174.08128 14-15 192.03786 15-16 154.33202 16-17 189.57024 17-18 278.82521 19-20 278.82521 19-20 271.27408 20-21 207.68346 21-22 190.13806 22-23
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TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.869 -18.000 1919.04134  2 -13.055 -28.478 1816.82076  3 -7.554 -34.547 1763.37024  4 -7.250 -28.974 1777.57860  5 -6.944 -23.098 1826.33450  6 -12.881 -22.302 1869.27486  7 -19.473 -21.061 1958.15660  8 -19.475 -27.769 1898.15976  9 -19.619 -34.033 1880.14494  10 -13.276 -34.310 1801.4672  11 -7.534 -34.547 1763.37024  12 -3.077 -40.114 1774.12163  13 -2.792 -34.741 1775.5513  14 -2.456 -29.292 1771.61166  15 -2.054 -37.554 1819.12691  16 -1.560 -17.230 1906.88387  17 -6.616 -16.001 1916.87871  18 -12.762 -15.402 1967.52165  19 -19.663 -13.391 2072.38611  20 -28.200 -9.617 2266.02798  21 -27.381 -18.951 2114.53433  22 -27.077 -26.656 238.60073  23 -27.098 -33.708 2014.97421  24 -27.399 -40.631 23036.58528  5 -19.892 -40.631 23036.58528  5 -19.892 -40.631 23036.58528	AZS/C AZ -13.1 629.7 5. 4.6 255.4 471.5 836.1 1219.5 7. 1.1 2. 1.06.9 2. 103.4 396.6 477.5 750.6 1147.8 1738.7 2627.9 1814.4 1148.8 3. 15.9 -5.	TAB NO  SEC TO IMPAC 837-042  N AZSUN AZ 9 -77.5 70.5 5 -79.5 60.3 2 -81.4 50.1 9 -82.1 36.8 5 -81.4 40.7 6 -78.4 67.1 7 -78.4 67.1 7 -78.1 80.3 3 -80.4 68.6 3 -83.0 2.9 3 -83.3 58.2 2 -83.4 36.1 0 -83.2 24.1 0 -83.2 24.1 0 -82.6 27.5 1 -82.6 27.5 1 -82.6 27.5 1 -82.6 27.5 1 -82.6 27.5 1 -82.6 27.5 2 -83.4 36.1 0 -83.3 58.2 0 -83.3 58.2 0 -83.3 58.2 0 -83.3 58.2 0 -83.3 61.6 0 -83.3 61.6 0 -82.6 27.5 0 -83.3 61.6 0 -83.3 61.6 0 -83.2 24.1 0 -83.3 61.6 0 -83.3 34.6	ALT 1756-7500'  A*  87.71729  80.34316  82.92455  84.08501  85.96262  88.41531  89.78814  88.49245  82.292455  80.4931  80.28042  42.84760  84.63624  87.4691  90.27189  103.93810  90.26073  95.10894  93.51538  93.18015  88.15514	ATLAS PHOTO NO  1	36 POD  R V 3492.205 1.999  D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 2 42.2 28.7 22.2 2 42.2 28.7 22.5 2 42.5 38.1 21.4 D 47.9 32.1 8.9 2 53.2 7.1 -0.1 5 53.0 18.2 -0.7 4 53.2 7.1 -0.1 5 58.9 11.4 -11.4 8 53.7 2.5 -0.9 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 48.4 10.6 9.8 0 43.1 21.5 20.7 3 7.9 33.1 32.1 1 37.2 34.1 33.9 7 36.8 38.9 34.9 4 37.2 47.2 35.1 8 38.2 59.0 35.5 5 43.3 50.1 18.7 7 45.8 44.7 4.7 8 38.6 44.7 4.7 8 38.6 44.7 4.7 8 58.6 44.7 9.8 1 59.0 44.6 -20.9 8 58.5 32.3 -14.9	PTH AZ  7-73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 107.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.54028 7-8 179.12877 8-9 192.26202 9-10 174.08165 10-11 215.4028 11-12 102.74868 11-12 102.74868 11-12 102.74868 11-12 102.07887 15-16 154.3202 16-17 189.57024 17-18 217.02255 18-19 218.25221 19-20 251.27408 20-21 207.68346 21-22 190.1389 22-23 186.61375 23-24 227.6689 24-25
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.869 -18.000 1919.04134 2 -13.05 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -6.949 -23.098 1826.33430 6 -12.881 -22.302 1869.27486 7 -19.473 -21.001 1958.15660 8 -13.475 -27.169 1878.15976 9 -19.619 -34.043 1880.14494 10 -13.276 -34.310 1801.4672 11 -7.534 -34.547 1763.37024 12 -3.077 -40.114 1774.12103 13 -2.702 -34.741 1757.575313 14 -2.456 -29.292 1771.61166 15 -20.594 -23.554 1819.12651 16 -1.560 -17.230 1906.88387 17 -6.616 -16.00 1916.87871 18 -12.762 -15.402 1967.52165 19 -19.663 -13.391 2072.38611 20 -28.200 -9.617 2266.02798 21 -27.381 -18.951 2114.53433 22 -27.077 -26.656 20.38.60075 23 -27.098 -33.708 2014.97421 24 -27.399 -40.631 2036.55528	AZS/C AZ -13.1 629.7 5. 4.6 255.4 471.5 536.1 1219.5 1. 1.1 2. 4.6 2. 102.1 1. 166.9 2103.4 594.6 494.6 494.6 494.7 77.5 760.6 1147.8 1747.8 1747.8 1747.8 1747.8 1747.8 1747.8 1747.8 1750.6 1147.8 1750.6 1147.8 1750.6 1147.8 1750.6 1147.8 1750.6 1147.8 1750.6 1150.6 1160.8 377.5 778.7 2677.9 1814.4 1188.7 2677.9 1814.4 1188.7 2677.9 1814.4 1188.7 2677.9 1814.5 9.	TAB NO  SEC TO IMPAC 837.042  N AZSUN AZSU	ALT 1756.7500'  87.71729 86.34116 82.92455 84.08501 85.96262 884.41531 92.21771 89.78814 88.49245 85.20925 82.92455 80.49342 82.84760 84.63624 87.46912 98.26073 98.26073 95.10894 93.51538	ATLAS PHOTO NO  1	36 POD  R V 3492.205 1.999  D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 2 42.2 28.7 22.2 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 30.0 -3.1 5 53.0 18.2 -0.7 4 53.2 7.1 -0.1 5 58.9 11.4 -11.4 8 53.7 2.5 -0.9 3 48.4 10.6 9.8 8 53.1 21.4 -11.4 8 53.7 2.5 -0.9 3 48.4 10.6 9.8 8 53.1 21.5 20.7 3 37.9 33.1 32.1 1 37.2 34.1 33.9 7 36.8 38.9 34.9 4 37.2 47.2 35.1 8 36.2 59.0 35.5 5 43.3 50.1 18.7 7 85.8 42.7 4.7 8 38.8 42.7 4.7 8 58.8 42.7 -8.3 1 59.0 44.6 -20.9 8 58.5 32.3 -14.9 2 58.4 21.6 -11.9 2 58.4 21.6 -11.9	PTH AZ  7-73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.94028 7-8 179.12877 8-9 192.26202 9-10 174.08165 10-11 215.4028 11-12 162.74848 12-13 165.20296 13-14 174.08428 11-12 162.74848 12-13 165.20296 13-14 174.08428 18-15 192.03788 51-16 154.33202 16-17 189.57024 17-18 217.02255 18-19 218.82521 19-20 251.27408 20-21 207.88346 21-22 3186.61375 23-24 227.6809 24-25 192.29833 25-26 173.76901 26-73
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.864 -18.000 1919.04134 2 -13.055 -28.478 1816.82076 3 -7.534 -34.547 1763.37024 4 -7.250 -28.974 1777.57860 5 -6.944 -23.098 1826.33430 6 -12.881 -22.302 1869.27486 7 -19.473 -21.001 1958.15660 8 -13.475 -27.169 1898.15976 9 -19.619 -34.043 1880.14694 10 -13.276 -34.310 1801.46725 11 -7.534 -34.547 1763.37024 12 -3.077 -40.114 1774.12163 13 -2.772 -34.774 1757.575313 14 -2.456 -29.292 1771.61166 15 -20.954 -23.554 1819.12651 16 -1.560 -17.230 1906.88387 17 -6.616 -16.601 1916.87871 18 -12.762 -15.402 1967.52165 19 -19.663 -13.391 2072.38611 20 -28.200 -9.617 2266.02798 21 -27.381 -18.951 2114.57433 22 -27.077 -26.656 20.58.60075 23 -27.098 -33.708 2014.97421 24 -27.399 -40.631 2036.55528 25 -19.892 -40.220 1899.70743 26 -13.554 -40.209 1889.7074	AZS/C AZ -13.1 629.1 5. 4.6 255.4 471.5 536.1 1219.5 1. 1.1 2. 4.6 2. 102.1 1. 166.9 2103.4 394.6 494.6 477.5 760.6 1147.8 1738.7 2627.9 18. 15.9 -5. 21.5 -2. 21.5 -2. 21.5 -2.	TAB NO  SEC TO IMPAC 837-042  N AZSUN AZ 9 -77.5 70.5 5 -79.5 60.3 2 -81.4 50.1 6 -82.1 36.8 5 -81.4 47.7 6 -78.4 67.1 8 -83.3 58.2 2 -83.4 36.1 0 -83.3 58.2 2 -83.4 36.1 0 -83.2 24.1 0 -83.2 24.1 0 -83.2 24.1 0 -83.3 58.2 0 -83.4 36.1 0 -83.6 2.9 1 -85.4 46.1 0 -83.6 2.9 1 -85.4 46.1 0 -83.6 61.8 1 -83.6 61.8 1 -83.6 61.8 1 -83.6 61.8 1 -83.6 61.8 1 -83.6 61.8 1 -83.6 61.8 1 -74.7 4.7 1 -83.4 46.1	ALT 1756.75UU'  87.71729 86.34116 82.92455 84.08501 85.96262 88.41531 92.21771 85.78814 88.49295 82.92455 82.92455 82.92456 87.46912 88.49482 91.76204 88.49482 91.76204 96.27189 103.93810 98.26073 95.10894 93.18015 88.15514 84.88367	ATLAS PHOTO NO  1	36 POD  R V 3492.205 1.99' D PHAZ EMIS ALPHA 1 38.6 34.3 30.7 1 47.6 21.1 10.8 4 53.2 7.1 -0.1 9 47.8 12.5 10.9 7 42.4 22.7 22.2 1 42.2 28.7 22.5 2 42.5 38.1 21.4 0 47.9 32.1 8.9 2 53.2 70.0 -3.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 4 53.2 7.1 -0.1 6 53.0 18.2 -0.7 3 37.9 33.1 32.1 3 37.9 34.1 33.9 7 36.8 38.9 34.9 4 37.2 47.2 35.1 8 38.2 59.0 35.5 7 48.6 44.7 8 53.8 42.9 -8.3 1 59.0 44.6 -20.9 8 58.5 32.3 -14.9 8 58.5 32.3 -14.9	PTH AZ  7-73.727 116.855  SCALE PT-PT 0. 0-1 311.95226 1-2 246.27253 2-3 167.61901 3-4 176.83838 4-5 181.25826 5-6 202.88862 6-7 191.94028 7-8 179.12877 8-9 192.26202 9-10 174.08165 10-11 215.4028 11-12 162.74848 12-13 165.20296 13-14 174.08428 11-12 162.74848 12-13 165.20296 13-14 174.08428 18-15 192.03788 51-16 154.33202 16-17 189.57024 17-18 217.02255 18-19 218.82521 19-20 251.27408 20-21 207.88346 21-22 3186.61375 23-24 227.6809 24-25 192.29833 25-26 173.76901 26-73

	RA-VII CAME	KA FA			19
JULY 31,1964 13 HR 11 MIN 56 SEC 877 MS	TAB NO	37	ATLAS PHOTO NO	37 POE	SEQUENCE NO 80
TRAJECTURY DATA	SEC TO IMPACT 831.922		LAT LON	R V	PTH AZ
PHOTO DATA		1746.92093 -	-4.004 -34.366	3482.376 2.0	01 -73.695 116.849
PT LAT LON RANGE AZS/C AZI 1 -11.860 -18.019 1908.45490 -13.2 6-		A* B/	A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
1 -11.860 -18.019 1908.45490 -13.2 6. 2 -13.053 -28.420 1807.02226 -29.8 5.		87.24209 0.8		38.6 34.3 30.0	
3 -7.561 -34.458 1753.57506 3.9 2.		85.87750 U.9 82.46894 U.9		47.6 21.1 10.4	
4 -7.278 -28.915 1767.92310 -55.5 4.		83.62820 0.9		53.2 7.1 0.0 47.8 12.6 11.0	
5 -6.978 -23.069 1816.55876 -71.4 5.	9 -82.1 36.8	85.50226 0.9		42.4 22.7 22.2	
6 -12.880 -22.276 1859.34674 -49.5 8. 7 -19.435 -21.041 1947.71010 -36.1 12.		87.94571 0.8	881 -90.2 66.1	42.2 28.8 22.6	5 180.30913 5- 6
7 -19.435 +21.041 1947.71010 -36.1 12. 8 -19.437 -27.713 1887.88222 -19.6 7.		91.72581 0.7		42.5 38.1 21.5	5 201.78757 6- 7
9 -19.578 -33.952 1869.70604 0.9 2.		89.30189 0.8 88.00139 0.8		47.9 32.1 9.0 53.2 30.0 -3.0	
10 -13.272 -34.221 1791.51910 1.5 2.		84.73870 0.9		53.2 30.0 -3.0 53.0 18.2 -0.0	
11 -7.561 -34.458 1753.57506 3.9 2.		82.46894 0.9	999 -85.6 53.5	53.2 7.1 0.0	173.12958 10-11
12 -3.130 -39.994 1763.84982 101.9 1. 13 -2.845 -34.652 1747.67133 168.7 2.		79.99101 0.9		58.9 11.3 -11.2	2 214.15673 11-12
13 -2.845 -34.652 1747.67133 168.7 2. 14 -2.510 -29.233 1761.86198 -103.0 3.		79.83336 0.9 82.39142 0.9		53.7 2.4 -0.8	
15 -2.110 -23.525 1809.25153 -96.4 4.0		84.17626 0.9		48.4 10.6 9.9 43.1 21.5 20.1	
16 -1.618 -17.234 1896.57265 -94.3 4.0	-82.5 16.6	86.99528 0.8		37.9 33.0 32.1	
17 -6.648 -16.606 1906.66937 -77.5 7. 18 -12.761 -15.411 1957.11790 -60.6 11.		88.47564 0.8	347 -84.2 71.1	37.1 34.1 33.9	
18 -12.761 -15.411 1957.11790 -60.6 11.19 -19.624 -13.413 2061.33075 -47.8 17.		91.27679 0.7		36.8 38.9 34.9	
20 -28.106 -9.678 2253.34647 -38.7 26.		95.75857 0.6 103.35681 0.5		37.2 47.1 35.1 38.2 58.9 35.4	
21 -27.295 -18.948 2102.92657 -27.9 18.1		97.72127 0.6		38.2 58.9 35.4 43.3 50.0 18.8	
22 -26.991 -26.000 2021.29300 -14.5 11.	70.7 71.7	94.59105 0.7	24 -100.1 64.8	48.6 44.7 4.8	
23 -27.010 -33.613 2003.49815 0.7 3.1 24 -27.304 -40.488 2024.49130 15.8 -4.1		92.98214 C.7		53.8 42.8 -8.2	189-10608 22-23
24 -27.304 -40.488 2024.49130 15.8 -4.1 25 -19.848 -40.091 1888.77753 21.3 -2.		92.62605 0.7		59.0 44.4 -20.1	185.47075 23-24
26 -13.539 -39.936 1809.43275 32.0 -0.		87.64761 ().8 84.39952 ().9		58.5 32.2 -14.7	226.10894 24-25
27 -7.834 -39.921 1770.54547 57.8 0.4		82.26056 0.9		58.4 21.6 -11.7 58.5 13.3 ~10.8	191.15696 25-26
28 -3.130 -39.994 1763.84982 101.9 1.3	-83.0 2.0	79.99101 0.9		58.9 11.3 -11.2	142.50399 27-28
	TAB NO	38 A	ATLAS PHOTO NO	38 POD	SEQUENCE NO 82
JULY 31,1964 13 HR 12 MIN 1 SEC 997 MS					(
TRAJECTURY DATA	SEC TO IMPACT 826.802		LAT LON 4.026 -34.324	R V	PTH AZ 03 -73.663 116.844
PHOTO DATA PY LAT LON RANGE AZSZC AZE					
PT LAT LON RANGE AZS/C AZN 1 -11.851 -18.037 1897.85822 -13.4 6.4		A* B/	A AZPHAZ INCD		
2 -13.050 -28.364 1797.20296 -29.9 5.6		86.76615 0.8 85.41084 0.9		38.6 34.3 30.6 47.6 21.2 10.9	
3 -7.588 -34.371 1743.77412 3.1 2.4		82.01326 0.9		47.6 21.2 10.9 53.2 7.1 0.1	
4 -7.307 -28.858 1758.24858 -55.5 4.2	-81.4 49.9	83.17050 0.9		47.8 12.6 11.0	
5 -7.008 -23.042 1806.74985 -71.3 5.9 6 -12.878 -22.252 1849.38211 -49.6 8.6		85.04035 0.9		42.4 22.8 22.2	175.00242 4- 5
6 -12.878 -22.252 1849.38211 -49.6 8.6 7 -19.398 -21.023 1937.22266 -36.2 12.3		87.47438 0.8 91.23197 0.7		42.2 28.8 22.6	
8 -19.398 -27.659 1877.58197 -19.8 7.6		88.81459 0.8		42.5 38.1 21.5 47.9 32.1 9.0	
9 -19.538 -33.863 1859.26079 0.8 2.8		87.50955 0.8		53.2 30.0 -2.9	189.56727 7-8 177.21275 8-9
10 -13.267 -34.134 1781.56432 1.2 2.5		84.26783 0.9	54 -90.2 54.7	53.0 18.2 -0.5	190.08510 9-10
		82.01326 0.9		53.2 7.1 0.1	172-17649 10-11
12 -3.183 -39.875 1753.58757 101.8 1.3 13 -2.899 -34.565 1737.78510 170.4 2.3		79.49102 0.9 79.37747 0.9		58.9 11.2 -11.1	
14 -2.565 -29.175 1752.09496 -102.6 3.3		81.93444 0.9		53.7 2.3 -0.7 48.4 10.6 9.9	
15 -2.167 -23.497 1799.34526 -96.3 4.0		83.71486 0.9		43.1 21.5 20.8	
16 -1.677 -17.241 1886.21262 -94.2 4.6		86.51926 0.8	67 -79.0 70.3	37.9 33.0 32.1	
17 -6.679 -16.613 1896.40825 -77.4 7.5 18 -12.760 -15.423 1946.65712 -60.5 11.5		87.99909 0.8	47 -84.2 71.1	37.1 34.1 33.9	152.69069 16-17
18 -12.760 -15.423 1946.65712 -60.5 11.5 19 -19.585 -13.439 2050.20926 -47.8 17.0		90.78890 0.79		36.8 38.9 34.9	
20 -28.011 -9.743 2240.58328 -38.7 26.4		102.77175 0.5		37.2 47.1 35.0 38.2 58.8 35.3	
21 -27.208 -18.947 2091.27151 -28.0 18.8	-83.7 61.6	97.17962 0.6	58 -101.1 71.5	43.3 49.9 18.8	
22 -26.906 -26.558 2015.96255 -14.6 11.1 23 -26.922 -33.522 1992.01918 0.6 3.3		94.05206 0.7	25 -100.1 64.8	48.6 44.6 4.8	
23 -26.922 -33.522 1992.01918 0.6 3.3 24 -27.209 -40.349 2012.41820 15.7 -4.7		92.44882 0.7		53.8 42.7 -8.0	
25 -19.804 -39.964 1877.85913 21.1 -2.2		92.07296 0.7- 87.14064 U.8		59.0 44.3 -20.5 58.5 32.1 -14.6	
26 -13.532 -39.815 1799.06218 31.8 -0.1	-74.8 3.3	83.91578 0.9		58.4 21.5 -11.6	
27 -7.860 -39.803 1760.35756 57.4 U.4	-78.9 2.8	81.78737 0.9	95 -85.9 48.3	58.5 13.2 -10.7	171-80027 26-27
28 -3.183 -39.875 1753.58757 101.8 1.3	-82.9 1.2	79.49102 0.9	86 -82.2 47.7	58.9 11.2 -11.1	141.68430 27-28

		RA-VII	CAMERA	FA						20
JULY 31,1964 13 HR 12 MIN 7 SEC	17 MS	1	AB NO	39	ATLA	S PHOTO	NO	39	POD S	EQUENCE NO 84
TRAJECTURY DATA		SEC TO 821.		ALT 1727.23822	LAT			R 3462.694	v 2.005	PTH AZ -73.631 116.838
PHOTO DATA				_						SCALE PT-PT
PT LAT LON RANGE AZS			AZA 69.9	A* 86.28956				PHAZ EMIS 38.6 34.2		SCALE PT-PT 0. 0-1
1 -11.841 -18.056 1887.25124 -13 2 -13.047 -28.310 1787.36720 -30			59.9	84.94340				47.6 21.2	10.9	305.44906 1- 2
3 -7.615 -34.286 1733.96698 2		-80.3	67.7	81.55745				53.2 7.1	0.2	242.39818 2- 3
4 -7.335 -28.802 1748.55923 -55	5 4.2	-81.4	49.9	82.71209				47.8 12.7	11.1	164.90485 3- 4
5 -7.038 -23.017 1796.91689 -71			36.9	84.57732		-84.7		42.4 22.8	22.2	174.07714 4- 5 178.39999. 5- 6
6 -12.876 -22.229 1839.39107 -49 7 -19.360 -21.007 1926.70586 -36			47.6 55.5	87.00180 90.73674				42.2 28.8 42.5 38.0	21.5	199.57126 6- 7
7 -19.360 -21.007 1926.70586 -36 8 -19.360 -27.607 1867.26404 -19			66.7	88.32644				47.9 32.1	9.1	188.57087 7- 8
	6 2.8		79.7	87:01740		-94.8	56.5	53.2 49.9	-2.8	116.25144 8- 9
10 -13.263 -34.048 1771.60248 1	0 2.5	-77.5	75.3	83.79662				53.0 18.2	-0.4	188.99583 9-10
	.5 2.4		67.7	81.55745 78.99268			53.7	53.2 7.1 58.9 11.0	0.2	171.22271 10-11 211.67397 11-12
12 -3.236 -39.758 1743.33009 101 13 -2.952 -34.479 1727.89413 172			0.3 57.4	78.92168			53.1		-0.6	159.87665 12-13
13 -2.952 -34.479 1727.89413 172 14 -2.619 -29.119 1742.31465 =102			36.3	81.47684				48.4 10.7	10.0	162.49300 13-14
15 -2.223 -23.471 1789.41689 -96	.1 4.1		24.5	83.25246		-80.0		43.1 21.6		171.32200 14-15
16 -1.736 -17.249 1875.81984 -94	.1 4.6		16.9	86.04178				37.9 33.0		188.93765 15-16
17 -6.710 -16.621 1886.11186 -77			27.7	87-52093				37.2 34.1	33.9 34.9	151.86522 16-17 186.59201 17-18
18 -12.759 -15.437 1936.15730 -60			37.9 46.1	90.29918				36.8 38.9 37.2 47.1		213.39787 18-19
19 -19.546 -13.467 2039.04346 -47 20 -27.917 -9.809 2227.76953 -38			52.6	102-18435				38.2 58.7		273.01968 19-20
21 -27.121 -18.948 2079.58441 -28			61.5	96.63647	0.659	-101.1		43.3 49.9		246.59946 20-21
22 -26.820 -26.511 2004.61404 -14			71.7	93.52228				48.6 44.5	4.9	204.34106 21-22
	.4 3.4		82.8	91.91536				53.8 42.7		187.03288 22-23 183.19771 23-24
24 -27.115 -40.211 2000.35818 15			4.7 3.7	91.52052 86.63394		-98.7 -94.4	51.1	59.0 44.2	-14.4	223.02510 24-25
25 -19.760 -39.839 1866.94617 20 26 -13.525 -39.695 1788.69492 31			2.9	83,43219				58.4 21.4		188.87968 25-26
27 -7.886 -39.685 1750.17311 57			2.3	81.31432		-85.9	48.5	58.5 13.2	-10.5	170.81673 26-27
28 -3.236 -39.758 1743.33009 101		-82.9	0.3	78.99268	0.986	-82.2	47.9	58.9 11.0	-11.0	140.86503 27-28
				••	431	AS PHOTO	NO	40	DOD 9	SEQUENCE NO 86
JULY 31,1964 13 HR 12 MIN 12 SEC	237 MS		TAB NO	40	AIL	45 PHUIU	NU	40	rob .	SEQUENCE NO US
TRAJECTORY DATA		SEC TO	IMPACT	ALT	LAT			R	٧	PTH AZ
TRAJECTURY DATA		SEC 10 816.		ALT 1717.38434		r LC 369 <b>-34</b> .				PTH AZ -73.598 116.833
PHOTO DATA		816.	562	1717.3843	-4.0	)69 <b>-34</b> .	238	3452.84	0 2.007	-73.598 116.833
PHOTO DATA PT LAT LON RANGE AZS	/Ç AZI	816. AZSUN	562 AZA	1717.38434 A+	6 -4.0 B/A	369 -34. AZPHAZ	238 INCD	3452.84 PHAZ EMIS	0 2.007 ALPHA	-73.598 116.833 SCALE PT-PT
PHOTO DATA PT LAT LON RANGE AZS 1 -11.832 -18.074 1876.63367 -13	.7 6.9	816. AZSUN -77.7	562 AZA 69.8	1717.38434 A* 85.81249	B/A 0.898	AZPHAZ -93.2	238 INCD 70.1	3452.84 PHAZ EMIS 38.7 34.2	0 2.007 ALPHA 30.5	-73.598 116.833 SCALE PT-PT 0. 0-1 303.32513 1-2
PHOTO DATA PT LAT LON RANGE AZS 1 -11.832 -18.074 1876.63367 -13 2 -13.044 -28.225 1777.52124 -30	.7 6.9 .2 5.6	816. I AZSUN I -77.7 I -79.6	562 AZA 69.8 59.8	1717.38434 A+	B/A 0.898 0.932	369 -34. AZPHAZ	1NCD 70.1 60.3	3452.84 PHAZ EMIS	0 2.007 ALPHA 30.5 11.0	-73.598 116.833 SCALE PT-PT 0. 0-1 303.32513 1-2 241.10142 2-3
PHOTO DATA PT LAT LON RANGE AZS 1 -11.832 -18.074 1876.63367 -13 2 -13.044 -28.255 1777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55	.7 6.9 .2 5.6 .8 2.4	816. AZSUN -77.7 -79.6 -80.3 -81.4	AZA 69.8 59.8 67.4 49.8	A* 85.81249 84.47548 81.10145 82.25325	8/A 0.898 0.932 0.999 0.980	AZPHAZ -93.2 -90.2 -85.6 -85.2	INCD 70.1 60.3 53.8 59.2	3452.84 PHAZ EMIS 38.7 34.2 47.6 21.2 53.2 7.2 47.8 12.7	0 2.007 ALPHA 30.5 11.0 0.3	-73.598 116.833 SCALE PT-PT 0. 0-1 303.32513 1-2 241.10142 2-3 163.99773 3-4
PHOTO DATA PT LAT LON RANGE AZS 1 -11.832 -18.074 1876.63367 -13 2 -13.044 -28.255 1777.52124 -33 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1787.07323 -73	.7 6.9 .2 5.6 .8 2.4 .5 4.2	816. AZSUN -77.7 -79.6 -80.3 -81.4 -82.1	AZA 69.8 59.8 67.4 49.8 36.9	A* 85.81249 84.47548 81.10145 82.25325 84.11379	B/A 0.898 0.932 0.999 0.980 0.930	AZPHAL -93.2 -90.2 -85.6 -85.2 -84.7	1NCD 70.1 60.3 53.8 59.2 64.8	3452.84 PHAZ EMIS 38.7 34.2 47.6 21.2 53.2 7.2 47.8 12.7 42.4 22.8	0 2.007 ALPHA 30.5 11.0 0.3 11.1 22.3	-73.598 116.833 SCALE PT-PT 0. 0-1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5
PHOTO DATA PT LAT LON RANGE A25 1 -11.832 -18.074 1876.63367 -13 2 -13.044 -28.255 1777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.163 -28.746 1738.86073 -55 5 -7.068 -22.991 187.07323 -71 6 -12.875 -22.207 1829.38802	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .2 5.9	816. AZSUN -77.7 -79.6 -80.3 -81.4 -82.1 -81.4	AZA 69.8 59.8 67.4 49.8 36.9 47.6	A+ 85.81249 84.47548 81.10145 82.25325 84.11379 86.52865	B/A 0.898 0.932 0.999 0.980 0.930 0.880	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2	1NCD 70.1 60.3 53.8 59.2 64.8 66.2	3452.84 PHAZ EMIS 38.7 34.2 47.6 21.2 53.2 7.2 47.8 12.7 42.4 22.8 42.2 28.8	0 2.007 ALPHA 30.5 11.0 0-3 11.1 22.3 22.6	-73.598 116.833 SCALE PT-PT 0. 0-1 303.32513 1-2 241.10142 2-3 163.99773 3-4
PHOTO DATA PT LAT 1-11.832 -18.074 1876.63367 -13 2-13.044 -28.255 1777.52124 -33 3-7.642 -34.200 1724.15295 1 4-7.363 -28.746 1738.86073 -55 5-7.068 -22.991 1787.07323 -71 6-12.875 -22.207 1829.3880 -45 7-19.322 -20.992 1916.17651 -38	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .2 5.9 .6 8.6	816. AZSUN -77.7 -79.6 -80.3 -81.4 -82.1 -81.4 -81.7	AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4	A* 85.81249 84.47548 81.10145 82.25325 84.11379	8/A 0.898 0.932 0.999 0.980 0.930 0.880 0.795	AZPHAL -93.2 -90.2 -85.6 -85.2 -84.7	1NCD 70.1 60.3 53.8 59.2 64.8 66.2 68.2	3452.84 PHAZ EMIS 38.7 34.2 47.6 21.2 53.2 7.2 47.8 12.7 42.4 22.8 42.2 28.8	0 2.007 ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5	-73.598 116.833 SCALE PT-PT 0. 0-1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8
PHOTO DATA PT LAT LON RANGE AZS 1 -11.832 -18.074 1876.63367 -13 2 -13.044 -28.255 1777.52124 -36 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.971 1787.07323 -71 6 -12.875 -22.207 1829.38802 -44 7 -19.322 -20.992 1916.17651 -38 8 -19.321 -27.554 1856.93550 -36	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .2 5.9 .6 8.6	816. 1 AZSUN 1 -77.7 -79.6 -80.3 -81.4 -81.7 -81.7 -78.5	AZA 69.8 59.8 67.4 49.8 36.9 47.6	A+  85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093	8/A 0.898 0.932 0.999 0.980 0.930 0.880 0.795 0.851	AZPHAL -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7	INCD 70.1 60.3 53.8 59.2 64.8 66.2 68.2 62.1	3452.84  PHAZ EMIS 38.7 34.2  47.6 21.2  47.8 12.7  42.4 22.8  42.2 28.8  42.5 38.0  47.9 32.2  53.2 29.5	0 2.007 ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 -2.7	-73,598 116.833 SCALE PT-PT 0-1 303,32513 1-2 241,10142 2-3 163,99773 3-4 173,15060 4-5 177,44280 5-6 198,46002 6-7 187,57293 7-8 175,28931 8-9
PHOTO DATA PT LAT LON RANGE AZS 1 -11.832 -18.074 1876.63367 -13 2 -13.044 -28.255 1777.52124 -33 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1787.07323 -71 6 -12.875 -22.207 1829.38802 -45 7 -19.322 -20.992 1916.17651 -38 8 -19.321 -27.554 1856.93550 -20 9 -19.456 -33.688 1838.34875 0 10 -13.258 -33.962 1761.63278	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .2 5.9 .6 8.6 .3 12.3 .0 7.6 .4 2.1	816. AZSUN -77.7 -79.6 -80.3 -81.4 -82.1 -81.4 -81.7 -78.5 -75.4 -77.5	562 AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1	A*  85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 86.52489	B/A 0.898 0.932 0.999 0.980 0.980 0.850 0.795 0.851 0.875	AZPHAZ -93.2 -90.2 -85.6 -85.6 -85.7 -90.2 -95.7 -95.2 -94.8 -90.2	1NCD 70.1 60.3 53.8 59.2 64.8 66.2 68.2 62.1 56.5	3452.84  PHAZ EMIS 38.7 34.2  47.6 21.2 53.2 7.2 47.8 12.7 42.4 22.8 42.2 28.6 42.9 32.1 53.2 29.5 53.0 18.2	0 2.007 ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 -2.7 -0.3	-73.598 116.833 SCALE PT-PT 0. 0. 1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 2-6 198.4600 2-7 187.57293 7-8 175.28931 8-9 187.528931 8-9 187.90612 9-10
PHOTO DATA PT LAT LON RANGE AZS 1 -11.33 -18.074 1876.63367 -13 2 -13.044 -28.255 17777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1887.07323 -71 6 -12.875 -22.901 1887.07323 -71 6 -12.875 -22.901 1885.93550 -20 9 -19.456 -33.688 1838.34875 10 -13.258 -33.962 1761.63278 (1 -7.642 -34.200 1724.15295 (1 -7.642 -34.200	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .2 5.9 .6 8.6 .3 12.3 .0 7.6 .4 2.1	816. 1 AZSUN 1 -77.7 -79.6 -80.3 -81.4 -81.4 -81.7 -78.5 -75.4 -77.5 -80.3	AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1	85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.2493 87.83780 86.52489 83.32505 81.10145	B/A 0.898 0.932 0.999 0.980 0.930 0.880 0.795 0.875 0.875 0.999	AZPHAL -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.2 -95.6	1NCD 70.1 60.3 53.8 59.2 64.8 66.2 68.2 62.1 56.5 54.9	3452.84  PHAZ EMIS 38.7 34.2 47.6 21.2 53.2 7.2 42.4 22.8 42.2 28.6 42.9 38.0 47.9 32.1 53.2 29.5 53.0 18.2	0 2.007 ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 1 -2.7 -0.3	-73.598 116.833 SCALE PT-PT 00.1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26810 10-11
PHOTO DATA PT LAT 1-11.832 - 18.074 1876.63367 -13 2-13.044 -28.255 1777.52124 -33 3-7.642 -34.200 1724.15295 1 4-7.363 -28.746 1738.86073 -55 5-7.068 -22.991 1787.07323 -71 6-12.875 -22.207 1829.3880 -45 7-19.322 -20.992 1916.17651 -38 8-19.321 -27.554 1856.93550 -20 9-14.556 -33.688 1838.34875 (0) 10-13.258 -33.962 1761.63278 (1) 11-7.642 -34.200 1724.15295 1 11-7.642 -34.200 1724.15295 1	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .6 8.6 .3 12.3 .0 7.6 .4 2.1 .7 2.5 .8 2.4	816. I AZSUN -77.7 -79.6 -80.3 -81.4 -82.1 -81.4 -81.7 -78.5 -77.5 -78.5 -77.5 -80.3 -80.3	AZA 69.8 69.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1 89.5	85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 83.32505 81.10145 78.49507	8/A 0.898 0.993 0.999 0.980 0.880 0.795 0.851 0.875 0.975 0.975	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.2 -94.8 -90.2 -95.2 -94.8 -90.2	INCD 70.1 60.3 53.8 59.2 64.8 66.2 68.2 62.1 554.9 53.8 48.0	3452.84  PHAZ EHIS 38.7 34.2  47.6 21.2  47.8 12.7  42.4 22.8  42.2 28.6  42.9 38.0  47.9 32.1  53.0 18.2  53.2 7.2  53.0 18.2	0 2.007 ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 -2.7 -0.3 0.3	-73.598 116.833 SCALE PT-PT 00.1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26810 10-11 210.43357 11-12
PHOTO DATA PT LAT LON RANGE AZS 1 -11.032 -18.074 1876.63367 -13 2 -13.044 -28.255 17777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1787.07323 -71 6 -12.875 -22.071 1829.38802 -47 7 -19.322 -20.992 1916.17651 -36 8 -19.321 -27.554 1856.93550 -20 9 -19.456 -33.688 1838.34875 -20 10 -13.258 -33.688 1838.34875 10 -13.258 -33.688 1838.34875 12 -3.288 -39.640 1733.07042 101 13 -3.006 -34.933 1717.99770 174	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .6 8.6 .3 12.3 .0 7.6 .4 2.1 .7 2.5 .8 2.4 .4 1.3	816.  AZSUN 777.7 -79.6 -80.3 -81.4 -82.1 -81.7 -78.5 -75.4 -77.5 -80.3 -82.8 -83.2	AZA 69.8 59.8 67.4 49.8 36.9 47.6 66.6 79.5 75.1 67.5	85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 97.83780 86.52489 86.52489 86.52489 78.49507 78.46595	8/A 0.898 0.932 0.999 0.980 0.980 0.875 0.875 0.954 0.995 0.981	AZPHAL -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.2 -95.6	INCD 70.1 60.3 53.8 59.2 64.8 66.2 62.1 56.5 54.9 53.8	3452.84  PHAZ EMIS 38.7 34.2 47.6 21.2 53.2 7.2 42.4 22.8 42.2 28.6 42.9 38.0 47.9 32.1 53.2 29.5 53.0 18.2	0 2.007  ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 -2.7 -0.3 0.3 1-10.9	-73.598 116.833 SCALE PT-PT 00.1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26810 10-11
PHOTO DATA PT LAT LON RANGE 1.1.8.37 1.10.97 1.2.13.044 2.8.2.55 17777.52124 3.7.6.23.367 2.13.044 2.8.2.55 17777.52124 3.7.6.23.367 2.13.044 2.8.2.55 17777.52124 3.7.6.23.368 2.2.991 1787.07323 7.7.6.2.2.07 18.2.9.38802 4.5.2.2.07 19.322 2.0.992 19.6.17651 3.6.2.38 19.321 2.7.554 1856.93550 7.2.9.19.456 33.368 1838.34875 10.7.3.2.58 33.962 1761.63278 11.7.5.2.58 33.962 1761.63278 11.7.5.2.58 33.2.58 39.640 1733.07042 10.13.3.2.58 39.640 1733.07042 10.13.3.2.58 39.640 1733.07042 10.13.3.2.58 39.640 1733.07042 10.13.3.2.58 39.640 1733.07042 10.13.3.2.58 39.640 1733.07042 10.13.3.2.58 39.640 1733.07042 10.13.3.2.58 39.640 1733.07042 10.13.3.2.58 39.640 1733.07042 10.13.3.2.2.58 39.640 1733.07042 10.13.3.2.2.58 39.640 1733.07042 10.13.3.2.2.58 39.640 1733.07042 10.13.3.2.006 10.3.2.2.5609 10.006 1732.52.5669 10.006 10.00	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .6 8.6 .3 12.3 .0 7.6 .4 2.1 .7 2.4 .8 2.4 .4 1.3	816. AZSUN -77.7 -79.6 -80.3 -81.4 -82.1 -81.7 -78.5 -75.4 -77.5 -80.3 -82.8 -83.2 -83.3	AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1 67.4 89.5 57.2 36.4	85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 83.32505 81.10145 78.49507	8/A C.898 C.992 C.999 C.980 O.980 O.875 O.875 U.999 U.999 U.999	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6	INCO 70.1 60.3 53.8 59.2 64.8 66.2 62.1 56.5 54.9 53.8 58.5	3452.84  PHAZ EMIS 38.7 34.2 47.6 21.2 47.8 12.7 42.4 22.8 42.5 38.0 47.9 32.1 53.2 7.2 53.0 18.4 53.2 7.5 58.9 10.5	0 2.007  ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 -2.7 -0.3 0.3 0.10.9 -0.9	-73.598 116.833 SCALE PT-PT 0-1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26810 10-11 210.43357 11-12 158.942159 12-13 161.58759 13-14 170.39559 14-15
PHOTO DATA PT LAT LON RANGE AZS 1 -11.032 -18.074 1876.63367 -13 2 -13.044 -28.255 17777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1787.07323 -71 6 -12.875 -22.071 1829.38802 -47 7 -19.322 -20.992 1916.17651 -36 8 -19.321 -27.554 1856.93550 -20 9 -19.456 -33.688 1838.34875 -20 10 -13.258 -33.688 1838.34875 10 -13.258 -33.688 1838.34875 12 -3.288 -39.640 1733.07042 101 13 -3.006 -34.933 1717.99770 174	.7 6.9 .2 5.6 .8 2.4 .5 4.2 .5 6 .6 8.6 .3 12.3 .0 7.6 .4 2.1 .4 2.1 .8 2.4 .4 1.3 .2 2.4	816.  AZSUN 777.7 79.6 79.6 80.3 81.81.4 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7	AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1 67.5 75.1 67.2 36.4 24.6	1717.3843 <sup>4</sup> A  85.81249  84.47548  81.10145  82.25325  84.11379  86.52489  87.83780  86.52489  83.32505  81.10145  78.49507  78.46595  82.78963  82.78963	8/A 0.898 0.932 0.999 0.980 0.980 0.851 0.851 0.875 0.954 0.995 0.981 0.998 0.998	AZPHAL -93.2 -90.2 -85.6 -85.6 -85.2 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.9	1NCD 70-1 60-3 53-8 59-2 64-8 66-2 62-1 56-5 54-9 53-8 48-0 53-2 58-1 70-3	3452.84 PHAZ EMIS 38.7 34.2 53.2 7.2 53.2 7.2 42.4 22.8 42.9 38.0 47.9 32.1 53.0 18.2 53.0 18.2 53.1 12.3 53.1 21.3 53.7 3.3	0 2.007  ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 -2.7 -0.3 0.3 1-10.9 2-0.5 10.0 32.8	-73.598 116.833  SCALE PT-PT 0 - 1 303.32513 1- 2 241.10142 2- 3 163.99773 3- 4 173.15060 4- 5 177.44280 5- 6 198.46002 6- 7 187.57293 7- 8 175.28931 8- 9 187.90612 9-10 170.26610 10-11 210.43357 11-12 158.92150 12-13 161.58759 13-14 170.39559 13-14 170.39559 13-15 187.89467 15-16
PHOTO DATA PT LAT LON RANGE A25 1-11.832 -18.074 1876.63367 -13 2-13.044 -28.255 1777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 187.07323 -77 6 -12.875 -22.207 1829.38802 -46 7 -19.322 -20.992 1916.17651 -34 8 -19.321 -27.554 1856.93550 -27 9 -19.456 -33.686 1838.34875 (2) 10 -13.258 -33.962 1761.63278 (1) 11 -7.642 -34.200 1724.15295 12 12 -3.288 -39.640 1733.07042 10] 13 -3.006 -34.393 1717.99770 17 14 -2.674 -29.062 1732.52669 -10] 15 -2.279 -23.445 1779.47937 -97 16 -1.795 -17.257 1865.41718 -97 17 -6.742 -16.300 1875.80367 -77	7 6.9 2 5.6 8 2.4 2 5.6 6 3 12.3 0 7.6 4 2.1 7 2.1 8 4 1.3 2 2.4 4 1.3 9 4.3 9 4.3	816.  AZSUN 7-77.7 8-7-82.1 9-82.1 9-82.1 9-82.1 9-82.1 9-82.1 9-82.1 9-82.1 9-82.1 9-82.1 9-82.3 9-83.3 9-83.3 9-83.3 9-83.3 9-83.3 9-83.3	AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1 67.4 89.5 57.4 24.6 17.1	A+ 85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24993 87.83780 86.52489 93.32505 81.10145 78.49507 78.46595 81.01890 82.78963 85.56386 87.04223	8/A C.898 C.992 C.999 C.980 C.980 C.981 C.851 C.875 C.995 C.995 C.995 C.995 C.995 C.996 C.996 C.996 C.996 C.996 C.996 C.986 C.	AZPHAL -93.2 -90.2 -85.2 -85.2 -85.2 -95.7 -90.2 -95.7 -95.2 -95.6 -82.2 -81.6 -80.0 -79.0	238 INCD 70-13 50-3 53-8 59-2 64-8 66-2 62-1 56-5 54-9 53-2 58-5 64-1 70-3 71-1	3452.84 PHAZ EMIS 38.7 34.2 47.6 21.2 53.2 7.2 47.8 12.7 47.8 12.7 47.8 12.7 53.0 18.2 53.2 7.2 53.0 18.2 53.7 2.2 54.4 53.7 2.3 48.4 10.4 37.9 33.4	0 2.007  ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 -0.3 1.0.3 1.0.9 2.0.5 1.0.9 2.0.5 1.0.9 2.0.5 1.0.9 2.0.5 1.0.9 2.0.8 3.1 3.3.9	-73.598 116.833  SCALE PT-PT 0 -1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.5728931 8-9 187.50612 9-10 170.26810 10-11 210.43357 11-12 158.92159 12-13 161.58759 13-14 170.39559 14-15 187.89467 15-16 151.03893 16-17
PHOTO DATA PT LAT LON RANGE AZS 1 -11.32 -18.074 1876.63367 -12 2 -13.044 -28.255 17777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1787.07323 -71 6 -12.875 -22.207 1829.38802 -47 7 -19.322 -20.992 1916.17651 -36 8 -19.321 -27.554 1856.93550 -27 9 -19.456 -33.688 1838.34875 10 -13.258 -33.962 1761.63278 11 -7.642 -34.200 1724.15295 12 -3.288 -39.640 1733.07042 10 13 -3.006 -34.393 1717.9770 174 14 -2.674 -29.062 1732.52669 -101 15 -2.279 -23.445 1779.47937 -99 16 -1.795 -17.257 1865.41718 -99 17 -6.742 -16.630 1875.80367 -71 18 -12.758 -15.551 1925.64423 -67	.7 6.52 5.68 2.45 4.26 8.46 8.47 2.18 2.48 2.49 49 49 49 49 4	816.  AZSUN 77.7 7-76 80.3 81 81.4 9-82.1 9-82.1 9-81.4 9-82.1 9-81.7 9-71.5 9-71.5 9-71.5 9-71.5 9-81.7 9-71.6 9-82.8 9-83.3 1-83.0 7-82.8 9-83.3	AZA 69.8 59.8 67.4 49.8 36.9 47.6 56.6 79.5 75.1 89.5 57.2 36.4 24.6 17.1 27.8	A+ 85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 86.52489 83.32505 81.10145 78.49507 78.46595 81.01890 82.78963 82.78963 83.704223 87.04223	8/A C.898 C.932 C.999 C.980 C.980 C.985 C.985 C.875 C.875 C.999 C.998 C.998 C.998 C.998 C.998 C.998 C.998 C.998 C.998 C.998 C.987 C.	AZPHAL -93.2 -90.2 -95.6 -85.6 -85.2 -96.2 -95.2 -95.2 -95.2 -95.2 -95.6 -82.2 -95.6 -82.2 -81.6 -80.9 -84.2 -99.2	238 1NCD 70-13 53-8 59-2 64-8 66-2 68-2 56-5 54-9 53-2 58-5 64-1 70-3 71-1 72-7	3452.84 PHAZ EMIS 38.7 34.2 53.2 7.2 53.2 7.2 42.4 22.8 42.5 38.0 47.9 32.1 53.0 18.2 53.0 18.2 53.1 121.3 53.1 21.3 53.3 37.2 348.4 10.4 43.1 21.3 37.2 34.3	0 2.007  ALPHA 30.5 11.0 0.3 11.1 22.3 22.6 21.5 9.1 -2.7 -0.3 1-10.9 1-0.9 20.8 32.1 33.9 34.9	-73.598 116.833  SCALE PT-PT 0.1 0.3.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26810 10-11 210.43357 11-12 158.92159 12-13 161.58759 13-14 170.39559 14-15 187.89467 15-16 151.03893 16-17 185.59278 17-18
PHOTO DATA PT LAT LON RANGE A25 1-11.832 -18.074 1876.63367 -13 2-13.044 -28.255 1777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 187.07323 -77 6 -12.875 -22.207 182.938802 -46 7 -19.322 -20.992 1916.17651 -34 8 -19.321 -27.554 1856.93550 -27 9 -19.456 -33.686 1838.34875 (2) 9 -19.456 -33.686 1838.34875 (2) 10 -13.258 -33.962 1761.63278 (2) 11 -7.642 -34.200 1724.15295 12 12 -3.288 -3.96.207 1724.15295 12 13 -3.006 -34.393 1717.99770 174 14 -2.674 -2.485 1779.47937 -97 15 -2.279 -23.445 1779.47937 -97 16 -1.795 -17.257 1865.41718 -97 17 -6.742 -16.30 1875.80367 -77 18 -12.758 -15.451 1925.64423 -66	.7 6.5.6.8 2.4.4.5 5.6.8 2.4.4.5 5.6.8 2.4.4.2 2.6.7 2.6.8 2.4.4 2.1.7 2.1.8 2.4.4 1.1.9 4.1.9 4.1.9 4.1.1 2.1.9 4.1.1 2	816.  AZSUN 77.7 79.6 6.00.3 9.082.1 9	AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1 67.4 89.5 236.4 24.6 17.1 27.8 37.9	A+ 85.81.249 84.47548 81.10145 82.253.25 84.11379 86.52865 90.24093 87.83780 86.52489 93.32505 81.101450 78.46595 81.01890 82.78963 85.54388 87.04223 89.80885 94.20459	8/A 0.898 0.932 0.999 0.980 0.980 0.875 0.875 0.875 0.995 0.995 0.998 0.998 0.986 0.946 0.946 0.947 0.847	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.2 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -84.2 -90.2	238 INCD 1 60-3 53-8 59-2 64-8 66-2 62-1 56-5 53-8 48-0 53-2 58-5 64-1 70-3 71-1 72-7	3452.84 PHAZ EMIS 38.7 34.2 47.6 21.2 53.2 7.2 47.8 12.7 47.8 12.7 47.8 12.7 53.0 18.2 53.2 7.2 53.0 18.2 53.7 2.2 54.4 53.7 2.3 48.4 10.4 37.9 33.4	0 2.007  ALPHA 30.5 11.0 0.3 11.1 22.3 1 22.6 1 21.5 9.1 1 -0.3 1 10.9 1 10.9 2 10.0 3 32.1 1 33.9 3 34.9 3 35.9	-73.598 116.833  SCALE PT-PT 0 -1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.5728931 8-9 187.50612 9-10 170.26810 10-11 210.43357 11-12 158.92159 12-13 161.58759 13-14 170.39559 14-15 187.89467 15-16 151.03893 16-17
PHOTO DATA PT LAT LON RANGE AZS 1 -11.332 -18.074 1876.63367 -13 2 -13.044 -28.255 1777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1787.07323 -71 6 -12.875 -22.07 1829.38802 -47 7 -19.322 -20.992 1916.17651 -36 8 -19.321 -27.554 1856.93550 -20 9 -19.456 -33.688 1838.34875 -20 10 -13.258 -33.688 1838.34875 -20 11 -7.642 -34.200 1724.15295 12 -3.288 -39.640 1733.07042 10 13 -3.006 -34.393 1717.99770 17 14 -2.674 -29.062 1732.52609 -10 15 -2.279 -23.445 1779.47997 -97 16 -1.795 -17.257 1865.41718 -97 17 -6.742 -16.630 1875.80367 -77 18 -12.758 -15.451 1925.64423 -66 19 -19.507 -13.495 2027.86420 -47 20 -27.222 -9.376 2214.94928 -31	.7 6.58 2.45 45 6 86 3 120 74 27 28 24 12 24 12 39 43 75 119 17	816.  AZSUN 77.7 79.6 80.8 80.8 81.8 81.8 81.8 81.8 81.8 81.8	AZA 69.8 59.8 67.4 49.8 36.9 47.6 65.4 66.6 75.1 67.4 89.5 57.2 36.4 24.6 17.1 27.8 37.9 46.0 52.5	A+ 85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 86.52489 83.32505 81.10145 78.49507 78.46595 81.01890 82.78963 82.78963 83.704223 87.04223	8/A 0.898 0.992 0.992 0.980 0.930 0.851 0.875 0.875 0.954 0.986 0.998 0.998 0.998 0.998 0.998 0.998 0.999 0.9667 0.792 0.697	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.2 -95.2 -96.8 -80.9 -81.6 -80.9 -84.2 -90.2 -96.3	238 INCD 70-13 53-8 59-2 64-8 66-2 62-1 56-5 54-8 48-0 53-2 58-5 71-1 72-7 79-5	3452.84 PHAZ EHIS 47.6 21.2 53.2 7.2 53.2 7.2 47.8 12.7 42.4 22.8 42.5 38.6 42.5 38.6 47.9 32.1 53.2 29.5 53.0 18.2 53.2 18.2 53.7 2.4 48.4 10 37.9 33.4 36.8 38.3 37.2 47.4	0 2-007  ALPHA 30.5 11.0 0.3 11.1 22.3 21.5 9.1 -0.3 10.0 10.0 10.0 20.8 10.0 33.9 10.0 33.9 10.0 33.9 10.0 33.9 10.0 33.9 10.0 35.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1	-73.598 116.833  SCALE PT-PT 0 - 1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 178.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26810 10-11 210.43357 11-12 158.92159 12-13 161.58759 13-14 170.39559 13-14
PHOTO DATA PT LAT LON RANGE A25 1-11.832 -18.074 1876.63367 -13 2-13.044 -28.255 1777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 187.07323 -77 6 -12.875 -22.207 182.938802 -46 7 -19.322 -20.992 1916.17651 -34 8 -19.321 -27.554 1856.93550 -27 9 -19.456 -33.686 1838.34875 (2) 9 -19.456 -33.686 1838.34875 (2) 10 -13.258 -33.962 1761.63278 (2) 11 -7.642 -34.200 1724.15295 12 12 -3.288 -3.96.207 1724.15295 12 13 -3.006 -34.393 1717.99770 174 14 -2.674 -2.485 1779.47937 -97 15 -2.279 -23.445 1779.47937 -97 16 -1.795 -17.257 1865.41718 -97 17 -6.742 -16.30 1875.80367 -77 18 -12.758 -15.451 1925.64423 -66	.7 6.58 2.45 45 46 86 87 47 28 27 28 28 29 49 49 49 179 179 171 18.	816.  AZSUN 7-77.7 7-79.6 9-80.3 9-81.4 9-82.1 9-81.7 9-78.5 9-77.5 9-78.5 9-78.6 9-82.8 9-83.3 9-82.8 9-83.3 9-83.6 9-83.3 9-83.6 9-83.3 9-83.6 9-83.3 9-83.6 9-83.3	AZA 69.8 59.8 67.4 49.8 36.9 47.6 65.4 66.6 75.1 67.4 89.5 57.2 36.4 24.6 17.1 27.8 37.9 46.0 52.5	1717.3843'  A+ 85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 86.52489 83.32505 81.10145 78.46595 81.01890 82.78963 85.56386 87.04223 89.80885 94.20459 9101.59665 96.09285 92.99210	8/A C.898 C.999 C.999 C.980 O.930 O.851 O.851 O.875 U.995 U.995 O.981 O.981 O.981 O.981 O.981 O.981 O.981 O.985 O.985 O.986 O.998 O.986 O.998 O.986 O.998 O.	AZPHAL -93.2 -90.2 -85.6 -85.6 -85.6 -85.7 -90.2 -95.7 -95.7 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -79.0 -80.1	238 INCD 70-1 60-3 53-8 59-2 64-8 66-2 68-2 56-5 54-9 53-8 71-1 72-7 75-2 79-5 64-8	3452.84 PHAZ EMIS 38.7 34.2 53.2 7.2 53.2 7.2 47.8 12.7 42.4 22.8 42.2 28.6 42.5 38.6 47.9 32.1 53.0 18.2 53.2 17.2 58.9 10.5 53.7 2.4 48.4 10.1 37.2 34.2 37.2 34.3 37.2 34.3 37.2 34.4 38.2 58.4 33.3 49.1	0 2-007  ALPHA 30.5 11-0 0-3 11-1 22-3 12-5 9-1 1-0-3 10-1 10-0 30-0 30-0 31-0 33-0 33	-73.598 116.833  SCALE PT-PT 00.1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26810 10-11 210.43357 11-12 158.92159 12-13 161.58759 13-14 170.39559 14-15 187.89467 15-16 151.03893 16-17 185.59278 17-18 212.18142 18-19 271.07985 19-20 245.02542 20-21 203.21674 21-22
PHOTO DATA PT LAT LON RANGE 1-11.382 - 18.074 1876.63367 - 12 2 - 13.044 - 28.255 17777.52124 - 34 3 - 7.642 - 34.200 1724.15295 1 4 - 7.363 - 28.4746 1738.86073 - 55 5 - 7.068 - 22.991 1787.07323 - 71 6 - 12.875 - 22.207 1829.38802 - 45 7 - 19.322 - 20.992 1916.17651 - 38 8 - 19.321 - 27.554 1856.93550 - 20 9 - 19.456 - 33.688 1838.34875 6 10 - 13.258 - 33.962 1761.63278 6 11 - 7.642 - 34.200 1724.15295 1 12 - 3.288 - 39.640 1733.07002 101 13 - 3.006 - 34.393 1717.99770 174 14 - 2.674 - 29.062 1732.52659 - 101 15 - 2.279 - 23.445 1779.47937 - 91 16 - 1.795 - 17.257 1865.41718 - 92 17 - 6.742 - 16.630 1875.80367 - 77 18 - 12.778 - 15.651 1925.64423 - 64 19 - 19.507 - 13.495 2027.86420 - 44 20 - 27.222 - 9.876 2214.94928 - 31 21 - 27.034 - 18.949 2067.88712 - 21 22 - 26.734 - 26.465 1993.25687 - 12 22 - 26.734 - 26.465 1993.25687 - 12 23 - 22.755 - 33341 1999.04893	.7 6.5 .8 2.4 .5 4.2 .5 6.6 8.6 .3 12. .6 8.6 .3 12. .6 2.1 .7 2. .8 2. .9 4. .9 4. .9 4. .9 17. .1 18. .1 18. .1 18. .1 18.	816.  AZSUN 77.7 79.6 80.3 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81	AZA 69.8 59.8 67.4 49.8 47.6 55.4 67.6 79.5 75.1 67.4 89.5 236.4 21.1 27.8 36.4 21.5 21.5 21.5 21.5 21.5	85.81249 84.47548 81.10145 81.10145 81.25325 84.11379 86.52865 90.24093 87.83780 83.32505 81.10145 78.49507 78.46597 82.78968 87.04223 89.80885 94.20459 91.38169 91.38169	8/A C.898 G.992 G.999 G.980 G.980 G.851 G.875 U.954 U.998 G.981 G.949 U.985 G.949 U.967 G.969 G.969 G.660 G.753	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -96.3 -102.2 -101.1	238 INCO 70.1 60.3 53.8 53.8 66.2 66.2 66.2 56.5 54.9 53.2 58.5 64.1 72.7 77.7 71.4 64.8	3452.84 PHAZ EMIS 38.7 34.2 53.2 7.2 53.2 7.2 42.4 22.8 42.5 38.0 47.9 32.1 53.0 18.2 53.0 18.2 53.1 21.4 53.8 10.5 53.7 2.3 53.1 21.4 53.8 38.3 37.2 34.3 37.2 34.3 37.2 34.3	0 2-007  ALPHA 30.5 11.0 0.3 11.1 22.3 12.6 9.1 -0.3 1.0.9 1	-73.598 116.833  SCALE PT-PT 0 -1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26610 10-11 210.43357 11-12 158.92150 12-13 161.58759 13-14 170.39559 14-15 187.89467 15-16 151.03893 16-17 185.59278 17-18 212.18142 18-19 271.0785 19-20 245.02542 20-21 203.21674 21-22 185.99444 22-23
PHOTO DATA PT LAT 1-11.332 -18.074 1876.63367 -13 2 -13.044 -28.255 1777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1787.07323 -71 6 -12.875 -22.207 1829.38802 -47 7 -19.322 -20.992 1916.17651 -34 8 -19.321 -27.554 1856.93550 -22 9 -19.456 -33.686 1838.34875 -22 9 -19.456 -33.686 1838.34875 10 -13.258 -33.962 1761.63278 11 -7.642 -34.200 1724.15295 12 -3.288 -39.640 1733.0704 21 13 -3.006 -34.939 1717.99770 17 14 -2.674 -29.062 1732.52669 -101 15 -2.279 -23.445 1779.47937 -97 16 -1.795 -17.257 1865.41718 -97 17 -6.742 -16.30 1875.80367 -77 18 -12.758 -15.451 1925.64423 -64 19 -19.507 -13.495 2027.86420 -44 20 -27.022 -9.876 2214.94928 -34 21 -27.034 -28.465 1993.25687 1 -27 22 -26.745 -33.341 1969.04893 12 22 -26.745 -33.341 1969.04893 12 24 -27.020 -40.074 1988.302.09 1	.7 6.52 5.68 2.45 4.26 8.66 8.66 76 2.1 .7 2.1 .8 2.1 .8 2.1 .9 4.1 .9 4.1 .1 18.1 .1 18.1 .3 3.1 .4 4.4 .4 1.4 .4	816.  AZSUN 1 -77.7 1 -77.7 2 -78.6 3 -80.3 4 -82.1 5 -81.7 5 -78.5 4 -75.4 5 -80.3 8 -82.8 8 -83.3 7 -82.5 5 -82.6 5 -83.3 7 -82.5 5 -82.6 7 -82.5 7 -82.5 8 -83.3 8 -83.3 8	AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1 67.5 57.2 36.4 24.6 17.1 37.9 46.0 52.5 61.5 82.7	A+ 85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 86.52489 83.32505 81.10145 78.449507 78.46595 81.01890 82.78963 85.56386 87.04223 89.80885 94.20459 101.59665 96.09285 92.99210 91.38169 90.96819	8/A C.89A C.9932 C.999 C.980 O.930 O.887 O.875 U.999 U.987 U.999 U.986 C.981 C.986 C	AZPHAL -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -79.0 -79.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.3 -90.3	238 INCD 70.1 60.3 53.8 53.8 66.2 62.1 56.5 54.9 84.0 53.2 77.4 64.8 70.3 77.2 77.4 64.8 58.5 64.8	3452.84 PHAZ EMIS 38.7 34.2 53.2 7.2 53.2 7.2 42.4 22.8 42.5 38.6 42.5 38.6 42.5 38.6 53.2 29.5 53.0 18.2 53.2 29.5 53.0 18.2 53.2 29.5 34.3 121.4 37.9 33.4 36.8 38.2 37.2 34.3 36.8 38.4 53.8 42.5 59.0 44.5	0 2-007  ALPHA 30.5 11.0 0.3 11.1 22.3 12.6 21.5 1-0.3 1-0.9	-73.598 116.833  SCALE PT-PT 00-1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 1210.43357 11-12 126.93259 12-13 161.58759 13-14 170.39559 13-15 187.89467 15-16 151.03893 16-17 185.59278 17-18 212.18142 18-19 271.07985 19-20 245.02542 20-21 203.21674 21-22 185.99444 22-23 182.06475 23-24
PHOTO DATA PT LAT LON RANGE AZS 1 -11.32 -18.074 1876.63367 -12 2 -13.044 -28.255 17777.52124 -34 3 -7.642 -34.200 1724.15295 1 4 -7.363 -28.746 1738.86073 -55 5 -7.068 -22.991 1787.07323 -71 6 -12.875 -22.207 1829.38802 -47 7 -19.322 -20.992 1916.17651 -36 8 -19.321 -27.554 1856.93550 -27 9 -19.456 -33.688 1838.34875 61 -13.258 -33.962 1761.63278 61 11 -7.642 -34.200 1724.15295 12 -3.288 -39.640 1733.07062 10 13 -3.006 -34.393 1717.9770 17 14 -2.674 -29.062 1732.52669 -10 15 -2.279 -23.445 1779.47937 -99 16 -1.795 -17.257 1865.41718 -99 17 -6.742 -16.630 1875.80367 -77 18 -12.758 -15.451 1925.64423 -64 19 -19.507 -13.495 2027.86420 -44 20 -27.222 -9.876 2214.94928 -34 21 -27.034 -18.949 2067.88712 -22 -226.734 -28.465 1993.25687 -10 22 -226.734 -28.465 1993.25687 -10 23 -26.745 -33.341 1969.04893 24 -27.020 -40.074 1988.30029 12 25 -19.715 -39.714 1856.02975 22 5 -19.715 -39.714 1856.02975	.7 6.58 2.4 .5 42 5.6 8.6 .3 120 7.4 2.1 .7 2.1 .8 24 19 49 41 188 261 183 34 48 268 2	816.  AZSUN 7-77.7 80.3 81.8 91.4 91.8 91.4 91.8 91.4 91.8 91.4 91.8 91.4 91.8 91.4 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8	AZA 69.8 67.4 49.8 67.4 49.9 47.6 66.6 79.5 70.1 89.5 57.2 36.4 27.8 89.5 71.5 61.5 71.5 61.5 71.5	85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 86.52489 83.32505 81.10145 78.49507 78.46595 81.01990 82.78963 87.04223 89.80885 94.20459 90.9285 92.99210 91.38169 90.96819 96.12709	8/A C.898 G.932 G.999 G.980 G.895 G.851 G.855 G.965 G.98	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -85.2 -94.8 -90.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.3 -94.8	238 INCO 70.1 60.3 59.2 64.8 66.2 62.1 56.9 53.8 48.0 256.1 72.7 71.4 658.9 53.5 54.9 53.5 55.2	3452.84 PHAZ EMIS 38.7 34.2 53.2 7.2 53.2 7.2 42.4 22.8 42.2 28.6 42.7 38.0 18.2 53.0 18.2 53.0 18.2 53.1 21.4 31.1 21.4 31.2 48.4 10.4 43.1 21.4 37.9 33.4 37.2 34.3 37.2 34.3 37.3 34.8 53.8 48.8 43.3 49.8 48.8 44.5 53.8 42.5 53.8 42.5	0 2.007  ALPHA 30.5 11.0 0.3 11.1 22.3 12.6 21.5 9.1 -2.7 -0.3 1-10.9 10.0 33.9 0.33.9 0.33.9 0.33.9 0.33.9 0.33.9 0.33.9 0.35.0	-73.598 116.833  SCALE PT-PT 0 -1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26610 10-11 210.43357 11-12 158.92150 12-13 161.58759 13-14 170.39559 14-15 187.89467 15-16 151.03893 16-17 185.59278 17-18 212.18142 18-19 271.0785 19-20 245.02542 20-21 203.21674 21-22 185.99444 22-23
PHOTO DATA PT LAT LON RANGE AZS 1 - 11 - 83 - 2 - 18 - 074 1876 - 63367 - 13 2 - 13 - 044 - 28 - 255 1777. 52124 - 36 3 - 7 - 642 - 34 - 200 1724 - 15295 1 4 - 7 - 163 - 28 - 1746 1738 - 86073 - 55 5 - 7 - 1068 - 22 - 991 1787 - 07323 - 77 6 - 12 - 1875 - 22 - 207 182 - 38802 - 46 7 - 19 - 322 - 20 - 992 1916 - 1765 1 - 36 8 - 19 - 321 - 27 - 554 1856 - 39550 - 22 9 - 19 - 456 - 33 - 686 1838 - 34875 ( 10 - 13 - 258 - 33 - 962 1761 - 63278 ( 11 - 7 - 642 - 34 - 200 1724 - 15295 1 12 - 3 - 288 - 39 - 640 1733 - 0702 1 13 - 3 - 3006 - 34 - 393 1717 - 99770 17 14 - 2 - 674 - 29 - 162 1732 - 52669 - 101 15 - 2 - 279 - 23 - 445 1779 - 47937 - 97 16 - 1 - 179 - 17 - 257 1865 - 41718 - 97 17 - 6 - 174 - 2 - 1630 1875 - 180367 - 77 18 - 12 - 784 - 15 - 451 1925 - 64423 - 64 19 - 19 - 507 - 13 - 395 2027 - 186420 - 47 20 - 27 - 822 - 9 - 876 22 14 - 94928 - 31 21 - 27 - 33 - 341 1969 - 04873 ( 22 - 28 - 1734 - 28 - 865 1993 - 25687 - 24 22 - 26 - 1734 - 33 - 341 1969 - 04893 ( 25 - 19 - 1715 - 39 - 1714 1886 - 02975 2 26 - 13 - 1518 - 39 - 776 1778 - 1322379 3	7 6.5. 2 5.6. 8 2.4. 5 4.2. 5 6.6 8.6. 6 8.6. 6 7.6. 6 2.6. 7 7.6. 7 2.6. 7 2.6. 8 3 7. 8 2.6. 1 1.8. 1 1.8. 2 6.6. 8 11. 8 3 3. 9 4 6. 8 11. 8 26. 8 11. 8 26. 8 11. 8 26. 9 4 7.	816.  AZSUN 1 -77.7 1 -77.7 2 -77.7 3 -81.4 3 -81.4 5 -82.1 5 -81.7 5 -75.4 5 -80.3 6 -80.3 6 -80.2 6 -80.3 7 -82.5 6 -80.3 7 -80.5 7 -80.5 7 -80.6 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -80.7 7 -70.7 7 -70.7 7 -70.7	AZA 69.8 59.8 67.4 49.8 36.9 47.6 55.4 66.6 79.5 75.1 67.5 57.2 36.4 24.6 17.1 37.9 46.0 52.5 61.5 82.7	A+ 85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 86.52489 83.32505 81.10145 78.449507 78.46595 81.01890 82.78963 85.56338 87.04223 89.80885 94.20459 101.59465 96.09285 92.99210 91.38169 90.96819 86.12709	8/A 0.898 0.932 0.999 0.980 0.930 0.930 0.930 0.875 0.875 0.954 0.984 0.984 0.967 0.847 0.764 0.867 0.764 0.867	AZPHAZ -93.2 -90.2 -85.6 -85.2 -84.7 -90.2 -85.7 -90.2 -84.7 -90.2 -84.8 -80.9 -80.9 -80.9 -80.1 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2 -84.2 -90.2	238 INCO 70.1 1 60.3 59.2 64.8 59.2 66.2 1 56.4 9 53.4 8.0 53.2 58.5 54.9 71.1 70.3 71.1 775.2 79.5 71.1 44.6 4.8 95.5 51.2 44.6 64.8 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96	3452.84 PHAZ EMIS 38.7 34.2 53.2 7.2 53.2 7.2 42.4 22.8 42.5 38.0 47.9 32.1 53.0 18.2 53.2 17.2 58.9 10.5 37.9 33.4 37.2 34.3 37.2 34.3 37.2 34.3 37.2 34.3 37.3 3.8 42.5 58.5 43.3 49.3 58.5 43.3 49.3 58.5 58.5 58.5 58.5	0 2-007  ALPHA 30.5 11-0 0.3 11-1 22-3 12-6 21-5 2-1-5 1-0-9	-73.598 116.833  SCALE PT-PT 0.0 1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15080 4-5 177.44280 5-6 198.46002 6-7 187.57293 7-8 175.28931 8-9 187.90612 9-10 170.26810 10-11 210.43357 11-12 158.92159 12-13 161.58759 13-14 170.39579 13-14 170.39579 13-15 187.89467 15-16 151.03893 16-17 185.99278 17-18 212.18142 18-19 271.07985 19-20 245.02542 02-21 203.21674 21-22 185.99444 22-23 182.06475 23-26 187.4988 24-25 187.74182 22-26
PHOTO DATA PT LAT LON RANGE AZS 1 - 11.832 - 18.074 1876.63367 - 13 2 - 13.044 - 28.255 1777.52124 - 36 3 - 7.642 - 34.200 1724.15295 1 4 - 7.363 - 28.746 1738.86073 - 55 5 - 7.068 - 22.991 1787.07323 - 71 6 - 12.875 - 22.207 1829.38802 - 46 7 - 19.322 - 20.992 1916.17651 - 36 8 - 19.321 - 27.554 1856.93550 - 22 9 - 19.456 - 33.686 1838.34875 ( 10 - 13.258 - 33.962 1761.63278 ( 11 - 7.642 - 34.200 1724.15295 1 12 - 3.288 - 39.640 1733.0704 2 11 - 7.642 - 34.200 1733.0704 2 12 - 13.258 - 39.640 1733.0704 1 15 - 2.279 - 23.445 1779.47937 - 97 16 - 1.795 - 17.257 1865.41718 - 97 17 - 6.742 - 16.30 1875.86367 - 17 18 - 12.758 - 15.451 1925.6442 3 19 - 19.507 - 13.495 2027.86420 - 47 20 - 27.822 - 9.876 2214.9428 3 21 - 27.034 - 18.949 2067.86712 - 21 22 - 26.734 - 28.865 1993.25687 - 12 23 - 26.745 - 33.341 1909.04893 ( 24 - 27.020 - 40.074 1988.30.029 1 25 - 19.715 - 39.714 1856.02975 2 26 - 13.518 - 39.761 6 7786 22329 3	.7 6.52 5.68 2.42 5.66 8.63 120 7.64 2.17 28 269 43 75 119 178 261 188 261 186 3.	816.  AZSUN 7-77.7 7-79.6 9-80.3 9-81.4 9-82.1 9-81.7 9-81	AZA 69.8 67.4 49.8 36.9 47.6 60.5 75.4 60.5 75.1 61.7 89.5 24.6 60.5 71.1 27.8 94.0 60.5 71.1 27.8 61.5 71.5 61.5 71.5 61.5 71.5 61.5 61.5 61.5 61.5 61.5 61.5 61.5 6	85.81249 84.47548 81.10145 82.25325 84.11379 86.52865 90.24093 87.83780 86.52489 83.32505 81.10145 78.49507 78.46595 81.01990 82.78963 87.04223 89.80885 94.20459 90.9285 92.99210 91.38169 90.96819 96.12709	8/A 0.932 0.932 0.999 0.980 0.851 0.851 0.960 0.985 0.98	AZPHAZ -93.2 -90.2 -85.6 -85.7 -90.2 -85.7 -90.2 -84.7 -90.2 -84.8 -90.2 -84.9 -80.9	238 INCO 70.1 1 60.3 59.2 64.8 59.2 66.2 1 56.4 9 53.4 8.0 53.2 58.5 54.9 71.1 70.3 71.1 775.2 79.5 71.1 44.6 4.8 95.5 51.2 44.6 64.8 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96	3452.84 PHAZ EMIS 38.7 34.2 53.2 7.2 53.2 7.2 42.4 22.8 42.5 38.0 47.9 32.1 53.2 29.6 47.9 32.1 53.2 29.6 47.9 32.1 53.2 29.6 47.9 32.1 53.2 29.6 33.3 49.1 36.8 38.2 36.8 38.2 37.2 34.3 36.8 38.2 37.2 34.3 36.8 38.2 58.6 43.3 37.2 47.6 38.2 58.6 43.3 49.1 58.5 32.1	0 2-007  ALPHA 30.5 11-0 0.3 11-1 22-3 12-6 21-5 2-1-5 1-0-9	-73.598 116.833  SCALE PT-PT 0-1 303.32513 1-2 241.10142 2-3 163.99773 3-4 173.15060 4-5 177.44280 5-6 198.46002 6-7 187.528931 8-9 187.90612 9-10 170.26810 10-11 210.43357 11-12 158.942159 12-13 161.58759 13-14 170.39559 13-15 187.89467 15-16 151.03893 16-17 185.9278 17-18 212.18142 18-19 271.07945 19-20 243.221674 21-22 185.99444 22-23 182.06475 23-24 221.88968 24-25 187.74182 25-26

		RA-VII CAMER	A FA			21
JULY 31,1964 13 HR 12 MIN 17 SE	C 357 MS	TAB NO	41	ATLAS PHOTO NO	41	POD SEQUENCE NO 88
TRAJECTORY DATA		SEC TO IMPACT 811.442	ALT	LAT LUN	R	V PTH AZ
PHUTO DATA		011.742	1707.52243	-4.091 -34.195	3442.978	2.009 -73.566 116.827
PT LAT LON RANGE A	AZS/C AZN	AZSUN AZA	A =	8/A AZPHAZ INCO	PHAZ EMIS	ALPHA SCALE PT~PT
	13.9 6.9	-77.7 69.6	85.33402	0.898 -93.2 70.0	38.7 34.1	30.5 0. 0-1
	-30.3 5.6 1.1 2.4	-79.6 59.7 -80.3 67.2	84.00635		47.6 21.3	11.0 301.22277 1- 2
	55.5 4.2	-81.3 49.7	80.64464		53.2 7.2 47.8 12.8	0.4 239.79928 2- 3
5 -7.096 -22.967 1777.20778 -	71.1 6.0	-82.1 37.0	83.64924		42.4 22.9	11.2 163.08918 3- 4 22.3 172.22082 4- 5
	44.6 8.6	-81.4 47.5	86.05398	J.88U -90.2 66.2	42.2 28.8	22.6 176.48047 5- 6
7 -19.283 -20.977 1905.60181 - 8 -19.281 -27.503 1846.57045 -		-81.7 55.4	89.74298	J.795 -95.7 68.2	42.5 38.0	21.5 197.33975 6- 7
9 -19.414 -33.602 1827.85970	·20.1 7.6 0.3 2.9	-78.6 66.5 -75.4 79.2	87.34743 ( 86.03101 (		47.9 32.0	9.2 186.56858 7~ 8
10 -13.252 -33.876 1751.64375	0.5 2.6	-77.5 74.8	82.85256		53.2 29.9 53.0 18.2	-2.6 174.32364 8- 9 -0.2 186.81022 9-10
11 -7.667 -34.115 1714.32805	1.1 2.4	-80.3 67.2	80.64464		53.2 7.2	-0.2 186.81022 9-10 0.4 169.31023 10-11
	01.2 1.3	-82.8 88.7	77.99878 (	.985 -82.2 48.1	58.9 10.8 -	-10.8 209.19395 11-12
13 -3.058 -34.308 1708.09769 1 14 -2.727 -29.006 1722.73009 -1	76.2 2.4	-83.1 57.0	78.01046	0.981 -81.6 53.3	53.7 2.1	-0.4 157.96734 12-13
	.01.5 3.3 .95.8 4.1	-83.2 36.5 -83.0 24.8	80.56055 ( 82.32621 (	998 -80.9 58.6		10.1 160.68138 13-14
16 -1.853 -17.266 1854.99600 -	93.8 4.7	-82.4 17.2	85.08515		43.1 21.6 37.9 33.0	20.9 169.46693 14-15 32.1 186.84811 15-16
	77.2 7.5	-82.6 27.9	86.56225 (		37.2 34.1	32.1 186.84811 15-16 33.9 150.21021 16-17
	60.5 11.5	-83.3 38.0	89.31664 (	.792 -90.2 72.7	36.8 38.9	34.9 184.58712 17-18
	47.9 16.9 38.8 26.1	-85.4 46.0	93.68281 (		37.2 47.0	34.9 210.95276 18-19
	38.8 26.1 28.2 18.6	-90.5 52.5 -83.7 61.4		.541 -102.2 79.4	38.2 58.5	35.1 269.11695 19-20
22 20.047 26.420 1981.84779 -	14.9 11.1	-78.9 71.4	92.45951 (	0.661 -101.1 71.4 0.728 -100.1 64.8	43.3 49.7 48.6 44.4	18.8 243.43389 20-21 5.1 202.08258 21-22
23 -26.655 -33.252 1957.51968	0.2 3.5	-74.5 82.5	90.84610			-7.0 164.95073 22 23
	15.3 -4.4	-69.9 4.2	90.41451 (	-746 -98.7 53.5	59.0 44.0 -	19.9 180.93067 23-24
	20.6 -2.0	-71.8 3.2	85.61927	.868 -94.4 51.2	58.5 31.9 -	14.2 219.94708 24-25
	31.0 -0.6 56.2 0.5	-75.0 2.2 -78.9 1.2	82.46403 (		58.4 21.3 -	
	01.2 1.3	-82.8 88.7	77.99878		58.5 13.0 - 58.9 10.8 -	-10.3 168.84580 26-27 -10.8 139.22573 27-28
					30.7 10.0	134.223/3 2/-28
JULY 31,1964 13 HR 12 MIN 22 SE	C 477 MS	TAB NO	42	ATLAS PHOTO NO	42	POD SEQUENCE NO 90
TRAJECTURY DATA						
		SEC TO IMPACT 806.323	ALT 1697.65210	LAT LON -4.113 -34.151	R 3433-107	V PTH AZ 2.011 -73.533 116.821
PHOTO DATA						
	ZS/C AZN	AZSUN AZA	A =	8/A AZPHAZ INCD		
	14.0 6.9 30.4 5.6	-77.8 69.4 -79.6 59.6	84.85467 0		38.7 34.1	
	0.5 2.4	-79.6 59.6 -80.3 66.9	83.53642 C		47.6 21.3 53.2 7.2	11.1 299.12929 1- 2
4 -7.417 -28.636 1719.41887 -	55.5 4.3	-81.3 49.7	81.33347 0			0.4 238.49403 2- 3 11.2 162.17949 3- 4
	71.1 6.0	-82.1 37.0	83.18397 0	.930 -84.7 64.9		22.3 171.28903 4- 5
	49-7 8-6	-81.4 47.5	85.57835 0	·880 -90·2 66·2	42.2 28.8	22.7 175.51534 5- 6
	36.4 12.3 20.2 7.6	-81.7 55.3 -78.6 66.3	89.24377 0 86.85603 0	-795 -95-7 68-2		21.6 196.21503 6- 7
9 -19.371 -33.515 1817.35344	0.1 2.9	-75.5 79.0	85.53635 0		47.9 32.0 53.2 29.8	9.3 185.56063 7-8
10 -13.246 -33.791 1741.64156	0.2 2.6	-77.6 74.6	82.37946 0			-2.5 173.35598 8- 9 -0.1 185.71142 9-10
11 -7.692 -34.030 1704.49414	0.5 2.4	-80.3 66.9	80.18735 0	.999 -85.6 54.0	53.2 7.2	0.4 168.35053 10-11
12 -3.390 -39.407 1712.55560 1 13 -3.109 -34.222 1698.19261 1		-82.8 87.9	77.50342 0		58.9 10.7 -	10.6 207.95482 11-12
14 -2.780 -28.951 1712.92511 -1		-83.1 56.8 -83.2 36.5	77.55509 0 80.10182 0			-0.3 157.01381 12-13
15 -2.389 -23.395 1759.56619 -	95.6 4.1	-83.0 24.9	81.86227 0			10.2 159.77448 13-14 20.9 168.53671 14-15
16 -1.910 -17.275 1844.56107 -	93.7 4.7	-82.4 17.4	84.60584 0	.867 -79.0 70.2		20.9 168.53671 14-15 32.1 185.79935 15-16
17 -6.802 -16.650 1855.11171 -	77.1 7.5	-82.6 28.0	86.08142 0	.847 -84.2 71.1		33.9 149.38004 16-17
	60.5 11.4	-83.3 38.0	88.82328 0	.793 -90.2 72.7	36.8 38.9	34.9 183.57784 17-18
	47.9 16.9 38.9 26.0	-85.4 46.0 -90.4 52.5	93.15954 0			34.9 209.71827 18-19
21 -26.856 -18.955 2044.32904 -	28.2 18.5	-83.7 61.3	94.99802 0			35.0 267.14768 19-20 18.9 241.83640 20-21
22 -26.558 -26.375 1970.41156 -	15-0 11-1	-78.9 71.3			48.6 44.3	18.9 241.83640 20-21 5.1 200.94359 21-22
23 -26.564 -33.164 1945.96977	0.1 3.5	-74.6 82.3	90.30959 0	.755 -99.3 59.0	53.8 42.4	-7.5 183.90432 22-23
	15.1 -4.3	-70.0 4.0	89.86031 0	./47 -98.7 53.6	59.0 43.8 -	19.8 179.79705 23-24
34	20.4 -2.0 30.7 -0.6	~71.9 2.9 -75.0 1.8	85.11095 0 81.97928 0		58.5 31.8 -	
27 -7.959 -39.335 1719.59456	55.8 0.5	-78.9 0.7	79.89405 0		58.4. 21.3 - 58.5 12.9 -	11.1 185.45404 25-26 10.2 167.85778 26-27
	01.0 1.3	-82.8 87.9	77.50342 0		58.9 10.7 -	10.6 138.40550 27-28

		RA-VII	CAMERA	FA							22
JULY 31,1964 13 HR 12 MIN 27 SI	EC 597 MS	T.	AB NO	43	ATLA	s рното	NO	43	POD SI	EQUENCE NO	92
TRAJECTURY DATA		SEC TO 1		ALT 1687.77362	LAT			1423	R V	PTH AZ -73.500 116.	
PHOTO DATA				_							
	AZS/C AZN -14.2 6.9	AZŞUN -77.8	AZA 69.3	A. 84.37486		AZPHAZ	1 NC D	PHAZ E	MIS ALPHA 4.1 30.5		-PT - 1
	-30.5 5.6	-79.6	59.5	83.06601		-90.2		47.6 2		297.03576 1	- 2
3 -7.718 -33.945 1694.65363	-0.2 2.4	-80.3	66.7	79.72987	0.999	-85.6	54.1	53.2	7.3 0.5		- 3
	-55.5 4.3	-81.3	49.6	80.87286		-85.2		47.8 L			- 5
	-71.0 6.0 -49.7 8.6	-82.1 -81.5	37.0 47.5	82.71821 85.10216		-84.7 -90.2		42.4 2		174.54900 5	- 6
	-36.5 12.3	-81.7	55.3	88.74401		-95.7		42.5 3	8.0 21.6		- 7 - A
8 -19.200 -27.402 1825.78671	-20.3 7.6	-78.7	66.2	86.36416		-95.2	62.2	47.9 3	9.8 -2.4		1- H
9 -19.328 -33.429 1806.84009	-0.0 2.9 -0.1 2.6	-75.6 -77.6	70.8 74.4	81.90601		-94.8 -90.2	55.1	53.2 2 53.0 1	8.2 -0.0	184.61208 9	-10
10 -13.239 -33.706 1731.63197 11 -7.718 -33.945 1694.65363	-0.2 2.4	-80.3	66.7	79.72987		-85.6	54.1	53.2	7.3 0.5	167.3900C 10	)-11
12 -3.441 -39.290 1702.29578	100.8 1.3	-82.7	87.2	71.00814		-82.2			0.5 -10.5	206.71601 11	
13 -3.161 -34.137 1688.28220 -	179.3 2.4	-83.1 -83.1	56.6 36.6	77.09974 79.64274		-81.6 -80.9		53.7 48.4 1		158.86/00 13	
14 -2.833 -28.895 1703.11264 - 15 -2.444 -23.369 1749.59508	·100./ 3.3 -95.4 4.1		25.0	81.39793		-80.0		43.1 2		167.60542 14	
15 -2.444 -23.369 1749.59508 16 -1.967 -17.284 1834.11653	-93.6 4.8	-82.4	17.5	84-12610		-79.0	70.2	37.9 3	32.9 32.1	184.74955 15	
17 -6.832 -16.660 1844.74489	-77.1 7.6		28.0	85.60006		-84.2	71.1	37.2 3	34.L 33.9	148.54895 16	
	-60.5 11.4	-83.3 -85.4	38.0 46.0	88.32932 92.63569		~90.2 ~96.3		36.8 5		208.48314 18	
19 -19.30	-47.9 16.9 -38.9 25.9		52.4	92.03309				38.2 5		265.18425 19	9-20
	-28.3 18.4	-83.7	61.2	94.44942			71.4	43.3 4	49.6 18.9	240.24139 20	
	-15.1 11.1	-79.0	71.2	91.39146				48.6 4		199.80348 21	
23 -26.473 -33.076 1934.41618	-0.0 3.6		82.1	89.77291		-99.3 -93.7	59.1	53.8 4	43.7 -19.6	178.66517 23	
24 -26.729 -39.668 1952.01180 25 -19.576 -39.342 1823.19032	15.0 -4.1 20.2 -1.9	-70.1 -72.0	3.7 2.6	89.30625 84.60250		-94.4	51.4	58.5	31.7 -13.9	216.86363 24	4-25
25 -19.576 -39.342 1823.19032 26 -13.492 -39.220 1747.14917	30.4 -0.6		1.5	81.49434		-90.2	49.9	58.4 2	21.2 -11.0	184.30932 25	5-26
27 -7.983 -39.218 1709.39365	55.4 0.5	-79.0	0.2	79.42025		-85.9	48.9	58.5	12.8 -10.1 10.5 -10.5	166.86917 26	6-27
2B -3.441 -39.290 1702.29578	100.8 1.3		67.2							137.58517 27	1-40
20 31441 374270 14044277.1	100.0 1.3	-82.7	01.2	77.00874	0.984	-82.2	40.4	,,,,,			
26 31441 331270 11012371	100.6 1.5			44				44		SEQUENCE NO	94
JULY 31,1964 13 HR 12 MIN 32 S			TAB NO			-82.2 AS PHOTO				-	-
			TAB NO		ATL.	AS PHOTO	) NO	44	POD S	PTH A:	z
JULY 31,1964 13 HR 12 MIN 32 S TRAJECTURY DATA PHOTO DATA	SEC 717 MS	SEC 10 796.	IMPACT	44 ALT 1677.88654	ATL	AS PHOTO 1 L 157 -34	0 NO	44 341.	POD S	PTH A	Z .810
JULY 31,1964 13 HR 12 MIN 32 S TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE	SEC 717 MS AZS/C AZN	SEC 10 796.	TAB NO	ALT 1677-88654	LA -4.	AS PHOTO  1 L 157 -34	0 NO UN .064	44 341.	POD S R V 3.342 2.015 EM1S ALPHA	PTH A2 -73.467 116	z
JULY 31,1764 13 HR 12 MIN 32 S TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE 1 -11,796 -18,149 1834.05972	SEC 717 MS  AZS/C AZN -14.3 6.9	SEC 10 796. AZSUN -77.9	TAB NO IMPACT OB3 AZA 69-1	ALT 1677.88654 A* 83.89534	ATL LA -4. 8/A (7.898	AS PHOTO 1 L 157 -34	0 NO UN .064 INCD 70.0	44 341.	POD 5  R V 3.342 2.015  EM1S ALPHA 34.0 30.4	PTH A: -73.467 116. SCALE P' 0. (294.96552	Z .BIO T-PT O- 1 1- 2
JULY 31.136. 13 HR 12 MIN 32 S  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.706 -18.149 1834.05972 2 -15.026 -28.041 1731.96301	SEC 717 MS AZS/C AZN	SEC 10 796. AZSUN -77.9 -79.7 -80.3	TAB NO IMPACT 083 AZA 69.1 59.4 66.4	ALT 1677.88654 A= 83.89534 82.59550 79.27285	ATL. LA -4. B/A 0.898 0.931 0.999	AS PHOTO 1 L 157 -34 AZPHAZ -93.3 -90.2 -85.6	INCD 70.0 60.5 54.2	341. PHAZ 1 38.7 47.6	POD 5  R V 3.342 2.015  EM1S ALPHA 34.0 30.4 21.3 11.2 7.3 0.6	PTH AA-73.467 116.  SCALE PO. 294.96552 235.88035	Z .B10 T-PT 0- 1 1- 2 2- 3
JULY 31,196+ 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -15.026 -28.041 1737.96301 3 -7.744 -33.861 1684.8101 4 -7.411 -28.27 1699.3179	AZS/C AZN -14-3 6-9 -30-6 5-7 -0-8 2-4	SEC 10 796. AZSUN -77.9 -79.7 -80.3 -81.3	AZA 69-1 59-4 66-4 49-5	ALT 1677.88654 A* 83.89534 82.59550 79.27280 80.41182	ATL LA -4. 8/A 0.898 0.931 0.999	AS PHOTO 1 L 157 -34 AZPHAZ -93.3 -90.2 -85.6 -85.2	0 NO 0N .064 INCD 70.0 60.5 54.2 59.4	341. PHAZ 1 38.7 47.6 53.2 47.8	POD S  R V 3.342 2.015  EM1S ALPHA 34.0 30.4 21.3 11.2 7.3 0.6 13.0 11.3	PTH A. -73.467 116. SCALE P 0. 294.96552 235.88035 160.35776	Z .B10 T-PT 0- 1 1- 2 2- 3 3- 4
JULY 31.136+ 13 HR 12 MIN 32 S  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.895 1747.52722	AZS/C AZN -14-3 6-9 -30-6 5-7 -0-8 2-4 -55-5 4-3	SEC 10 796. AZSUN -77.9 -79.7 -80.3 -81.3	AZA 69.1 59.4 66.4 49.5	ALT 1677.88654 A* 83.89534 82.59550 79.27288 80.41182 82.25167	ATL LA -4. 8/A 0.898 0.931 0.999 0.979	AS PHOTO T L 157 -34 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7	1NCD 70.0 60.5 54.2 59.4	341. PHAZ 1 38.7 47.6 53.2 47.8 42.4	POD 5  R V 3.342 2.015  EM1S ALPHA 34.0 30.4 21.3 11.2 7.3 0.6 13.0 11.3 23.0 22.4	PTH A73.467 116. SCALE P 0. 294.96552 235.88035 160.35776 169.41984	Z .B10 T-PT 0- 1 1- 2 2- 3
JULY 31.196+ 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.927 1699.93759 5 -7.182 -22.495 1747.52722 6 -12.862 -22.122 1789.15251	AZS/C AZN -14-3 6-9 -30-6 5-1 -0.8 2-4 -55-5 4-3 -70-9 6-6	SEC 10 796. AZSUN -77.9 -79.7 -80.3 -81.3 -82.0 -81.5	TAB NO IMPACT 083  AZA 69.1 59.4 66.4 49.5 37.1 47.4	ALT 1677.88654 A* 83.89534 82.59550 79.27280 80.41182	ATL. LA -4. 8/A (7.898 0.931 0.999 0.979 0.929 0.980	AS PHOTO 1 L 157 -34 AZPHAZ -93.3 -90.2 -85.6 -85.2	INCD 70.0 60.5 54.2 59.4 64.9 66.2 68.2	341. PHAZ 1 38.7 47.6. 53.2 47.8 42.4 42.2 42.5	POD 5  R V 3-342 2-015  EMIS ALPHA 34-0 30-4 21-3 11-2 7-3 0-6 13-0 11-3 23-0 22-4 28-9 22-7 38-0 21-6	PTH AA-73.467 116 SCALE P 0. 294.96552 235.88035 160.45776 169.41984 173.58326 193.496723	Z .B10 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
JULY 31.1964 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.99301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.927 1699.93759 5 -7.182 -22.495 1747.52722 6 -12.862 -22.122 1789.15251	AZS/C AZN -14.3 6.9 -30.6 5.7 -0.8 2.4 -55.5 4.3 -70.9 6.6 -49.7 8.6 -36.5 12.2	SEC 10 796. AZSUN -77.9 -79.7 -80.3 -81.3 -62.0 -81.5 -81.8	TAB NO  IMPACT 083  AZA 69-1 66-4 49-5 37-1 47-4 55-2 66-1	ALT 1677-88654 A* 83.89534 82.59550 79.27285 80.41182 82.25167 84.62553 88.24430 85.87768	ATL. LA -4. 8/A 0.898 0.931 0.979 0.979 0.929 0.880 0.796 C.852	AS PHOTO 1 157 -34 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7	UN .064 INCD 70.0 60.5 54.2 59.4 64.9 66.2 62.3	341. PHAZ 1 38.7 47.6 53.2 47.8 42.4 42.5 47.9	POD 5  R V 3.342 2.015  EMIS ALPHA 34.0 30.4 21.3 11.2 21.3 0.6 13.0 11.3 23.0 22.4 28.9 22.7 38.0 21.6	PTH AA-73.467 116.  SCALE P 0. 294.96552 235.88035 160.45776 169.41984 173.58326 193.96723 183.54010	Z .B10 T-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
JULY 31.176+ 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -15.026 -28.041 1737.76301 3 -7.744 -33.861 1684.81091 4 -7.411 -28.27 1699.93759 5 -7.182 -22.182 1747.52722 6 -12.862 -22.122 1789.15251 7 -17.164 -20.936 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.207 -33344 1746.34285	AZS/C AZN -14-3 6-9 -30-6 5-7 -0-8 2-4 -55-5 4-7 -70-9 6-6 -36-5 12-2 -20-4 7-6 -0-2 3-6	SEC 10 796. A75UN -77.9 -80.3 -81.3 -82.0 -81.5 -81.8 -78.7	TAB NO IMPACT 083  AZA 69.1 59.4 66.4 49.5 37.1 47.4 55.2 66.1 78.6	ALT 16/7-88654 A- 83.89534 82.59550 79.27285 80.41182 82.25167 84.62553 88.24430 85.87768 84.54710	### ATLL  ### ###############################	AS PHOTO 1 L 157 -34 AZPHAZ -93.3 -90.2 -85.6 -85.2 -90.2 -95.7 -95.2 -95.7 -95.2	NO UN .064 1NCD 70.0 60.5 54.2 59.4 64.9 66.2 68.2 62.3	341. PHAZ 1 38.7 47.6. 53.2 47.8 42.4 42.2 42.5 47.8	POD 5 R V 3.342 2.015 EMIS ALPHA 31.3 11.2 7.3 0.6 11.3 0.1 23.0 22.4 28.9 22.7 38.0 21.6 32.0 9.4 29.8 -2.3	PTH A73.467 116. SCALE P 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953	Z .810 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6- 7 7- 8 8- 9
JULY 31.196% 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -11.026 -28.041 1737.96301 3 -7.744 -33.861 1688.81091 4 -7.471 -28.527 1699.93799 5 -7.182 -22.1895 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.936 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.287 -33.344 1796.34285 10 -13.234 -33.622 1721.04755	AZS/C AZN -14-3 6-9 -30-6 5-4 -55-5 4-3 -70-9 6-4 -49-7 8-6 -36-5 12-2 -20-4 7-6 -0-2 3-6 -0-2 3-6	SEC 10 796. AZSUN -77.9 -79.7 -80.3 -81.3 -62.0 -81.5 -81.8 -78.7 -75.6	TAB NO IMPACT 083  AZA 69.1 59.4 66.4 49.5 37.1 47.4 55.2 66.1 78.6 74.1	ALT 1677-88654 A* 83.89534 82.59550 79.27285 80.41182 82.25167 84.62553 88.24430 85.87268 84.54710 81.43279	ATL LA -4. 8/A 0.898 0.931 0.979 0.880 0.796 0.876 0.876 0.876 0.954	AS PHOTO 1 L 157 -34 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -96.2 -94.8 -90.2	INCD 70.0 60.5 54.2 59.4 64.9 66.2 68.2 62.3 56.8	341. PHAZ 1 38.7 47.6 53.2 47.8 42.4 42.2 42.5 47.9 53.3	POD 5  R V 3.342 2.015  EMIS ALPHA 34.0 30.4 21.3 11.2 7.3 0.6 11.3 22.0 22.4 28.9 22.7 38.0 21.6 32.0 9.4 29.8 -2.3	PTH A73.467 116. SCALE P 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953	Z .810 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10
JULY 31,176+ 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -15.026 -28.041 1737.76301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.895 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.936 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.207 -33.344 1796.34285 10 -13.234 -33.622 1721.62755 11 -7.744 -33.8621 1684.81091	AZS/C AZN -14-3 6-9 -30.6 5-7 -0.8 2-4 -70.9 6-1 -49.7 8-6 -36-5 12-2 -20.4 7-6 -0.2 3-6 -0.8 2-4 -0.2 3-6	SEC 10 796. AZSUN -77.9 -79.7 -80.3 -81.3 -81.5 -81.5 -78.7 -75.6 -76.6	TAB NO IMPACT 083  AZA 69.1 59.4 66.4 49.5 37.1 47.4 55.2 66.1 78.6	ALT 16/7-88654 A- 83.89534 82.59550 79.27285 80.41182 82.25167 84.62553 88.24430 85.87768 84.54710	ATL 1A -4. 8/A 0.898 0.931 0.999 0.980 0.796 0.880 0.796 0.886 0.999	AS PHOTO  I 157 -344  -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -90.2 -94.8 -90.2 -94.8	INCD 70.00 60.5 54.2 59.4 64.9 66.2 68.2 62.3 56.8 55.2 54.2	341. PHAZ 1 38.7 47.6 47.8 42.4 42.5 47.9 53.3 53.0 53.2	POD 5  R  3.342 2.015  BMIS ALPHA 34.0 30.4 21.3 11.2 21.3 11.2 21.0 21.0 22.0 22.7 38.0 21.0 32.0 9.4 29.8 -2.3 18.2 0.0 7.3 0.6	PTH A73.467 116. SCALE P 0. 294.96552 235.88035 160.45776 173.58326 193.96723 183.54010 171.41953 183.51819 166.43119 1 205.47803 11	Z .810 T-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 0-11-12
JULY 31.196 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHUTO DATA  PI LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1664.81091 4 -7.411 -28.527 1699.93759 5 -7.182 -22.895 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.996 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.247 -33.444 1746.34285 10 -13.234 -33.622 1721.62755 11 -7.744 -33.861 1664.81091 12 -3.449 -19.174 1692.03683 13 -3.214 -39.021 174 1692.03683	AZS/C AZN -14-3 6-9 -30.6 5-7 -0.8 2-4 -70.9 6-1 -49-7 8-6 -20-4 12-6 -0.2 3-6 -0.3 2-6 -0.4 2-4 -0.6 12-2 -10.2 3-6 -10.2 2-4 -10.6 1-2 -177.0 2-4	SEC 10 796. AZSUN -77.9 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -78.7 -75.6 -77.6 -80.3	TAB NO  IMPACT 083  AZA 69-1 59-4 66-4 49-5 37-1 47-4 55-2 66-1 78-6 74-1 66-4	ALT 1677-88656 A• 83.89534 82.59550 79.27285 80.41162 82.25167 84.62553 88.24430 85.87768 84.54710 81.432785 79.27285 76.51516	ATL LA -4. B/A 0.991 0.997 0.929 0.796 0.880 0.954 0.954 0.984	AS PHOTO 1	1NCD 70.0 60.5 59.4 2 64.9 66.2 62.3 55.2 59.4 2 48.5 53.6	341. PHAZ 1 38.7 53.2 47.8 42.4 42.2 42.5 47.9 53.0 53.0 53.2 53.7	R V 3.342 2.015 EMIS ALPHA 21.3 11.2 7.3 0.6 13.0 11.3 23.0 22.4 28.9 22.7 38.0 21.6 32.0 9.4 29.8 -2.3 18.2 0.0 7.3 0.6 10.4 -10.4 1.9 -0.1	PTH A73.467 116.  SCALE P 0. 294.96552 235.88035 160.35776 169.41984 173.58326 173.46723 183.54010 171.41953 183.51819 166.43119 1 205.47803 1 155.40845 1	Z .810 T-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 .0-11 .1-12 .1-13
JULY 31.136% 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.995 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.956 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.267 -33.344 1746.34205 10 -13.234 -33.622 1721.62755 11 -7.744 -33.861 1684.81091 12 -3.493 -19.174 1697.03681 13 -3.214 -34.052 1678.38646 14 -2.887 -2.8860 1693.28584	AZS/C AZN -14.3 6.9 -30.6 5.1 -0.8 2.4 -55.5 4.3 -70.9 6.6 -49.7 8.6 -0.2 3.6 -0.8 2.4 -0.8 2.4 -0.8 2.4 -0.8 2.4 -0.8 2.4 -0.8 2.4 -100.4 1.3	SEC 10 796. AZSUN -779.7 -80.3 -81.3 -82.0 -81.5 -81.5 -77.6 -77.6 -80.3 -82.7 -80.3	TAB NO IMPACT OB3  AZA 69.1 59.4 66.4 49.5 37.1 47.4 55.2 66.1 78.6 74.1 66.4 86.4 36.7	ALT 16/7-80554 A* 83.89534 82.59550 79.27285 80.41182 82.25167 84.6253 88.24430 81.43279 79.27285 76.51516 76.64420 79.18299	ATL: 1A -4. 8/A 0.898 0.999 0.979 0.979 0.880 0.880 0.880 0.999 0.9984 0.9984 0.9981 0.9981	AS PHOTO  I L 157 -34  AZPHAZ -93.3 -90.2 -85.6 -85.2 -90.2 -95.7 -90.2 -94.8 -90.2 -81.6 -82.2 -81.6	INCD 70.0 60.5 2 59.4 64.9 66.2 2 54.2 2 54.2 53.6 7 58.6	341. PHAZ 7 47.6. 53.2 47.6. 42.4 42.5 47.9 53.3 53.0 53.2 58.9 748.4	R V 3.342 2.015  R1 34.0 30.4 21.3 11.2 21.3 11.2 23.0 22.7 33.0 21.3 23.0 22.7 38.0 21.6 32.0 7.3 0.6 32.0 7.3 0.6 32.0 10.4 1.9 -0.1	PTH A73.467 116. SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953 183.51819 166.43119 1 205.47803 1 155.10845 1 157.95808 1	Z .810 T-PT O- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 0-11 1-12 (2-13)
JULY 31.196% 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.33759 5 -7.182 -22.895 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.996 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.287 -33.344 1796.34289 10 -13.234 -33.622 1721.62755 11 -7.744 -33.861 1684.81091 12 -3.493 -19.174 1692.01683 13 -1.214 -34.952 1678.36464 14 -2.887 -28.840 1693.28584 15 -2.500 -23.495 1739.51228584 15 -2.500 -23.495 1739.51228584	AZS/C AZN -14.3 6.9 -30.6 5.7 -0.8 2.4 -55.5 4.3 -70.9 6.4 -49.7 8.6 -0.2 3.6 -0.8 2.4 -0.0 2.2 -0.0 2.2 -0.0 2.4 -0.0 2.4 -0.0 2.4 -0.0 2.4 -0.0 2.4 -0.0 2.4 -0.0 2.4 -0.0 3.2 -0.0 3.2 -0.0 4.3 -0.0 5.7 -0.0 6.7 -0.0 6.7	SEC 10 796. A7SUN -77.9 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -78.6 -77.6 -80.3 -80.3 -80.3 -80.3	TAB NO  IMPACT 083  AZA 69-1 59-4 66-4 49-5 37-1 47-4 55-2 66-1 78-6 74-1 66-4 56-4 36-7 25-2	ALT 16/7.88054 A. 83.89934 82.59950 79.27285 80.41182 82.25167 84.62553 88.24430 81.432/9 79.27285 70.51516 76.64420 79.18299 80.93258	ATL LA -4. 8/A 0.498 0.999 0.988 0.997 0.880 0.984 0.984 0.984 0.988 0.998	AS PHOTO  1	INCD 70.0 60.5 54.2 62.3 56.8 55.2 54.6 65.2 68.3 66.8 65.2 68.3 66.8 66.8 66.8 66.8 66.8 66.8 66.8	341. PHA2 7 47.6 53.2 47.8 42.8 42.9 53.3 53.0 53.0 53.2 53.7 48.4 43.1	R 3.342 2.015 EMIS ALPHA 21.3 11.2 21.3 11.2 23.0 22.4 23.0 22.7 38.0 21.6 23.0 21.6 24.8 -2.3 18.2 0.0 7.3 0.6 11.9 -0.1 10.9 10.3	PTH A73.467 116.  SCALE P 0. 294.96552 235.88035 160.35776 169.41984 173.58326 173.46723 183.54010 171.41953 183.51819 166.43119 1 205.47803 1 155.40845 1	Z .810 T-PT 0-1 1-2 2-3-4 4-5 5-6 6-7-8 8-9 9-10 0-11 .1-12 .2-13 .13-4
JULY 31,136% 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.995 1747.52722 6 -12.802 -22.122 1789.15251 7 -19.104 -20.936 1873.77538 8 -19.164 -20.936 1873.77538 8 -19.164 -20.936 1873.77538 10 -13.234 -33.642 1746.34285 10 -13.234 -33.661 1684.81091 12 -3.493 -199.174 1697.01683 13 -3.214 -34.052 1678.38604 14 -2.887 -2.8860 1693.28584 15 -2.500 -23.345 1739.60219 16 -2.026 -17.794 1823.66149	AZS/C AZN -14.3 6.9 -30.6 5.1 -0.8 2.4 -55.5 4.3 -70.9 6.6 -49.7 8.6 -0.8 2.4 -0.2 3.6 -0.8 2.4 -0.8 2.4 -0.8 2.4 -0.8 2.4 -177.0 2.4 -100.4 1.3 -100.4 3.3 -95.5 4.8	SEC 10 776. AZSUN -779.7 -80.3 -81.3 -82.0 -81.5 -81.8 -78.7 -77.6 -77.6 -80.3 -80.3 -80.3 -80.3 -80.3 -80.3 -80.3 -80.3 -80.3	TAB NO IMPACT OB3  AZA 69.1 59.4 66.4 49.5 37.1 47.4 55.2 66.1 78.6 74.1 66.4 86.4 36.7	ALT 16/7-80554 A* 83.89534 82.59550 79.27285 80.41182 82.25167 84.6253 88.24430 81.43279 79.27285 76.51516 76.64420 79.18299	ATL LA -4. 8/A 0.999 0.999 0.989 0.984 0.984 0.984 0.984 0.984 0.984 0.984	AS PHOTO  T L 197 -34  AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -90.2 -95.6 -82.2 -81.6 -80.9 -80.0	NO UN .064 INCD 70.00 60.5 54.2 59.4 64.9 66.2 62.3 56.8 55.2 54.6 64.7 64.2 70.2 71.1	341. PHAZ 1 38.7 47.6 53.2 47.8 42.4 42.5 53.0	R 3.342 2.015 EMIS ALPHA 21.3 11.2 21.6 13.0 11.3 22.0 22.4 23.2 22.7 38.0 21.6 23.0 21.6 24.9 22.7 38.0 21.6 29.8 -2.3 18.2 0.0 7.3 0.6 10.4 -10.4 1.9 -0.1 10.9 -0.1 10.9 32.9 32.1 34.1 33.9	PTH A73.467 116.  SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953 183.54010 171.41953 183.54010 175.10845 157.795808 155.10845 157.795808 183.69367 183.69367	Z .810 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6- 7 7- 8 8- 9 9-10 0-11 1-12 (2-13 (3-14 (4-15 (5-17)
JULY 31,196+ 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO UATA  PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -15.026 -28.041 1737.76301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.895 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.996 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.287 -33.344 1796.34285 10 -13.234 -33.622 1721.62755 11 -7.744 -33.861 1684.81091 12 -3.493 -19.174 1697.03683 13 -3.214 -34.052 1678.386464 14 -2.887 -28.840 1693.28584 15 -2.500 -23.345 1739.66214 16 -2.026 -17.294 1823.64149 17 -6.863 -16.672 1834.35338 18 -12.748 -15.516 1883.353318	AZS/C AZN -14-3 6-9 -30.6 5.7 -0.8 2.4 -55.5 4.3 -70.9 6.1 -36.5 12-2 -20.4 7.6 -0.2 3.6 -0.3 2.6 -10.2 3.6 -0.6 1.3 -177.0 7.6 -60.5 11.4	SEC 10 796.  A/SUN -77.9 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -78.7 -77.6 -77.6 -80.3 -82.7 -83.1 -82.9 -83.1	TAB NO IMPACT 083  AZA 69-1 59-4 66-4 49-5 37-1 47-4 55-2 66-1 78-6 74-1 66-4 56-4 56-7 25-2 17-7 28-1 38-0	ALT 1677-88656 A* 83.89534 82.59550 79.27285 80.41182 82.25167 84.6253 88.24430 85.87268 84.54710 81.432785 76.51516 76.64420 79.18299 80.36445 80.36445 81.836445 85.11755	ATL.  LA.  8/A  8/A  0.979  0.980  0.979  0.984  0.984  0.984  0.984  0.984  0.984  0.984  0.984	AS PHOTO  I L 157 -34  AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -95.2 -95.7 -95.2 -80.0 -80.0 -79.0 -84.2	NO UN -064 1NCD 70.05 54.2 59.4 64.2 68.2 68.2 55.2 54.2 70.2 70.2 71.1	341. PHAZ 1 38.7 47.6 47.8 42.4 42.2 42.5 53.3 53.2 58.9 48.4 43.1 38.0 37.2	R V 3.342 2.015 R3.342 2.015 R3.40 30.4 R3.40 30.4 R3.40 30.4 R3.40 12.3 R3.40 21.3 R3.40 21.4 R3.4	PTH A73.467 116. SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953 183.51819 166.43119 1205.47803 155.10845 157.79808 166.67051 183.69367 147.71622 181.55648	Z .810 T-PT O- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 0-11 112 1.2-13 1.3-14 1.4-15 1.5-16
JULY 31.1964 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -11.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93799 5 -7.182 -22.195 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.936 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.287 -33.344 1796.34285 10 -13.234 -33.622 1721.62755 11 -7.744 -33.861 1684.81091 12 -3.493 -199.174 1697.01683 13 -3.214 -34.052 1721.62755 14 -2.887 -22.880 1693.28584 15 -2.500 -23.345 1739.60219 17 -6.863 -16.672 1834.35338 18 -12.748 -15.516 1883.31102 19 -19.343 -13.516 1883.31102	AZS/C AZN -14-3 6-9 -30-6 5-4 -9-18 6-9 -70-9 6-2 -49-7 8-6 -36-5 12-2 -20-4 1-6 -0-8 2-4 100-6 1-2 -171-0 2-6 -100-4 3-3 -171-0 7-6 -60-5 11-4	SEC 10 776.  A7SUN -77.9 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -78.7 -75.6 -80.3 -82.7 -75.6 -80.3 -82.7 -83.3 -82.4 -83.3 -82.4	TAB NO  IMPACT 083  AZA 69-1 59-4 49-5 37-1 47-4 55-2 66-1 78-6 74-1 66-4 86-4 55-2 17-7 28-1 38-0 46-0	ALT 16/7.88654 A. 83.89534 82.59550 90.41182 82.25167 84.62553 88.24430 85.817268 84.54710 79.27285 70.18249 90.93258 83.64495 85.1175 87.83456 92.11158	ATL -4. 8/A 0.898 0.979 0.9879 0.9879 0.984 0.998 0.988 0.988 0.988 0.986	AS PHOTO  I L 157 -34  AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.9 -80.9 -80.9	NO UN -064 INCD 70.0 60.5 59.4 64.9 66.2 62.3 56.8 55.2 54.2 54.2 71.1 72.6	341. PHAZ 1 38.7 47.8 42.2 42.5 42.5 53.0	R	PTH A73.467 116.  SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953 183.51819 166.43119 1 205.47803 1 155.10845 1 157.95808 1 166.67051 1 183.69367 1 147.71622 1 181.55648 1 207.25278 1	Z .810 T-PT 0-1 1-22-33-44-55-66-77-88-99-10-112-1333-144-155-166-17
JULY 31.196* 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.411 -28.927 1699.93759 5 -7.182 -22.995 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.996 1873.77538 8 -19.164 -20.996 1873.77538 8 -19.164 -7.35.2 1815.39787 9 -19.287 -33.344 1746.34285 10 -13.234 -33.621 1721.62755 11 -7.744 -33.861 1684.81091 12 -3.493 -19.174 1697.01683 13 -3.214 -34.952 1678.36464 14 -2.887 -28.880 1693.28584 15 -2.500 -23.345 1739.60219 16 -2.026 -17.294 1823.66149 17 -6.863 -16.677 1834.33338 18 -12.748 -15.516 1883.31102 19 -19.343 -13.617 1892.78882 0 -27.4434 -10.155 7163.22339	AZS/C AZN -14-3 6-9 -30.6 5-7 -0.8 2-4 -55.5 4-3 -70.9 6-1 -49-7 8-6 -0-2 3-6 -0-3 2-6 -0-3 2-6 -0-1 2-4 -177.0 2-6 -177.0 7-6 -48-0 16-4 -48-0 16-4 -38-9 25-	SEC 10 796.  A/SUN -77.9 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -78.7 -77.6 -80.3 -82.7 -83.0 -83.1 -82.7 -83.0 -83.1 -82.4 -82.5 -83.3 -85.4	IMPACT 083  AZA 69-1 59-4 66-4 497-1 47-4 55-2 66-1 78-6 46-4 46-4 46-4 46-7 25-2 17-7 28-1 38-0 46-0 52-4 75-2 8-1 28-0 52-4 8-0 52-4 75-2 8-1 28-0 52-2 8-1 28-1 28-1 28-1 28-1 28-1 28-1 28	ALT 1677-88656 A* 83.89934 82.59550 79.27285 80.41182 82.25167 84.62593 88.24430 81.43279 81.432785 76.51516 76.64420 79.42255 83.64495 85.11755 87.8356 92.211158 99.22538	ATL LA. 8/A 0.4991 0.979 0.9816 0.9816 0.9849 0.9886 0.9886 0.9849 0.8473 0.8473 0.5949	AS PHOTO  I L 157 -34  AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -90.2 -95.6 -80.9	UN -064 1NCD 70.00 60.5 54.22 59.4 66.9 68.2 62.3 56.8 55.2 74.2 75.2 70.2 75.1	341. PHAZ 1 38.7 47.6 53.2 47.8 42.4 42.5 47.9 53.3 53.0 53.2 53.7 48.1 38.2 37.2 38.2	R V 3.342 2.015  EMIS ALPHA 30.4 2.03  7.3 0.6 11.3 11.2 7.3 0.6 12.4 11.3 23.0 22.4 28.9 22.7 38.0 21.6 29.8 -2.3 18.2 0.0 7.3 0.6 10.4 -10.4 10.9 10.3 21.6 21.0 21.1 33.9 34.1 33.9 34.8 34.8 46.8 34.8	PTH A73.467 116.  SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953 183.51819 166.43119 1 205.47803 1 155.9808 1 166.67051 1 183.69367 147.71622 1 181.55648 1 207.25278 1 207.25278 1 263.24156 1 288.64956 2	Z .810 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7- 8 8- 9 9-10 0-11 1-12 12-13 13-14 14-17 117-18 18-19 19-20
JULY 31.196* 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -11.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.195 1747.5272 6 -12.862 -22.122 1789.15251 7 -19.164 -20.956 1873.77538 8 -19.160 -27.552 1815.39767 9 -19.287 -33.344 1796.34285 10 -11.234 -33.022 1721.02755 11 -7.744 -33.861 1684.81091 12 -3.493 -199.174 1697.01683 13 -3.214 -34.952 1775.25584 15 -2.500 -23.345 1739.60219 16 -2.026 -17.294 1823.64149 17 -6.863 -16.672 1834.35338 18 -12.748 -15.516 1883.3110 19 -19.343 -13.161 71982.78885 20 -27.434 -10.155 2161.22339 21 -26.678 -18.963 2020.74142	AZS/C AZN -14-3 6-9 -30-6 5-7 -0-8 2-4 -55-5 4-3 -70-9 8-6 -49-7 8-6 -20-4 7-6 -0-8 2-4 -100-6 1-2 -171-0 2-4 -100-6 2-4 -171-0 2-4 -171-	SEC 10 779.  A7SUN 779.7 780.3 -81.3 -82.9 -81.5 -81.8 -78.7 -75.6 -80.3 -81.1 -82.9 -82.4 -83.3 -82.4 -90.3 -82.4	TAB NO  IMPACT  OB3  AZA  69-1  59-4  66-4  49-5  37-1  47-4  66-1  78-6  74-1  66-4  56-7  28-1  38-0  52-4  66-2	ALT 16/7.88654 A. 83.89534 82.59550 90.41182 82.25167 84.62553 88.24430 85.817268 84.54710 79.27285 70.18249 90.93258 83.64495 85.1175 87.83456 92.11158	### ATL.    1A	AS PHOTO  I L 157 -34  AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -90.3	NO UN .064  1NCD 770.0 60.5 59.4 64.9 66.2 62.3 55.2 70.2 71.1 79.2 71.3	341. PHAZ 1 38.7 47.8 42.2 42.5 42.5 53.0	R V 3.342 2.015 EMIS ALPHA 20.30 EMIS ALPHA 21.3 10.2 7.3 0.6 13.0 11.3 23.0 22.4 28.9 22.7 38.0 21.6 32.0 9.4 29.8 -2.3 18.2 0.0 7.3 0.6 10.4 -10.4 10.9 -0.1 10.9 10.3 21.6 21.0 32.9 32.1 34.1 33.4 34.8 34.8 46.8 34.8 46.8 34.8 46.9 5.3	PTH A73.467 116.  SCALE P 0.  294.96552 235.88035 160.35776 169.41984 173.58326 173.96723 183.54010 171.41953 183.51819 166.43119 1 205.47803 1 157.75808 1 157.75808 1 166.67051 1 183.69367 1 147.71622 1 181.55648 1 207.25278 283.64956 2 238.64956 2 238.64956 2 198.66338 2 198.6638 2 198.6638 2 198.6638 2 198.6638	Z .B10 T-PT 0- 1 1- 2 2- 3 3- 4- 5 5- 6- 7 7- 8 8- 9 9-10 0-11 1-12 13-14 14-15 15-16 16-17 17-18 18-19
JULY 31.196* 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.411 -28.927 1699.93759 5 -7.182 -22.995 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.996 1873.77538 8 -19.164 -20.996 1873.77538 8 -19.164 -7.35.2 1815.39787 9 -19.287 -33.344 1746.34285 10 -13.234 -33.621 1721.62755 11 -7.744 -33.861 1684.81091 12 -3.493 -19.174 1697.01683 13 -3.214 -34.952 1678.36464 14 -2.887 -28.880 1693.28584 15 -2.500 -23.345 1739.60219 16 -2.026 -17.294 1823.66149 17 -6.863 -16.677 1834.33338 18 -12.748 -15.516 1883.31102 19 -19.343 -13.617 1892.78882 0 -27.4434 -10.155 7163.22339	AZS/C AZN -14.3 6.9 -30.6 5.7 -0.8 2.4 -55.5 4.3 -70.9 6.6 -49.7 8.6 -36.5 12.2 -0.8 2.4 -0.8 2.4 -100.6 11.6 -95.2 4.2 -107.0 7.6 -60.5 11.6 -77.0 7.6 -60.5 11.6 -38.9 25.2 -48.0 16.1 -38.9 25.2 -38.9 2	SEC 100 776.  A7SUN 777.9 79.7 -80.3 -81.5 -81.8 78.7 7.7 -75.6 -80.3 8.2 9.7 8.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8	TAB NO  IMPACT  OB3  AZA  69-1  59-4  59-4  59-7  71-1  78-6  74-1  66-4  56-4  56-7  28-1  38-0  40-0  52-4  71-0	ALT 16/7-88054 A. 83.89534 82.59550 79.27285 80.41162 82.25164 84.62553 88.24430 81.43279 79.27285 76.5516 76.64420 79.18299 80.93298 83.6449 83.6449 81.1755 87.83456 92.11158 93.90181 90.85863 89.23791	ATLL LAA4. 8/A (938 (931 (0994) (0974 (09852 (0964) (0994)	AS PHOTO  I L 157 -34  ALPHAL -93.3 -90.2 -85.6 -85.2 -84.7 -95.2 -95.7 -95.2 -94.8 -90.2 -96.3 -80.0 -79.0 -84.2 -96.3 -102.2 -96.3 -102.2 -96.3	NO UN .064 INCD 770.0 64.9 66.2 68.2 559.4 8.5 55.8 770.2 71.1 779.2 71.1 64.9 59.1	341. PHAZ   1 47.6 53.2 47.8 42.4 42.5 47.9 53.0 53.0 53.0 53.0 53.0 53.0 53.0 37.2 38.4 38.6 38.2 38.2 38.2 38.2	R V 3.342 2.015  R 34.0 30.4 21.3 11.2 21.3 11.2 21.3 12.2 23.0 22.7 38.0 21.6 28.9 22.7 38.0 21.6 29.8 -2.3 18.2 0.0 7.3 0.6 10.4 -10.4 1.9 -0.1 10.9 10.3 21.6 21.0 32.9 32.1 34.1 33.9 38.8 34.8 46.8 34.8 58.2 34.9 44.2 5.3	PTH A73.467 116.  SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953 183.51819 166.43119 1 205.47803 1 157.79808 1 167.79808 1 183.69367 1 183.69367 1 147.71622 1 183.59467 1 263.24156 1 238.64956 2 198.66338 4 181.81223 2	Z .810 T-PT 0-1 1-2 2-3 3-4 5-5 6-7 7-8 8-9 9-10 0-11 1-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 22-21 22-22 22-22
JULY 31.196* 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -11.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.895 1747.52722 6 -12.862 -22.122 1789.15251 7 -19.164 -20.996 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.287 -33.344 1796.34285 10 -13.234 -33.622 1721.62755 11 -7.744 -33.861 1684.81091 12 -3.493 -39.174 1697.03683 13 -3.214 -34.052 1678.36464 14 -2.887 -28.880 1693.28564 14 -2.887 -28.880 1693.28564 15 -2.500 -23.345 1739.60219 16 -2.026 -17.294 1823.66149 17 -6.863 -16.677 1834.35338 18 -12.748 -15.516 1883.31102 19 -19.344 -13.617 1982.78885 20 -27.434 -10.155 2163.22339 21 -26.678 -18.963 2020.74142 22 -26.383 -26.227 1947.55112 23 -26.384 -32.989 1922.88869	AZS/C AZN -14.3 6.9 -30.6 5.7 -0.8 2.4 -55.5 4.3 -70.9 6.4 -49.7 8.6 -0.8 2.4 100.6 1.2 -0.8 2.4 100.6 1.2 -171.0 7.4 -100.4 3.2 -171.0 7.4 -100.4 3.2 -36.5 12.2 -38.9 2.2 -38.9 4.2 -38.9 4.2 -38.9 25.2 -38.9 26.2 -38.9 26.2	SFC 10 779.  A7SUN -77.9.7 -80.3 -81.3 -62.0 -81.5 -81.8 -78.7 -75.6 -80.3 -82.7 -75.6 -80.3 -82.7 -75.6 -80.3 -83.1 -82.9 -82.5 -83.1 -83.4 -82.5 -83.7 -70.6	TAB NO  IMPACT 083  AZA 69-1 59-4 06-4 49-5 37-1 47-4 55-2 66-1 78-6 74-1 66-4 86-4 36-7 25-2 17-7 28-1 38-0 66-2 17-7 28-1 38-0 66-2 36-7 38-1 38-0 61-2 71-0 81-9	ALT 16/7.88654 A. 83.899.34 82.59950 79.27285 80.41182 82.25167 84.62553 88.24430 81.43279 79.27285 76.64420 79.18299 80.93258 83.64495 85.11755 87.83456 92.11158 99.22538 99.90181 90.85653 89.23791 88.75452	ATL  LA  -4.  B/A  0.998  0.931  0.999  0.876  0.954  0.999  0.949  0.866  0.999  0.876  0.999  0.876  0.999  0.876  0.999  0.876  0.999	AS PHOTO  I L 157 -34  AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.3 -102.2 -90.3	NO NO UN .004 1NCD 770.00 60.5 54.2 62.3 55.2 62.3 70.2 771.3 64.2 971.3 9759.1 79.2 71.3	341. PHAZ 7 47.6 53.2 42.4 42.5 53.3 53.2 42.5 53.3 53.2 53.2 43.1 38.3 43.6 338.3 43.8 53.8	R 3,342 2.015 EMIS ALPHA EMIS ALPHA 21.3 11.2 23.0 22.4 13.0 11.3 23.0 21.6 13.0 21.6 13.0 11.3 23.0 21.6 13.0 11.3 23.0 21.6 13.0 11.3 23.0 21.6 21.0 32.9 7.3 0.6 10.4 -10.4 10.9 -0.1 10.9 10.3 21.6 21.0 32.9 32.1 10.9 32.1 40.8 34.8 46.8 34.8 46.8 34.8 46.8 34.8 46.8 34.8	PTH A73.467 116.  SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58126 193.96723 183.54010 171.41953 183.54010 171.41953 183.51819 166.47051 1 165.407052 181.55.10845 1 157.795808 1205.47803 1 147.71622 1 181.5648 1 207.25278 2 207.25278 2 207.25	Z .B10 T-PT 0-1 2 2-3 3-4 5-5-6-7 8-9 9-10 0-112 2-13 13-14 14-15 15-17 17-18 18-19 19-20 22-23-24 23-24
JULY 31.196* 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.995 1747.52722 6 -12.862 -22.122 1789.15201 7 -17.164 -20.996 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.287 -33.344 1776.34285 10 -13.234 -33.022 1721.02755 11 -7.744 -33.861 1684.81091 12 -3.493 -19.174 1692.0183 13 -3.214 -34.052 1678.36644 14 -2.887 -28.880 1693.225884 15 -2.500 -23.345 1739.60219 16 -2.026 -17.294 1823.66149 17 -6.863 -16.672 1834.353318 18 -12.748 -15.516 1883.31102 19 -19.341 -13.617 1982.78885 20 -27.434 -10.155 2165.2339 21 -26.678 18.963 2020.7414 22 -26.384 -32.999 1922.88865 24 -26.634 -39.534 1939.946887 25 -19.531 -39.514 1939.946887	AZS/C AZN -14.3 6.9 -30.6 5.7 -0.8 2.4 -55.5 4.3 -70.9 6.6 -49.7 8.6 -0.8 2.4 -0.2 3.6 -0.8 2.4 -100.6 1.2 -107.0 2.6 -100.4 3.3 -95.2 4.3 -17.0 7.6 -49.1 16.6 -38.9 25.2 -49.1 16.6 -38.9 25.2 -28.4 88.9 25.2	SEC 10 776.  A7SUN 777.9 79.7 -80.3 -81.3 -62.0 -81.5 -61.8 -78.6 -77.6 -80.3 -81.7 -75.6 -80.3 -82.7 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -83.0 -70.2 -70.2	TAB NO  IMPACT OBS  AZA 69.1 59.4 49.5 37.1 449.5 37.1 45.2 74.1 86.4 36.7 72.7 28.1 38.0 46.0 46.0 61.2 78.6 61.2 61.2 61.2 61.2 61.2 61.2 61.2 61	ALT 1677-88054 A: 83.89534 82.59550 79.27285 80.41182 82.25167 84.6253 88.24430 81.43279 79.27285 76.51516 76.64420 79.18299 80.93298 83.64495 87.836495 97.11158 99.22538 99.20181 90.85853 89.2379 88.75852 84.79529	ATL  LA  -4.  B/A  6.898  0.979  0.929  0.929  0.929  0.949  0.981  0.999  0.949  0.949  0.949  0.6464  0.6646  0.751  0.757	AS PHOTO  I L 157 -34  ALPHAL -93.3 -90.2 -85.6 -85.2 -99.2 -99.2 -94.8 -90.2 -94.8 -90.2 -91.6 -80.9 -80.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.3 -90.2 -90.3 -90.9	NO NO .064 INCD 770.0 60.5 54.2 62.3 56.8 7 66.9 770.1 72.6 771.1 72.6 75.1 75.1 75.1 75.1 75.1 75.1 75.1 75.1	341. PHAZ I 47.6. 53.2 42.4 42.5 53.3 53.0 53.0 53.0 53.0 53.0 53.3 48.6 43.1 31.2 43.3 36.8 37.2 43.3 48.6 59.0 55.8	R  R  3.342 2.015  BMIS ALPHA 34.0 30.4 21.3 11.2 21.3 11.2 21.0 21.0 32.0 21.0 32.0 21.0 32.0 21.0 32.0 21.0 32.0 21.0 32.0 32.0 32.0 32.0 32.0 32.0 34.0 30.0 32.0 30.0 31.0 30.0 31.0 30.0 31.0 30.0	PTH A73.467 116.  SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.96723 183.54010 171.41953 183.51819 166.43119 1 205.47803 1 157.79808 1 167.79808 1 183.69367 1 183.69367 1 147.71622 1 183.59467 1 263.24156 1 238.64956 2 198.66338 4 181.81223 2	Z .810 T-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 1-12 12-13 13-14 14-15 15-16 16-17 19-20 20-21 221-22 221-22 221-22 224-23 224-25
JULY 31.196* 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -11.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.4/1 -28.527 1699.93759 5 -7.182 -22.195 1747.52722 6 -12.862 -22.125 1747.52722 7 -19.164 -20.996 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.287 -33.344 1746.34285 10 -13.234 -33.622 1721.62755 11 -7.744 -33.861 1684.81091 12 -3.493 -99.174 1692.01683 13 -3.214 -34.022 1721.62755 11 -7.758 -38.861 1684.81091 12 -3.493 -99.174 1692.01683 13 -3.214 -34.052 1678.36464 14 -2.887 -28.840 1693.28584 15 -2.500 -23.345 17.99.60219 16 -2.026 -17.294 1823.64149 17 -6.863 -16.672 1834.35338 18 -12.748 -15.516 1883.31102 19 -19.345 -13.107 1982.78885 20 -27.434 -10.155 2163.22339 21 -26.678 -18.903 2020.74142 22 -26.383 -26.287 1947.55112 23 -26.384 -32.989 1922.89865 24 -26.634 -33.534 1939.96487 25 -19.531 -39.219 1812.26517 26 -13.485 -39.102 1735.76659	AZS/C AZN -14.3 6.9 -30.6 5.7 -0.8 2.4 -55.5 4.3 -70.9 6.4 -49.7 8.6 -0.8 2.4 100.6 1.2 -0.8 2.4 100.6 1.2 -171.0 7.4 -100.4 3.2 -171.0 7.4 -100.4 3.2 -36.5 12.2 -38.9 2.2 -38.9 4.2 -38.9 4.2 -38.9 25.2 -38.9 26.2 -38.9 26.2	SEC 10 7796.  A75UN -77.9 -79.7 -80.3 -81.3 -82.5 -81.8 -78.7 -75.6 -80.3 -77.6 -80.3 -83.1 -82.7 -83.0 -83.1 -82.7 -79.0 -83.3 -83.7 -79.0 -83.3 -83.7 -79.0	TAB NO  IMPACT 083  AZA 69-1 59-4 06-4 49-5 37-1 47-4 55-2 66-1 78-6 74-1 66-4 86-4 36-7 25-2 17-7 28-1 38-0 66-2 17-7 28-1 38-0 66-2 36-7 38-1 38-0 61-2 71-0 81-9	ALT 16/7.88654 A. 83.899.34 82.59950 79.27285 80.41182 82.25167 84.62553 88.24430 81.432/9 79.27285 76.54520 79.18299 80.93758 83.64492 79.18298 83.64492 93.90181 93.90181 94.2538 93.90181 94.2538 89.23791 88.75852 84.09529 84.09529	ATL  LA  -4.  B/A  0.998  0.971  0.929  0.800  0.984  0.998  0.984  0.988  0.984  0.698  0.698  0.753  0.757  0.754	AS PHOTO  I L 157 -34  ALPHAL -93.3 -90.2 -85.6 -85.2 -99.2 -99.2 -94.8 -90.2 -94.8 -90.2 -91.6 -80.9 -80.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.3 -90.9 -80.0 -90.9	NO NO UN .064  INCD 0 60.5 2 50.4 64.9 2 68.2 2 48.5 53.6 53.6 75.1 71.3 65.9 59.1 53.1 51.5 50.1	341. PHA2 1 47.6. 47.6. 47.8. 42.4 42.5 47.8. 53.2 53.3 53.2 53.3 53.2 53.2 53.3 37.2 38.3 48.6 37.2 38.3 48.6 58.5	R	PTH A73.467 116.  SCALE P. 0. 294.96552 235.88035 160.35776 169.41984 173.58326 193.967723 183.54010 171.41953 183.51819 166.43119 1205.47803 155.10845 167.755088 166.67051 183.69367 147.71622 181.55648 1207.25278 1281.95648 207.25278 181.81223 177.53980 215.341776 215.541776	Z .810 T-PT 1-2 2-3 3-4 4-5 6-7 8-9-10 1-12 2-13 3-14 4-15 1-12 2-13 3-14 4-15 1-12 2-13 3-14 4-15 1-12 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 3-14 3-14 3-14 3-14 3-14 3-14 3
JULY 31.196* 13 HR 12 MIN 32 S  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.796 -18.149 1834.05972 2 -13.026 -28.041 1737.96301 3 -7.744 -33.861 1684.81091 4 -7.471 -28.527 1699.93759 5 -7.182 -22.995 1747.52722 6 -12.862 -22.122 1789.15201 7 -17.164 -20.996 1873.77538 8 -19.160 -27.552 1815.39787 9 -19.287 -33.344 1776.34285 10 -13.234 -33.022 1721.02755 11 -7.744 -33.861 1684.81091 12 -3.493 -19.174 1692.0183 13 -3.214 -34.052 1678.36644 14 -2.887 -28.880 1693.225884 15 -2.500 -23.345 1739.60219 16 -2.026 -17.294 1823.66149 17 -6.863 -16.672 1834.353318 18 -12.748 -15.516 1883.31102 19 -19.341 -13.617 1982.78885 20 -27.434 -10.155 2165.2339 21 -26.678 18.963 2020.7414 22 -26.384 -32.999 1922.88865 24 -26.634 -39.534 1939.946887 25 -19.531 -39.514 1939.946887	AZS/C AZN -14.3 6.9 -30.6 5.7 -0.8 2.4 -55.5 4.3 -70.9 6.4 -49.7 8.6 -20.4 7.6 -0.8 2.4 100.6 1.2 -177.0 7.4 -100.4 3.2 -93.5 4.8 -77.0 7.6 -60.5 11.2 -48.0 16.3 -38.9 25. -28.4 18 -15.2 11.1 -0.2 3.1 -48.0 16.3 -38.9 25. -28.4 18 -38.9 25. -38.9 25. -39.9 26. -39.9 26. -39.9 26. -39.9 26. -39.9 26. -39.9 26. -39.9	SEC 10 776.  A7SUN 7779.7 -80.3 -81.3 -82.9 -81.5 -78.7 -75.6 -80.3 -81.5 -81.8 -78.6 -80.3 -82.7 -83.0 -81.5 -83.1 -82.7 -83.0 -83.1 -83.7 -90.3 -83.7 -90.3	IMPACT 0083 AZA 69.1 59.4 49.5 66.4 41.4 66.4 48.6 66.4 66.7 25.2 66.1 27.7 28.1 36.7 28.1 38.7 38.8 38.7	ALT 1677-88054 A: 83.89534 82.59550 79.27285 80.41182 82.25167 84.6253 88.24430 81.43279 79.27285 76.51516 76.64420 79.18299 80.93298 83.64495 87.836495 97.11158 99.22538 99.20181 90.85853 89.2379 88.75852 84.79529	ATL  LA, -4.  B/A  0.931  0.979  0.929  0.949  0.876  0.959  0.986  0.999  0.866  0.999  0.666  0.750  0.750  0.750  0.750	AS PHOTO  I L 157 -34  AZPHAZ -93.3 -90.2 -85.6 -85.2 -99.2 -94.8 -99.7 -99.2 -94.8 -80.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2 -91.8 -80.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3	NO NO UN .064  INCD 0 60.5 2 50.4 64.9 2 68.2 2 48.5 53.6 53.6 75.1 71.3 65.9 59.1 53.1 51.5 50.1	444 341. PHA2 1 47.6. 47.8. 47.8. 42.4. 42.4. 42.5. 42.5. 43.1. 33.2. 53.2. 53.2. 53.3. 31.2. 33.2. 34.3. 48.6. 37.2. 38.3. 48.6. 58.5	R V 3.342 2.015 EMIS ALPHA  EMIS ALPHA  21.3 11.2 21.4 21.3 11.2 21.4 21.3 12.2 21.3 0.6 13.0 11.3 22.0 9.4 28.9 22.7 38.0 21.6 29.8 -2.3 38.0 21.6 21.0 10.4 -10.4 1.9 -0.1 10.9 -0.1 10.9 -0.1 10.9 34.1 33.9 38.8 34.8 58.2 34.9 44.2 5.3 44.2 -7.3 44.2 5.3 42.2 -7.3 31.6 -13.6 -13.8	PTH A73.467 116. SCALE P. 0. 294.96552 235.88035 160.45776 169.41984 173.58326 193.96723 183.54010 171.41953 183.51819 166.43119 1205.47803 155.10845 167.75648 1207.25278 181.55648 1207.25278 181.55648 1207.25278 181.55648 1207.25278 181.55648 1207.25278 181.55648 1207.25278 181.55648 1207.25278 181.5548 181.81223 177.53980 1215.34171 183.17176 165.88346	Z .810 T-PT 1-2 2-3 3-4 4-5 6-7 8-9-10 1-12 2-13 3-14 4-15 1-12 2-13 3-14 4-15 1-12 2-13 3-14 4-15 1-12 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 2-13 3-14 3-14 3-14 3-14 3-14 3-14 3-14 3

RA-VII	CAMERA	FA	

														23
JULY 31,1964 13	HR 12 MIN 37	SEC 83	7 MS		TAB NO	45	ATI	LAS PHOT	O NO	45		POD	SEQUENCE N	10 96
TRAJECTURY DATA				SEC TO	ІМРАСТ • 963	ALT	ĻA		. GN		R	v	РТН	AZ
PHOTO DATA					• 903	1667.9909	4 -4.	119 -34	.019	34	03.44	5 2.017	-73.433 1	16.804
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A •	R/A	AZPHAZ	INCD	DL AZ	E M 1 C	AL DULA	55415	
1 -11.786 -18.1	8 1823.38963		6.9	-77.9	69.0	83.41557	0.898	-93.3	70.0	38.7	34 0	30.4	SCALE 0.	PT-PT 0- 1
2 -13.023 -27.9	8 1728.05472		5.7		59.2	82.12462	0.931	-90.2	60.6	47.6	21.4	11.3	292.90199	
	7 1674.96248		2.5		66.2	78.81581	0.999	-85.6	54.2	53.2	7.3	0.7	234.57243	
4 -7.499 -28.4 5 -7.211 -22.8	3 1690.18301	-55.5	4.3		49.5	79.95034	0.979	-85.2	59.4	47.8	13.1	11.4	159.44558	
	1 1737.60680 2 1779.06459		6.0		37-1	81.78455	0.929	-84.7			23.0	22.4	168.48188	
7 -19.125 -20.9	3 1863.15504	-49.7 -36.6	8.6		47 4	84.14837	0.880		66.3	42.2	28.9	22.7	172.61670	
	2 1805.00397		12.2		55.1 66.0	87.74419	0.796	-95.7	68.2	42.5	37.9	21.6	192.84612	
9 ~19.245 -33.2	9 1785-84486	-0.4	3.0	-75.7	78.4	85.38095 84.05281	0.852	-95.2	62.3	47.9	32.0	9.4	182.52741	
10 ~13.229 -33.5	7 1711.61900	-0.6	2.6	-17.7	73.9	80.95938	0.010	-94.8 -90.2	55.3	53.3 53.0	29.7	-2.2	170.45109	
11 -7.771 -33.7	7 1674.96248	-1.4	2.5		66.2	78.81581	0.999	-85.6	54.2	53.2	7 3	0.1 0.7	182.42554	
12 -3.546 -39.0	9 1681.77631	100.3	1.3	-82.6	85.7	76.02236			48.6	58.9	10.3	-10.3	165.47241	
13 -3.267 -33.9	8 1668.44087	-174.4	2.4	-83.0	56.2	76.18861	0.980	-81.6	53.6	53.7	1.9	-0.1	154.15669	
14 -2.942 -28.7 15 -2.556 -23.3	6 1683.44926		3.4	-83.1	36.8	78.72279	0.998	-80.9		48.4		10.3	157.04829	13-14
	1 1729.59639		4.2	-82.9	25.3	80.46664			64.2	43.1	21.6	21.0	165.73376	14-15
	5 1813.15065 3 1823.94640	-93.4	4.8	-82.3	17.8	83.16308			70.2	38.0	32.9	32.1	182.63530	
	3 1872.68846	-76.9 -60.5	7.6 11.4	-82.5	28.2	84.63431			71.1	37.2	34.1	33.8	146.88245	16-17
	8 1971.49147	-48.0	16.8	-83.3 -85.4	38.1 46.0	87.33913			72.6	36.8		34.8	180.54523	
	4 2150.30032	-39-0	25.6	-90.3	52.4	91.58696	0.700	-96.3	75.1	37.2	46.8	34.8	206.02302	
21 =26 Full =18 U	7 2008.95773	-28.4	18.3	-83.8	61.1	98.63291 93.35417	0.548	-102.2	79-1	38.2	58.1			
22 -26.297 -26.29	4 1936.13625	-15.3	11.1	-79.1	70.9	90.32569	0.000	-101.1	11.3	43.3	49.4	18.9	237.06009	
23 -26.296 -32.96	1 1911.38840	-0.3	3.7	-74.8	81.8	88.70325			59.2	52 B	47.1	5.4 -7.1	197.52249	
24 -26.540 -39.40	0 1927.93405	14.8	-3.9	-70.4	3.3	88.20353			53.8	59.0	43.5	-19.2	180.76724	
25 -19.486 -39.09	6 1801.34531	19.9	-1.8	-72.2	2.1	83.58831		-94.4	51.6	58.5	31.6	-13.6	213.82739	
26 -13.477 - 38.98 27 -8.033 - 38.98	5 1726.38489	29.9	-0.5	-75.2	0.8	80.52579			50.2	58.4	21.1		182.03631	
	7 1689.00282 9 1681.77631	54.5	0.5	-79.0	89.2	78.47311			49.2	58.5	12.7	-9.8	164.89810	
20 31340 -3910	3 1091-11031	100.3	1.3	-82.6	85.7	76.02236	0.983	-82.2	48.6	58.9	10.3	-10.3	135.94570	27-28
IIII V 31 10// 12				-	TAB NO	40				40				_
				,	יאט וויט	46	AILA	AS PHOTO	NO	46		POD S	EOUFNOF NO	3 92
	HR 12 MIN 42	SEC 956	MS		140	46	AILA	AS PHUIU	NO	46		POD S	EQUENCE NO	98
FRAJECTORY DATA	HR 12 MIN 42	SEC 956		SEC TO	IMPACT	46 ALT	A I LA		DN O	46	R	POD S	•	
FRAJECTORY DATA	HR 12 MIN 42	SEC 956			IMPACT		LA		ON		R 93.542	v	PTH	A.7
FRAJECTORY DATA				SEC 10 785.	ІМРАС Г 843	ALT 1658.08704	LA1	T L 202 -33	0N •975	339	3.542	v 2.019	•	A.7
FRAJECTURY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	SEC 10 785.	IMPACI 843 AZA	ALT 1658.08704	LA1 4 -4.2 B/A	T L 202 -33 Azphaz	ON •975 INCD	339 PHAZ	93.542 EMIS	V 2.019 AL PHA	PTH	A.7
FRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.777 -18.16	RANGE 6 1812.70903	AZS/C -14.6	AZN 6.9	SEC 10 785. AZSUN -78.0	IMPACI 843 AZA 68.8	ALT 1658.08704 A* 82.93532	LA1 4 -4.2 B/A 0.898	T L 202 -33 AZPHAZ -93.3	ON .975 INCO 69.9	339 PHAZ 38.7	93.542 EMIS 34.0	V 2.019 ALPHA 30.4	PTH -73.400 1: SCALE 0.	AZ 16.799 PI-PT 0- 1
FRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -11.777 -18.18 2 -13.020 -27.93	RANGE 6 1812.70903 6 1718.13620	AZS/C -14.6 -30.9	AZN 6.9 5.7	SEC 10 785. AZSUN -78.0 -79.7	IMPACI 843 AZA 68.8 59.1	ALT 1658.08704 A* 82.93532 81.65325	E/A B/A 0.898 0.931	T L 202 -33 AZPHAZ -93.3 -90.2	ON .975 INCD 69.9 60.6	339 PHAZ 38.7 47.6	EMIS 34.0 21.4	V 2.019 ALPHA 30.4 11.3	PTH -73.400 1: SCALE 0. 290.83817	AZ 16.799 PI-PT 0- 1 1- 2
FRAJECTURY DATA PHOTO DATA PT LAT LON 1 -11.777 -18.10 2 -13.020 -27.93 3 -7.797 -33.66 4 -7.528 -28.41	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936	AZS/C -14.6	AZN 6.9 5.7 2.5	SEC 10 785. AZSUN -78.0 -79.7 -80.3	IMPACT 843 AZA 68.8 59.1 65.9	ALT 1658.08704 A* 82.93532 81.65325 78.35854	EA1 6 -4.2 B/A 0.898 0.931 0.999	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6	ON .975 INCO 69.9 60.6 54.3	339 PHAZ 38.7 47.6 53.2	EMIS 34.0 21.4 7.4	V 2.019 ALPHA 30.4 11.3 0.8	PTH -73.400 1 SCALE 0. 290.83817 233.26295	AZ 16.799 PT-PT 0- 1 1- 2 2- 3
FRAJECTGRY DATA PHOTO DATA PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.93 3 -7.797 -33.66 4 -7.524 -28.41 5 -7.241 -22.86	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581	AZS/C -14.6 -30.9 -2.0	AZN 6.9 5.7 2.5 4.3	SEC 10 785. AZSUN -78.0 -79.7	IMPACT 843 AZA 68.8 59.1 65.9 49.4	ALT 1658.08704 A* 82.93532 81.65325 78.35854 79.48843	EAT 6 -4.2 B/A 0.898 0.931 0.999 0.978	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2	ON .975 INCO 69.9 60.6 54.3 59.5	339 PHAZ 38.7 47.6 53.2 47.8	EMIS 34.0 21.4 7.4 13.1	V 2.019 ALPHA 30.4 11.3 0.8 11.4	PTH -73.400 1 SCALE 0. 290.83817 233.26295 158.53266	AZ 16.799 PT-PT 0- 1 1- 2 2- 3 3- 4
PHOTO DATA PHOTO DATA PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.9; 3 -7.797 -33.66 4 -7.528 -28.4; 5 -7.241 -22.84 6 -12.858 -22.08	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481	AZS/C -14.6 -30.9 -2.0 -55.5	AZN 6.9 5.7 2.5	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3	IMPACT 843 AZA 68.8 59.1 65.9 49.4 37.2 47.4	ALT 1658.08704 A* 82.93532 81.65325 78.35854 79.48843 81.31694	EA1 8/A 0.898 0.931 0.999 0.978	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7	ON .975 INCO 69.9 60.6 54.3 59.5 65.0	339 PHAZ 38.7 47.6 53.2 47.8 42.4	EMIS 34.0 21.4 7.4 13.1 23.0	V 2.019 ALPHA 30.4 11.3 0.8 11.4 22.4	PTH -73.400 1 SCALE 0. 290.83817 233.26295 158.53266 167.54276	AZ 16.799 PT-PT 0- 1 1- 2 2- 3 3- 4
PHOTO DATA PHOTO DATA PT LAT LON 1 -11.777 -18.16 2 -13.02 -27.97 3 -7.797 -33.6 4 -7.528 -28.4 5 -7.241 -22.84 6 -12.858 -22.01 7 -19.086 -20.01	RANGE 6 1812-70903 6 1718-13620 3 1665-10707 9 1680-41936 8 1727-67581 2 1768-96481 0 1852-52245	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7	AZN 6.9 5.7 2.5 4.3 6.0 8.6	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -82.0 -81.5	IMPACT 843 AZA 68.8 59.1 65.9 49.4 37.2 47.4 55.1	ALT 1658.08704 A* 82.93532 81.65325 78.35854 79.48843	EA1 -4.2 B/A 0.898 0.931 0.999 0.978 0.929 0.879	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2	ON .975 INCO 69.9 60.6 54.3 59.5 65.0 66.3	339 PHAZ 38.7 47.6 53.2 47.8 42.4	EMIS 34.0 21.4 7.4 13.1 23.0 28.9	V 2.019 ALPHA 30.4 11.3 0.8 11.4 22.4 22.7	PTH -73.400 1 SCALE 0. 290.83817 233.26295 158.53266 167.54276 171.64892	AZ 16.799 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DATA PHOTO DATA PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.97 3 -7.797 -33.67 4 -7.528 -28.47 5 -7.241 -22.84 6 -12.859 -22.00 7 -19.086 -20.91 8 -19.082 -27.22	RANGE 6 1812.70903 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481 0 1852.52245 2 1794.5953	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6	AZN 6.9 5.7 2.5 4.3 6.0 8.6 12.2 7.7	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8	IMPACT 843 AZA 68.8 59.1 65.9 49.4 37.2 47.4 55.1 65.8	ALT 1658.08704 A* 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065	B/A 0.898 0.931 0.999 0.978 0.929 0.879	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2	ON .975 INCO 69.9 60.6 54.3 59.5 65.0 66.3 68.3	339 PHAZ 38.7 47.6 53.2 47.8 42.4 42.2 42.5	EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9	V 2.019 ALPHA 30.4 11.3 0.8 11.4 22.4 22.7 21.6	PTH -73.400 1 SCALE 0. 290.83817 233.26295 158.53266 167.54276 171.64892 191.72362	AZ 16.799 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DATA PHOTO DATA PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.99 3 -7.797 -33.6 4 -7.528 -28.4 5 -7.241 -22.8 6 -12.858 -22.08 7 -19.086 -20.9 8 -19.082 -27.22 9 -19.204 -33.11	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481 0 1852.52245 2 1794.5995 4 1775.33893	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -20.6	AZN 6.9 5.7 2.5 4.3 6.0 8.6 12.2 7.7 3.0	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -78.8	1MPACT 843 AZA 68-8 59-1 65-9 49-4 37-2 47-4 55-1 678-2	ALT 1658.08704 A* 82.93532 81.65325 78.35854 79.48843 81.31694 87.24350 84.88873 83.55816	B/A 0.898 0.931 0.999 0.978 0.929 0.879 0.796 0.852 0.852	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7	ON .975 INCD 69.9 60.6 54.3 59.5 65.0 66.3 68.3	339 PHAZ 38.7 47.6 53.2 47.8 42.4	EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9 32.0	V 2.019 ALPHA 30.4 11.3 0.8 11.4 22.4 22.7 21.6 9.5	PTH -73.400 1. SCALE 0. 290.83817 233.26295 158.3266 167.54276 171.64892 191.72362	AZ 16.799 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6- 7 7- 8
TRAJECTGRY UATA  PHOTO DATA PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.9; 3 -7.797 -33.69 4 -7.528 -28.41 5 -7.241 -22.86 6 -12.858 -22.00 7 -19.082 -27.25 9 -19.204 -33.16 10 -13.224 -33.24	RANGE 6 1812-77903 6 1718-13620 3 1665-10707 9 1680-4138 2 1768-96481 0 1852-52245 2 1794-59953 4 1775-33893 3 1701-60246	AZS/C -14-6 -30-9 -2-0 -55-5 -70-8 -49-7 -36-6 -20-6 -0-5	AZN 6.9 5.7 2.5 4.3 6.0 8.6 12.2 7.7 3.0 2.7	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -82.5 -81.8 -78.8 -778.8	IMPACT 843 AZA 68.8 59.1 65.9 49.4 37.2 47.4 55.1 65.8 78.2 73.7	ALT 1658-08704 A• 82-93532 81-65325 78-35854 79-48843 81-31694 83-67065 87-24350 84-88873 83-65816 80-48559	LAN -4.2 B/A 0.898 0.991 0.999 0.929 0.879 0.879 0.877 0.857	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2	ON .975 INCO 69.9 60.6 54.3 59.5 65.0 66.3 68.3 62.4 56.9	339 PHAZ 38.7 47.6 53.2 47.8 42.4 42.5 47.9	EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9 32.0 29.7	V 2.019 ALPHA 30.4 11.3 0.8 11.4 22.4 22.7 21.6	PTH -73.400 1 SCALE 09.83817 233.26295 158.53266 167.54276 171.64892 191.72362 181.51324	AZ 16.799 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9
PHOTO DATA PHOTO DATA PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.93 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.86 6 -12.855 -22.06 7 -19.086 -20.91 8 -19.082 -27.22 9 -19.204 -33.11 10 -13.224 -33.45	RANGE 6 1812-70903 6 1718-13620 3 1665-10707 9 1680-41936 8 1727-67581 2 1768-96481 0 1852-52245 2 1794-59953 3 1701-60246 3 1665-10707	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -20.6 -0.5 -0.8	AZN 6.9 5.7 2.5 4.3 8.6 12.2 7.7 3.0 2.7	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -75.8 -75.8	AZA 68-8 59-1 65-9 49-4 37-2 455-1 65-8 78-2 73-7	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 84.88873 83.55816 80.48559	B/A 0.898 0.931 0.999 0.978 0.979 0.879 0.852 0.877 0.954 0.959	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2	ON .975 INCO 69.9 60.6 54.3 59.5 65.0 66.3 68.3 62.4 56.9 55.4 54.3	339 PHAZ 38.7 47.6 53.2 47.8 42.4 42.5 47.9 53.0 53.2	93.542 EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9 32.0 29.7 18.3 7.4	V 2.019 ALPHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 -2.1 0.8	PTH -73.400 1. SCALE 0. 290.83817 233.26295 158.3266 167.54276 171.64892 191.72362	AZ 16.799 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
PHOTO DATA  PHOTO DATA  PT LAT LON  1 -11.777 -18.16  2 -13.020 -27.99  3 -7.797 -33.66  4 -7.528 -28.41  5 -7.241 -22.06  6 -12.858 -22.00  7 -19.086 -20.91  8 -19.082 -27.25  9 -19.204 -33.11  10 -13.224 -33.45  11 -7.797 -33.66  12 -3.598 -38.98	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481 2 1794.59953 4 1775.33893 3 1701.60246 3 1665.10707	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -20.6 -0.5 -0.8 -2.0	AZN 6.9 5.7 2.5 4.3 6.0 8.6 12.2 7.7 3.0 2.75	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -81.5 -81.8 -75.8 -77.7 -80.3	IMPACT 843 AZA 68-8 59-1 65-9 437-2 47-4 55-1 65-8 78-2 73-7 85-0	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 84.88873 83.55816 80.48559 78.35854	B/A 0.898 0.999 0.978 0.929 0.978 0.929 0.852 0.852 0.877 0.954 0.999 0.983	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.7 -95.2 -94.8 -90.2 -85.2	ON .975 INCO 69.9 60.6 54.3 59.5 65.0 66.3 62.4 56.9 55.4 348.7	339 PHAZ 38.7 47.6 53.2 47.8 42.4 42.5 47.9 53.3 53.0 53.0 53.0 53.9	93.542 EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9 32.0 29.7 18.3 7.4	V 2.019  AL PHA 30.4 11.4 22.4 22.7 21.6 9.5 -2.1 0.2 0.8	PTH -73.400 1: SCALE 290.83817 233.26295 158.53266 167.54276 171.64892 191.72362 181.51324 169.48179	AZ 16.799 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.97 3 -7.797 -33.66 4 -7.52d -28.41 5 -7.241 -22.86 6 -12.855 -22.06 7 -19.086 -20.91 8 -19.020 -27.22 9 -19.204 -33.1 10 -13.224 -33.42 11 -7.797 -33.66 12 -3.598 -8.94 13 -3.598 -8.94	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481 0 1852.52245 2 1794.59953 4 1775.33893 3 1711.60246 3 1665.10707 3 1671.51328	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -0.5 -0.8 -2.0 100.1 171.8	AZN 6.9 5.7 2.3 6.0 8.6 12.7 3.0 2.7 2.5 1.3	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -75.8 -75.8 -75.7 -80.3 -82.9	IMPACT 843 AZA 68-8 59-1 65-9 49-4 47-4 55-1 65-2 73-7 65-9 85-0 56-1	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 84.88873 83.95816 80.48559 78.35854 75.73303	B/A 0.898 0.991 0.999 0.978 0.929 0.879 0.879 0.857 0.954 0.999 0.989	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2	ON .975 INCO 69.9 60.6 54.3 55.4 56.9 55.4 54.3 48.7	339 PHAZ 38.7 47.6 53.2 42.4 42.2 42.5 53.3 53.0 53.2 53.2 53.2	93.542 EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9 32.0 29.7 18.3 7.4	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.4 22.7 21.6 -2.1 0.2 0.2	PTH -73.400 1. SCALE 0. 290.83817 233.26295 158.33266 167.54276 171.64892 191.72362 181.51324 169.68179 181.33215 164.51258 203.00296	AZ 16.799 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13
PHOTO DATA  PHOTO DATA  PT LAT LON  1 -11.777 -18.16  2 -13.020 -27.99  3 -7.797 -33.69  4 -7.528 -28.41  5 -7.241 -22.89  6 -12.858 -22.00  7 -19.086 -20.91  8 -19.082 -27.22  9 -19.204 -33.11  10 -13.224 -33.49  11 -7.797 -33.69  12 -3.598 -88.94  13 -3.320 -33.88  14 -2.996 -28.73	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481 1775.3933 3 1701.60246 3 1665.10707 3 1671.51328 4 1658.51157 1 1673.60509	AZS/C -14.6 -30.9 -2.0 -70.8 -49.7 -36.6 -0.5 -0.8 -2.0 100.1 -171.8	AZN 6.9 5.7 2.5 4.3 6.0 8.6 12.2 7.7 2.5 1.3 2.4	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -75.8 -77.7 -82.6 -82.9	1MPACT 843 AZA 68-8 59-1 65-9 49-4 37-2 47-4 65-8 78-2 78-2 78-7 85-0 36-8	ALT 1658.08704 A• 82.93532 81.65325 78.35854 81.31694 83.67065 87.24350 84.88873 83.55816 80.48559 78.35854 75.73303 78.26225	B/A 0.898 0.999 0.978 0.929 0.879 0.852 0.852 0.874 0.999 0.983 0.980	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -90.2 -94.8 -90.2 -82.6 -82.2 -81.6	ON .975 INCO 69.9 60.6 54.3 59.5 65.0 66.3 68.3 62.4 54.3 48.7 58.8	335 PHAZ 38.7 47.6 53.2 42.4 42.2 42.5 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53	33.542 EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9 32.0 29.7 18.3 7.4 10.2 1.8	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 -2.1 0.8 -10.2 0.0	PTH -73.400 1: SCALE 0.290.83817 233.26295 158.33266 167.54276 171.64892 191.72362 181.51324 169.48179 181.33215 164.51258 203.00296 153.20529 156.13786	AZ 16.799 PI-PT 0-1 1-22-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13
PHOTO DATA  PHOTO DATA  PT LAT LON  1 -11.777 -18.16  2 -13.020 -27.99  3 -7.797 -33.66  4 -7.528 -28.41  5 -7.241 -22.86  6 -12.858 -22.08  7 -19.086 -20.91  8 -19.082 -27.22  9 -19.204 -33.11  10 -13.224 -33.45  11 -7.797 -33.66  12 -3.598 -38.94  13 -3.320 -33.88  14 -2.996 -28.72  15 -2.612 -23.25	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481 0 1852.52245 2 1794.59953 4 1775.33893 3 1711.60246 3 1665.10707 3 1671.51328	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -0.5 -0.8 -2.0 100.1 171.8	AZN 6.9 5.75 4.3 6.0 82.2 7.7 3.0 2.75 1.3 2.4 4.2	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -81.3 -81.6 -78.8 -77.7 -80.3 -81.6 -75.8 -77.7 -80.3 -82.9	AZA 68.8 59.1 65.9 49.4 37.2 47.2 55.1 65.8 73.7 65.9 56.1 36.8	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 86.48873 83.55816 80.48559 78.35854 75.73303 78.26225	LAN -4.: B/A 0.898 0.931 0.999 0.788 0.929 0.879 0.852 0.877 0.999 0.983 0.980 0.988	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -94.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.9 -80.9	ON .975 INCO 69.9 60.6 54.3 59.5 65.0 66.3 62.4 56.9 55.4 54.7 53.7 58.8	339 PHAZ 38-7 47-8 47-8 42-2 47-9 53-2 53-2 53-2 53-7 443-1	93.542 EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.0 29.7 18.3 7.4 10.2 1.8 10.9 21.7	V 2.019 ALPHA 30.4 11.3 0.8 11.4 22.4 22.7 21.6 9.5 -2.1 0.2 0.0 10.4	PTH -73.400 1. SCALE 0. 290.83817 233.26295 158.53266 167.54276 171.64892 191.72362 169.48179 181.33215 164.51258 203.00296 153.20529 156.13786 164.79601	AZ 16.799 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
PHOTO DATA PHOTO DATA PT LAT LON 1 -11.777 -18.14 2 -13.020 -27.99 3 -7.797 -33.69 4 -7.528 -28.41 5 -7.241 -22.84 6 -12.858 -22.00 7 -19.086 -20.91 8 -19.080 -33.11 0 -13.224 -33.49 11 -7.797 -33.69 11 -7.797 -33.69 13 -3.598 -88.94 13 -3.598 -88.94 15 -2.996 -28.73 15 -2.612 -23.26	RANGE 6 1812,70903 6 1718:13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481 0 1852.52245 2 1794.59953 4 1775.33893 3 1701.60246 3 1665.10707 3 1671.13128 4 1658.51157 1 1673.60509 7 1719.58170 6 1802.65036 5 1813.52808	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -20.6 -20.6 -0.8 -2.0 100.1 171.8 -94.9	AZN 6.9 5.7 2.5 4.3 6.0 8.6 12.2 7.7 2.5 1.3 2.4	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -75.8 -77.7 -82.6 -82.9	AZA 68.8 59.1 65.9 49.4 37.2 455.1 65.8 78.7 65.9 56.1 36.8 25.5	ALT 1658.08704 A• 82.93532 81.65325 79.48843 81.31694 83.67065 87.24350 84.88873 83.55816 80.48559 78.35854 75.53017 77.3307 78.26225 80.00029 82.68079	B/A 0.898 0.993 0.997 0.978 0.929 0.879 0.879 0.879 0.875 0.875 0.975 0.980 0.980 0.988	T L 202 -33  AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -95.2 -95.6 -82.2 -95.6 -82.2 -81.6 -80.9 -80.0 -79.0	ON .975 INC D 60.6 54.3 59.5 65.0 66.3 68.4 955.4 54.3 753.7 58.8 64.3 70.2	339 PHAZ 47.6 53.2 47.8 42.2 42.5 53.0 53.0 53.2 53.7 48.4 43.1	33.542 EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9 32.0 29.7 18.3 10.2 1.8 10.2	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.4 21.6 9.5 -2.1 0.2 0.8 -10.2 0.0 10.4 21.0	PTH -73-400 1 SCALE 0. 290.83817 233.26295 158.3266 167.54276 171.64892 191.72362 181.51324 169.6817 169.51258 203.00296 153.20529 1561.3786 164.79601 181.57595	AZ 16.799 PI-PT 0-11-22-33-44-55-66-77-89-9-10-111-12-1313-14-15-15-16-15-16-16-16-16-16-16-16-16-16-16-16-16-16-
PHOTO DATA PHOTO DATA PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.99 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.88 6 -12.859 -22.00 7 -19.086 -20.91 8 -19.082 -27.22 9 -19.204 -33.11 10 -13.224 -33.42 11 -7.797 -33.66 12 -3.598 -38.94 13 -3.220 -33.88 14 -2.996 -28.72 15 -2.612 -23.25 16 -2.144 -17.31 17 -6.926 -16.65	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96481 0 1652.52245 2 1794.59953 3 1701.60246 4 1775.33893 3 1665.10707 3 1671.51328 4 1658.51157 1 1673.60509 7 1719.58170 5 1802.65036 5 1803.52808	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -20.6 -0.5 -0.8 -2.0 100.1 -171.8 -94.9 -94.9 -94.9 -94.9	AZN 6.97 2.5 4.3 6.6 12.2 7.7 2.7 2.7 2.5 1.3 4.4 4.9	SEC 10 785. AZSUN -78.0. -79.7 -80.3 -81.3 -82.0 -81.5 -81.8 -75.8 -75.8 -75.8 -77.7 -80.3 -82.6 -82.9	1MPACT 843 AZA 68-8 59-1 49-4 47-4 55-1 65-8 78-2 73-7 85-0 136-8 25-5 18-0	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 87.24350 87.55816 80.48559 78.35854 75.73303 78.26225 80.00029 82.68079 84.15056	B/A 0.898 0.999 0.978 0.929 0.852 0.852 0.857 0.999 0.999 0.999 0.998 0.998 0.998 0.908 0.868	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0	ON .975 INCO 69.9 60.6 54.3 65.0 66.3 62.4 56.9 55.3 48.7 58.8 64.3 70.0	339 PHAZ 38.7 47.6 53.2 47.8 42.4 42.5 47.9 53.0 53.0 53.0 53.0 48.4 43.0 37.2	33.542 EMIS 21.4 7.4 13.1 23.0 37.9 32.0 29.7 18.3 10.2 1.8 10.9 21.7 32.9 34.0	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 -2.1 0.2 0.0 10.4 21.0 32.1	PTH -73.400 1 SCALE 0. 290.83817 233.26295 158.32266 167.54276 181.5324 169.48179 181.33215 164.51258 203.00296 153.20529 156.13786 164.79601 181.57595	AZ 16.799 PI-PI 0-11 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
PHOTO DATA PHOTO DATA PT LAY LON 1 -11.777 -18.18 2 -13.020 -27.99 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.88 6 -12.858 -22.00 7 -19.086 -20.91 8 -19.026 -33.11 0 -13.224 -33.42 11 -7.797 -33.68 12 -3.598 -38.98 13 -3.320 -33.88 14 -2.996 -28.73 15 -2.612 -23.28 16 -2.144 -17.31 17 -6.926 -16.68 18 -12.745 -15.55	RANGE 6 1812,70903 6 1718.13620 3 1665.10707 1680.41936 8 1772.67581 2 1764.96481 0 1852.52245 2 1794.59953 4 1775.33893 3 1701.60246 3 1665.10707 3 1671.51328 4 1658.51157 1 1673.60509 7 1719.58170 5 1803.52808 1 1802.65303 1 1802.65303 1 1802.6531 1 1802.6531 1 1802.6531 1 1802.6531 1 1802.6531 1 1802.6531	AZS/C -14.6 -30.9 -2.0 -5-70.8 -49.7 -36.6 -20.6 -20.6 -20.1 100.1 -171.8 -94.6 -94.9 -93.3 -76.9 -60.4	AZN 6.9 5.7 2.5 6.0 8.62 7.7 3.07 2.5 1.3 4.9 7.6 11.4	SEC 10 765. AZSUN -78.7 -80.3 -81.3 -82.0 -81.5 -71.7 -80.3 -75.8 -77.7 -82.6 -82.9 -83.0 -82.9 -82.9	1MPAC I 843 AZA 68-8 59-1 65-9 49-4 37-2 455-1 65-8 73-7 85-0 136-8 25-5 128-3 38-1	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 80.48559 78.35854 60.48559 78.35854 75.53017 75.73303 77.73303 78.68079 82.68079 82.68079 84.15056 86.84311	B/A 0.898 0.939 0.978 0.929 0.852 0.852 0.852 0.852 0.852 0.858 0.954 0.998 0.989 0.988 0.	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.9 -80.0 -79.0 -2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2	ON .975 INC D 60.6 54.3 56.9 55.4 56.9 55.4 753.7 58.8 70.2 71.0 6	339 PHAZ 7 47.6 53.2 47.6 42.4 42.5 53.3 53.0 53.0 53.0 53.0 53.0 53.0 53	33.542 EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.9 32.0 18.3 7.4 10.2 1.8 10.9 21.7 32.9 33.0 34.0 34.0 35.0 36.0 36.0 37.9 3	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 0.2 0.0 10.4 21.0 32.1 33.8	PTH -73-400 1 SCALE 0. 290.83817 233.26295 158.33266 167.54276 171.64892 191.72362 181.33215 164.5125 203.00296 153.20529 153.20529 153.1786 164.79601 181.57595	AZ 16.799 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.777 -18.16  2 -13.020 -27.93  3 -7.797 -33.66  4 -7.52a -28.41  5 -7.241 -22.84  6 -12.858 -22.06  7 -19.086 -20.91  8 -19.082 -27.22  9 -19.204 -33.11  10 -13.224 -33.41  11 -7.797 -33.66  12 -3.598 -88.94  13 -3.598 -88.94  13 -3.598 -88.94  15 -2.61  16 -2.144 -17.31  15 -2.61  16 -2.144 -17.31  17 -6.926 -16.66  18 -12.745 -15.55  19 -19.263 -13.68	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1768.96641 0 1852.52245 2 1794.59953 3 1701.60246 4 1775.33893 3 1701.60246 4 1658.51157 1 1673.60569 7 1719.58170 5 1802.65036 1813.52808 1 1862.65510 1 1862.65510	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -0.5 -0.5 -0.100.1 -171.8 -94.9 -93.3 -76.9 -60.4 -48.0	AZN 6.9 5.7 2.5 4.0 8.6 12.7 3.0 2.7 3.0 2.5 1.3 2.4 4.9 11.4 16.8	SEC 10 765. AZSUN -78.0 -79.7 -80.3 -81.3 -81.5 -81.8 -75.8 -75.8 -77.7 -80.3 -82.6 -82.6 -82.9 -82.3 -82.3 -82.3	IMPACT 843 AZA 68-8 65-9 437-2 47-4 65-8 78-7 65-8 73-7 65-9 36-1 36-5 18-0 38-1 46-0 38-1	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 87.24350 87.24350 87.24350 87.24350 87.53017 75.33017 75.733017 75.733017 76.35854 75.53017 75.73017 76.35854 75.600029 82.68079 84.15056 86.84311 91.06176 98.04019	B/A 0.898 0.991 0.999 0.979 0.929 0.852 0.852 0.852 0.983 0.980 0.998 0.988 0.988 0.988 0.989 0.985 0.985 0.985 0.970 0.00 0.0	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -95.2 -95.8 -90.2 -84.2 -90.2 -86.3 -90.2 -96.3 -90.3	ON .975 INCO 69.9 60.6 59.5 65.0 66.3 62.4 54.3 758.8 64.3 71.0 72.0	339 PHAZ7 47.6 53.2 47.6 42.4 42.5 53.0 53.0 53.0 53.0 53.0 53.0 53.0 37.9 37.9	33.542 EMIS 34.0 21.4 7.4 13.1 23.0 28.9 37.0 29.7 18.3 7.4 10.2 1.8 10.9 32.9 34.0 34.0 34.0 34.0 34.0 34.0 34.0 34.0	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 -2.1 0.2 0.0 10.4 21.0 32.1 33.8 34.8	PTH -73.400 1 SCALE 0. 290.83817 233.26295 158.93266 167.54276 171.64892 191.72362 169.48179 181.33215 164.51258 203.00296 153.20529 156.1376 164.79601 181.57595 146.04785 179.53222 204.79267	AZ 16.799 PI-PT 0- 1 1- 2 2- 3 3- 4- 5 5- 6 7 7- 8 8- 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.99 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.88 6 -12.858 -22.06 7 -19.086 -20.91 8 -19.082 -27.22 9 -19.204 -33.16 10 -13.224 -33.68 11 -7.797 -33.69 12 -3.598 -38.98 14 -2.996 -28.72 15 -2.612 -23.29 16 -2.144 -7.31 17 -6.926 -16.66 18 -12.745 -15.55 19 -19.265 -13.68 20 -27.243 -10.29 21 -26.503 -18.69	RANGE 6 1812,70903 6 1718,13620 7 1680,41936 8 1776,67581 1776,67581 2 1776,57581 2 1794,5953 4 1775,33893 1 7101,60246 3 1665,10707 1 1673,60509 7 1719,58170 1 1673,60509 7 1719,58170 1 1602,65036 1 1802,65036 1 1802,65036 1 1802,65036 1 1802,75310 1 1900,18146 4 2137,37207	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -20.6 -0.5 -0.8 -2.0 100-1 -171.8 -94.9 -93.3 -76.9 -60.4 -60.5	AZN 6.9 5.7 2.53 6.0 8.2 7.7 3.7 2.53 2.4 4.9 71.4 16.8 25.5 3	SEC 10 785. AZSUN -78.0 -79.7 -80.3 -81.3 -81.3 -81.5 -81.8 -75.8 -77.7 -80.3 -82.6 -82.9 -82.9 -82.9 -82.9 -82.3 -83.3 -83.3	1MPAC I 843 AZA 68-8 59-1 65-9 49-4 37-2 47-4 55-1 65-8 73-7 85-0 28-0 28-3 38-1 52-3 28-3 38-1 52-3 28-3	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 83.55816 80.48559 78.35850 77.73303 78.26225 80.00029 82.68079 84.15056 86.84311 91.06176 98.04019 92.80609	B/A 0.898 0.939 0.999 0.978 0.929 0.852 0.877 0.999 0.985 0.980 0.986 0.986 0.986 0.986 0.987 0.980	T L 202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -95.7 -95.6 -85.6 -80.9 -80.0 -79.0 -84.2 -90.2 -90.2 -96.3 -102.2 -101.1	ON .975 INCO 69.9 60.6 54.3 59.5 66.3 68.3 75.4 54.3 75.4 75.0 771.0 675.0 771.3	335 PHAZ 38.7 47.6 47.8 42.4 42.5 53.0 53.0 53.2 53.2 53.3 37.2 43.1 38.0 37.2 38.3	33.542 EMIS 21.4 13.1 23.0 237.9 32.0 248.9 37.0 10.8 10.8 10.9 21.7 32.0 21.8 10.8 21.7 33.0 21.8 46.7 549.4	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 -2.1 0.2 0.8 -10.2 0.0 10.4 21.0 32.1 33.8 34.8 34.8	PTH -73-400 1  SCALE 0. 290.83817 233.26295 158.33266 167.54276 171.64892 191.72362 181.33215 164.51258 203.00296 156.13786 164.79601 181.57595 146.04785 179.53222 204.79267	AZ 16.799 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.97 3 -7.797 -33.66 4 -7.528 -22.84 5 -7.241 -22.84 6 -12.855 -22.00 7 -19.086 -20.91 8 -19.086 -20.91 10 -13.224 -33.11 0 -13.224 -33.42 11 -7.797 -33.66 12 -33.598 -88.94 13 -3.598 -88.94 13 -3.598 -88.94 15 -2.61 -23.26 16 -2.144 -17.31 17 -6.926 -16.66 18 -12.745 -15.55 19 -19.263 -13.68 20 -27.243 -10.29 21 -26.503 -18.97 22 -26.503 -18.97	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1794.59953 4 1775.33893 3 1775.33893 3 1665.10707 3 1671.51328 4 1658.51157 1 1673.60509 7 1719.58170 6 1802.65036 1 1813.52808 1 1862.05310 1 1962.18146 2 1337.37207 1 1977.16437	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -0.5 -0.8 -2.0 100.1 -171.8 -94.9 -94.9 -94.9 -94.9 -94.9 -94.9 -94.9	AZN 6.9 5.7 5 4.3 6.0 6 \$2.7 7.0 7 2.5 3 2.4 4.9 9 7.6 4.2 9 7.6 4.2 9 7.6 4.2 9 11.4 8 25.5 18.3 1	SEC 10 765.  AZSUN -78.0 0 -79.7 -80.3 -81.8 -75.8 -75.8 -75.8 -75.8 -75.8 -75.8 -75.8 -75.8 -75.9 -83.0 -82.5 -83.3 -85.4 -90.2 -83.7 -90.2 -83.3 -85.4 -90.2 -83.7 -90.2 -83.3 -85.4 -90.2 -83.5 -83.3 -85.4 -90.2 -83.5 -83.3 -85.4 -90.2 -83.5 -83.3 -79.1	1MPAC T 843 AZ A 68-8 59-1 65-9 47-4 55-1 85-0 136-8 518-0 38-1 460-3 61-0 8	82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 87.24350 87.24350 78.355816 80.48559 78.35884 75.73303 78.26225 80.00029 82.68079 82.68079 82.68079 82.68079 84.15056 86.84311 91.06176 98.040119 92.80609 97.7246	B/A 0.8981 0.999 0.979 0.929 0.879 0.954 0.954 0.985 0.986 0.986 0.986 0.986 0.986 0.987 0.987 0.979 0.987 0.979 0.987 0.987 0.999 0.877 0.987 0.987 0.987 0.987 0.999 0.877 0.987 0.9	T L202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2 -81.6 -80.9 -79.0 -79.0 -84.2 -90.2 -90.2 -100.1	ON .975 INC D 69.9 69.6 65.0 66.3 68.3 68.3 68.3 68.3 71.0 72.6 771.0 775.0 79.1 71.3	339 PHAZ 38.7 47.6 47.6 42.4 42.5 47.9 53.3 53.2 42.5 53.7 48.4 37.2 36.9 37.2 36.9 37.2 48.3 48.4 48.3	33.542 EMIS 34.0 21.4 13.1 1238.0 937.0 218.3 7.4 1 123.0 937.4 1 1.8 97.3 32.0 7 334.8 8.7 58.0 494.1	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.4 22.7 21.6 9.5 -2.1 0.0 0.0 10.4 21.0 32.1 33.8 34.8 34.8 34.8	PTH -73.400 1  SCALE 0. 290.83817 233.26295 158.93266 167.54276 171.64892 191.72362 169.48179 181.33215 164.51258 203.00296 153.20529 156.1378 164.04785 179.53222 204.79267 259.38109	AZ 16.799 PI-PT 0-1 1-22-3 3-44-5 5-66-7 7-88-9 9-10 10-11 11-12 12-13 13-14 14-15 11-12 17-18 18-19 19-20
PRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.777 -18.16  2 -13.020 -27.93  3 -7.797 -33.66  4 -7.528 -28.41  5 -7.241 -22.86  6 -12.859 -22.08  7 -19.086 -20.91  10 -13.224 -33.41  11 -7.797 -33.66  11 -7.797 -33.66  12 -3.598 -38.94  13 -3.220 -33.86  14 -2.996 -88.72  15 -2.612 -23.25  16 -2.144 -17.31  17 -6.926 -16.65  18 -12.745 -15.55  19 -19.263 -13.68  20 -27.243 -10.29  21 -26.513 -8.67	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 0 1652.52245 2 1794.59953 3 1701.60246 1 1775.33893 3 1701.60246 1 1652.65036 5 1613.52808 1 1862.65036 5 1813.52808 1 1862.6551157 1 1673.60509 7 1719.58170 1 1907.16143	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -20.6 -20.6 100.1 -171.8 -2.0 100.1 -171.8 -94.6 -94.9 -93.3 -76.9 -60.4 -48.0 -39.0 -60.5	AZN 6.9 5.7 4.3 6.0 8.6 12.7 3.0 7 2.5 1.3 4.4 4.9 71.4 16.8 518.3 11.1 7	SEC 10 785.  AZSUN 785.0 -79.7 -80.3 -81.5 -81.8 -75.8 -75.8 -75.8 -82.6 -82.9 -83.0 -82.9 -83.0 -82.9 -83.0 -82.9 -83.0 -82.9 -83.0 -82.9 -83.0 -82.9	AZA 68-8 59-1 65-4 47-4 55-1 678-2 73-7 85-0 136-8 18-0 28-1 46-0 37-1 46-0 36-1 28-1 46-0 36-1 28-1 46-0 36-1 46-0 36-1 46-1 46-1 46-1 46-1 46-1 46-1 46-1 4	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 84.88873 83.55816 80.48559 78.35854 75.53017 75.73303 78.26225 80.00029 22.68079 84.15056 86.84311 11.06176 98.04019 99.79248 88.16836	B/A 0.898 0.991 0.978 0.979 0.852 0.877 0.954 0.852 0.877 0.983 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.970 0.701 0.701 0.701 0.702 0.703 0.701 0.703 0.	T L202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -90.2 -95.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.2 -90.2 -101.1 -100.1	ON .975 INC D 69.6 60.6 54.3 59.5 66.3 66.3 66.4 56.4 54.7 58.8 70.2 71.0 64.3 772.6 64.3	335 PHAZ 38.7 47.8 47.8 42.4 42.5 53.0 53.0 53.0 53.7 43.1 38.0 37.2 36.9 37.2 43.3 48.6	33.542 EMIS 34.0 21.4 13.1 23.0 237.9 32.0 21.8 10.9 32.0 21.8 10.9 34.0 21.7 34.0 21.8 21.7 34.0 44.1	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 0.2 0.0 0.0 10.4 21.0 33.8 34.8 34.8 34.8 34.8 5.4	PTH -73.400 1. SCALE 0. 290.83817 233.26295 158.53266 167.54276 171.64892 191.72362 161.3786 153.20529 156.13786 164.99601 181.57595 146.04785 179.53222 204.79267 259.38109 235.47309	AZ 16.799 PT-PT 0-1 1-2 2-3 3-4-5 5-6 4-5 5-6 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-21
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.97 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.84 6 -12.858 -22.06 7 -19.086 -20.9] 8 -19.086 -20.9] 8 -19.086 -20.9] 10 -13.224 -33.46 11 -7.797 -33.69 12 -3.598 -8.94 11 -7.797 -33.69 12 -3.598 -8.94 11 -7.296 -28.72 15 -2.612 -23.29 16 -2.144 -17.31 17 -6.926 -16.65 18 -12.745 -15.55 18 -12.745 -15.55 18 -12.745 -15.55 18 -12.745 -15.55 20 -27.243 -10.29 21 -26.503 -13.88 20 -27.243 -10.29 21 -26.503 -13.88 20 -27.243 -10.29 21 -26.503 -13.88 20 -27.243 -28.82 21 -26.503 -13.88 20 -27.243 -28.82 21 -26.503 -13.88 20 -27.243 -28.82 21 -26.503 -13.88	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1794.59953 4 1775.33893 3 1701.60246 3 1665.10707 3 1671.51328 4 1658.51157 1 1673.60509 7 1719.58170 6 1802.65036 1 1862.65310 1 1902.18146 4 2137.37207 1 1977.16437 1 1977.16438	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -20.6 -0.5 -0.5 -171.8 -99.6 -94.9 -93.3 -76.9 -60.4 -80.6 -8	AZN 6.9 5.75 4.3 6.06 12.7 7.07 2.75 1.3 2.4 4.9 7.6 116.8 5311.1 3.8	SEC 10 765.  AZSUN -78.0 0 -79.7 -80.3 -82.6 -75.8 -75.8 -75.8 -75.8 -75.8 -75.8 -75.8 -75.8 -75.9 -82.5 -83.3 -82.6 -82.9 -82.5 -83.3 -82.5 -83.4 -90.2 -83.8 -79.1 -74.9 -83.8 -79.1 -74.5	1MPAC T 843  AZ A 68-8 59-1 9 65-9 47-4 17-4 155-1 8 27-6 136-1 36-8 128-3 38-1 16-2 18-1 18-1 18-1 18-1 18-1 18-1 18-1 18	82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 87.24350 88.58873 83.55816 80.48559 78.35854 75.73303 78.26225 80.00029 82.68079 82.68079 82.68079 82.68079 82.68079 82.880609 84.15056 86.84311 92.80609 88.16836 87.65260	B/A 0.999 0.978 0.978 0.978 0.929 0.879 0.877 0.954 0.998 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988	T L202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -79.0 -84.2 -96.3 -102.2 -101.1 -99.3	ON .975 INCO 69.9 69.9 66.3 66.3 66.4 54.3 56.9 53.7 75.0 75.0 75.0 75.0 75.0 75.0 75.0	3355 PHAZ 38.7 47.8 42.2 47.9 53.3 53.2 53.2 53.3 37.2 36.9 37.2 48.4 43.1 37.2 48.6 53.8 48.6 53.8	3.542 EMIS 34.0 21.4 13.1 238.9 37.9 329.7 18.3 7.4 10.9 732.0 1.8 121.7 34.0 44.1 443.4	V 2 .019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 -2.1 0.8 -10.0 10.4 21.0 32.1 33.8 34.8 34.8 34.8	PTH -73.400 1  SCALE 0. 290.83817 233.26295 158.93266 167.54276 171.64892 191.72362 169.48179 181.33215 164.91258 203.00296 153.20529 156.13786 164.79601 181.57595 146.04785 179.53222 204.79267 259.38109 235.47309 235.47309 235.47309 196.38043 179.72148	AZ 16.799 PI-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15 15-16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.93 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.84 6 -12.859 -22.00 7 -19.086 -20.91 8 -19.082 -27.22 9 -19.204 -33.11 10 -13.224 -33.41 11 -7.797 -33.66 12 -3.598 -38.94 13 -3.220 -33.88 14 -2.996 -28.72 15 -2.612 -23.25 16 -2.144 -17.31 17 -6.926 -16.65 18 -12.745 -15.55 19 -19.263 -13.68 20 -27.243 -10.22 21 -26.503 -18.97 22 -26.211 -26.20 23 -26.207 -32.81	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1764.59953 3 1701.60246 1 1755.33893 3 1701.60246 1 1658.5117 1 1673.60509 7 1719.58170 1 1673.60509 1 1802.65036 1 1813.52808 1 1862.65310 1 1960.18146 2 1373.37207 1 1977.16437 1 1979.17287	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -0.5 -0.8 -2.0 100.1 -171.8 -99.6 -94.9 -94.3 -76.9 -60.4 -48.0 -39.0 -30.0 -30.0 -30.0 -30.0 -30.0 -30	AZN 6.9 5.75 4.3 6.0 8.6 12.7 3.07 2.55 1.3 4.4 4.9 6.11.4 10.8 5.18.3 11.1 1.3.7 -3.8	SEC 10 785.  AZSUN 781.3 -78.0 -79.7 -80.3 -81.5 -81.5 -75.8 -75.8 -75.8 -75.8 -82.6 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.5 -83.8 -79.1 -74.9 -77.3	1MPACT 843 AZ 8 59-19 49-42 47-4 65-8 273-7 65-9 25-18	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 84.88873 83.55816 80.48559 78.35854 75.53017 75.73303 78.26225 80.00029 82.68079 84.15056 68.84311 91.06176 98.04019 99.79246 81.6836 87.65260	LAT -4.: 8/A 0.898 0.931 0.999 0.796 0.852 0.852 0.877 0.954 0.998 0.988 0.989 0.988 0.989 0.989 0.989 0.980 0.998 0.908	T L202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.9 -79.0 -84.2 -90.2 -90.2 -101.1 -100.1 -99.3 -98.7	ON .975 INCO 69.9 69.9 65.3 65.0 66.3 66.3 66.9 55.7 58.8 70.2 75.0 72.6 75.0 77.1 71.3 71.3 71.3 71.3	3357 38.7 47.8 42.4 42.4 42.2 47.9 53.3 53.2 53.2 53.3 38.0 37.2 43.3 43.3 43.3 43.3 53.8 53.8	3.542 EMIS 34.4 13.1 228.9 37.9 29.7 18.3 10.8 10.8 10.7 334.8 10.7 334.8 10.8 44.1 431.5	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 -2.1 0.2 0.0 10.4 21.0 33.8 34.8 34.8 18.9 -7.0 -19.5	PTH -73-400 1  SCALE 0. 290.83817 233.26295 158.93266 167.94276 171.64892 191.72362 181.33245 169.48179 181.33215 164.91258 203.00296 153.20529 156.1376 164.79601 181.57595 146.04785 179.53222 204.79267 259.38109 196.38043 179.72148 175.29636	AZ 16.799 PI-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 11-12 12-13 13-14 14-15 11-12 12-13 13-14 14-15 11-12 12-13 13-14 14-15 11-12 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 13-14 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.777 -18.16 2 -13.020 -27.97 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.84 6 -12.858 -22.06 7 -19.086 -20.91 8 -19.086 -20.91 8 -19.086 -20.91 10 -13.224 -33.46 11 -7.797 -33.66 12 -3.598 -8.94 11 -7.797 -33.66 13 -3.20 -33.88 14 -2.996 -28.72 15 -2.612 -23.29 16 -2.144 -17.31 17 -6.926 -16.66 18 -12.745 -15.55 19 -19.265 -13.88 20 -27.243 -10.29 21 -26.503 -18.97 22 -26.211 -26.20 23 -26.207 -32.81 24 -26.466 -39.26 25 -19.442 -88.47 26 -13.47 -88.97	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 0 1852.52245 2 1794.59953 4 1775.33893 3 1701.60246 3 1665.10707 3 1671.51328 4 1658.51157 1 1673.60509 7 1719.58170 6 1802.65036 1 1862.65310 9 1990.18146 4 2137.37207 1 1977.16437 1 1977.16437	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -0.5 -0.5 -0.5 -2.0 100.1 -171.8 -94.9 -93.3 -76.9 -94.9 -80.4 -48.0 -39.0 -28.5 -15.3 -0.4	AZN 6.9 6.9 7 2.5 4.30 8.62 7.7 2.5 2.4 4.29 7.6 11.48 25.5 11.1 -3.8 11.1 -3.8 -10.5	SEC 10 765.  AZSUN -78.0 0 -79.7 -80.3 -81.3 -82.6 -75.8 -77.7 -80.3 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.5 -83.8 -79.1 -74.9 -70.5 -72.3 -75.3	1MPAC I 843 AZ A 68-8 59-1 49-4 47-4 55-18 78-2 78-7 65-9 56-1 36-5 18-3 38-1 52-3 78-3 18-3 18-1 18-1 18-1 18-1 18-1	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 81.67065 87.24350 78.35854 77.55301 77.573303 78.26225 80.00029 82.68079 82.68079 82.68079 82.68079 82.68079 83.68079 84.15056 86.84311 98.765260 88.16836 88.16836 88.16836 88.16836 88.765260 83.08116	LAT -4.: -4.: -4.: -4.: -4.: -4.: -4.: -4.:	T L202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -79.0 -84.2 -90.2 -96.3 -102.2 -101.1 -100.1 -99.3 -98.7	ON .975 INCO 69.9 69.6 69.6 65.3 65.0 66.3 66.3 66.4 75.6 75.6 775.0 779.1 775.0 779.1 775.0 779.1 775.0 775.0 775.0 775.0	3359 PHAZ 7 38.7 47.8 42.2 47.9 53.3 53.2 53.3 74.8 42.2 47.9 37.2 37.2 37.2 37.2 38.3 48.4 48.6 37.2 37.2 58.9 58.9 58.9 58.9	33.542 EMIS 34.0 21.4 7.4 13.1 228.9 37.9 229.7 18.3 32.0 229.7 10.2 1.8 46.7 32.9 34.8 46.7 49.4 44.1 43.4	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 -2.1 0.0 10.4 21.0 32.1 33.8 34.8 34.8 34.7 18.9 -7.0 -13.5 -19.0	PTH -73.400 1.  SCALE 0. 290.83817 233.26295 158.93266 167.54276 161.51324 169.48179 181.33215 164.51258 203.00259 156.13786 164.79601 181.57595 146.04785 179.53222 204.79267 259.38109 235.47309 235.47309 235.47309 235.47309 235.47309 235.47309	AZ 16.799 PI-PT 0-11 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-13 13-14 14-15 15-16 16-17 17-18 18-19 20-21 22-23 24-25 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.777 -18.16 2 -13.020 -27.93 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.84 6 -12.859 -22.00 7 -19.086 -20.91 8 -19.082 -27.25 9 -19.204 -33.11 10 -13.224 -33.41 11 -7.797 -33.66 12 -33.598 -38.94 13 -3.598 -38.94 13 -3.598 -38.94 14 -2.996 -28.72 15 -2.612 -23.29 16 -2.144 -17.31 17 -6.926 -16.66 18 -12.745 -15.55 19 -19.263 -13.68 20 -27.243 -10.29 21 -26.503 -18.97 22 -26.21 -26.20 23 -26.207 -32.81 24 -2.944 -19.263 -27.24 -10.29 21 -26.503 -18.97 22 -26.21 -26.20 23 -26.26.466 -99.26 25 -19.442 -18.97 26 -13.470 -38.86 27 -8.059 -38.86	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1764.59953 3 1701.60246 1 1755.33893 3 1701.60246 1 1658.5117 1 1673.60509 7 1719.58170 1 1673.60509 1 1802.65036 1 1813.52808 1 1862.65310 1 1960.18146 2 1373.37207 1 1977.16437 1 1979.17287	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -0.5 -0.8 -2.0 100.1 -171.8 -94.6 -94.3 -76.9 -94.3 -76.9 -60.4 -48.0 -39.0 -30.0 -30.0 -30.0 -30.0 -30.0 -30	AZN 6.9 5.75 4.3 6.0 8.6 12.7 3.07 2.55 1.3 4.4 4.9 6.11.4 10.8 5.18.3 11.1 1.3.7 -3.8	SEC 10 785.  AZSUN 781.3 -78.0 -79.7 -80.3 -81.5 -81.5 -75.8 -75.8 -75.8 -75.8 -82.6 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.9 -82.5 -83.8 -79.1 -74.9 -77.3	1MPAC I 843 A 2.8 659-19 49-42 47-41 65-8 273-7 65-9 256-18 258-19 460-3 258-19 460-3 258-19 460-3 258-19 460-3 258-19 461-19 46	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 84.88873 83.55816 80.48559 78.35854 75.53017 75.73303 78.26225 80.00029 82.68079 84.15056 86.84311 91.06176 92.80609 89.779246 81.6836 87.65260 87.65260 87.65260 87.65260	LAN 0.498 0.999 0.978 0.978 0.978 0.1852 0.877 0.950 0.983 0.998 0.988 0.988 0.983 0.701 0.550 0.673 0.759 0.759 0.759 0.759 0.759	T L202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.9 -79.0 -84.2 -96.3 -101.1 -100.1 -99.3 -98.7 -94.4	ON .975 169.9 60.6 54.3 65.9 55.4 56.9 75.6 71.0 77.1 71.3 64.9 75.0 79.1 71.3 64.9 75.0 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1	335 PHAZ 7 38.7 47.8 47.8 42.4 42.4 47.9 53.2 53.3 53.2 53.3 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0 58.0	33.542 EMIS 34.0 21.4 13.1 28.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 -2.1 0.0 10.4 21.0 33.8 34.8 34.8 34.7 5.4 -7.0 -19.0 -19.0 -19.0 -19.0 -19.0	PTH -73.400 1  SCALE 0. 290.83817 233.26295 158.93266 167.94276 171.64892 191.72362 181.33245 169.48179 181.33215 164.91258 164.9601 181.57595 146.04785 179.53222 204.79267 235.47309 196.38043 179.72148 175.29636	AZ 16.799 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 20-21 21-22 22-23 23-24 24-25 25-26
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.777 -18.16 2 -13.020 -27.93 3 -7.797 -33.66 4 -7.528 -28.41 5 -7.241 -22.84 6 -12.859 -22.00 7 -19.086 -20.91 8 -19.082 -27.25 9 -19.204 -33.11 10 -13.224 -33.41 11 -7.797 -33.66 12 -33.598 -38.94 13 -3.598 -38.94 13 -3.598 -38.94 14 -2.996 -28.72 15 -2.612 -23.29 16 -2.144 -17.31 17 -6.926 -16.66 18 -12.745 -15.55 19 -19.263 -13.68 20 -27.243 -10.29 21 -26.503 -18.97 22 -26.21 -26.20 23 -26.207 -32.81 24 -2.944 -19.263 -27.24 -10.29 21 -26.503 -18.97 22 -26.21 -26.20 23 -26.26.466 -99.26 25 -19.442 -18.97 26 -13.470 -38.86 27 -8.059 -38.86	RANGE 6 1812.70903 6 1718.13620 3 1665.10707 9 1680.41936 8 1727.67581 2 1764.59953 3 1701.60246 1 1755.33893 3 1701.60246 1 1658.516707 3 1671.51328 4 1658.51707 5 1673.60509 7 1673.60501 1 1902.65036 1 813.52808 1 1862.65310 1 1900.18146 2 1373.37207 1 1977.16437 7 1024.71288 4 1899.87306 7 1915.90457 7 1715.99852 1 1678.80289	AZS/C -14.6 -30.9 -2.0 -55.5 -70.8 -49.7 -36.6 -0.5 -0.8 -2.0 100.1 -171.8 -94.6 -94.3 -76.9 -94.3 -76.9 -60.4 -48.0 -39.0 -30.0 -30.0 -30.0 -30.0 -30.0 -30	AZN 6.97 2.5 4.3 3.4 4.2 2.7 7.7 2.5 1.3 2.4 4.9 7.6 11.4 2.2 7.6 11.4 3.7 8.0 11.3 7.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	SEC 10 785.  AZSUN 781.0 79.7 -80.3 -81.5 -82.0 -81.5 -82.9 -82.9 -82.9 -82.5 -83.3 -85.4 -90.2 -82.9 -77.7 -70.5 -77.3	1MPAC I 843 AZ A 68-8 59-1 49-4 47-4 55-18 78-2 78-7 65-9 56-1 36-5 18-3 38-1 52-3 78-3 18-3 18-1 18-1 18-1 18-1 18-1	ALT 1658.08704 82.93532 81.65325 78.35854 79.48843 81.31694 83.67065 84.88873 83.55816 80.48559 78.35854 75.53017 75.73303 78.26225 80.00029 82.68079 84.15056 86.84311 91.06176 92.80609 89.779246 81.6836 87.65260 87.65260 87.65260 87.65260	LAN 0.498 0.999 0.978 0.999 0.978 0.1852 0.877 0.950 0.983 0.998 0.988 0.988 0.983 0.701 0.550 0.673 0.759 0.759 0.759 0.759 0.759	T L202 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.9 -79.0 -84.2 -96.3 -101.1 -100.1 -99.3 -98.7 -94.4	ON .975 169.9 60.6 54.3 65.9 55.4 56.9 75.6 71.0 77.1 71.3 64.9 75.0 79.1 71.3 64.9 75.0 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1	335 PHAZ 7 38.7 47.8 47.8 42.4 42.4 47.9 53.2 53.3 53.2 53.3 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0 58.0	33.542 EMIS 34.0 21.4 13.1 28.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37	V 2.019 AL PHA 30.4 11.3 0.8 11.4 22.7 21.6 9.5 -2.1 0.0 10.4 21.0 33.8 34.8 34.8 34.7 5.4 -7.0 -19.0 -19.0 -19.0 -19.0 -19.0	PTH -73.400 1.  SCALE 0. 290.83817 233.26295 158.93266 167.54276 161.51324 169.48179 181.33215 164.51258 203.00259 156.13786 164.79601 181.57595 146.04785 179.53222 204.79267 259.38109 235.47309 235.47309 235.47309 235.47309 235.47309 235.47309	AZ 16.799 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 25-26

24 TAB NO 47 ATLAS PHOTO NO 47 POD SEQUENCE NO 100 JULY 31,1964 13 HR 12 MIN 48 SEC 76 MS SEC TO IMPACT ALT LAT LUN R V PTH AZ 780.723 1648.17462 -4.224 -33.930 3383.630 2.021 -73.366 116.793 TRAJECTORY DATA ATLAS PHOTO NO 48 POD SEQUENCE NO 102 TAB NO 48 JULY 31,1964 13 HR 12 MIN 53 SEC 196 MS TRAJECTURY DATA

PHOTO DATA

PT LAT LON RANGE AZS/C AZN AZSAN AZA

1 -11.759 -18.224 1791.31573 -14.9 6.9 -78.1 68.5

2 -13.012 -27.827 1098.28918 -31.1 5.7 -79.7 58.9

3 -7.850 -33.521 1045.31517 -3.3 2.5 -80.3 65.4

4 -7.583 -28.397 1660.88411 -55.5 4.3 -81.3 49.3

5 -7.300 -22.798 1707.82413 -70.7 6.1 -82.0 37.2

6 -12.853 -22.038 1748.77440 -49.8 8.6 -81.5 47.3

7 -19.008 -20.880 1831.27242 -36.7 12.2 -81.8 55.0

8 -19.003 -27.148 1773.78244 -20.8 7.7 -78.9 65.6

9 -19.121 -32.999 1754.30313 -0.9 3.1 -75.9 77.8

10 -13.213 -33.221 1648.34539 -1.4 2.7 -77.8 73.2

11 -7.850 -33.521 1645.37517 -3.3 2.5 -80.3 65.4

12 -3.702 -38.709 1650.96141 99.6 1.3 -82.5 84.5

13 -3.426 -33.711 1638.61641 -165.7 2.4 -82.9 55.7

14 -3.105 -28.618 1633.91304 -98.9 3.4 -83.0 37.0

15 -2.724 -23.246 1699.56650 -94.6 4.3 -82.8 25.8

16 -2.261 -17.333 1781.69180 -93.1 4.9 -82.3 18.3

17 -6.988 -16.714 1792.72975 -76.8 7.7 -82.5 28.4

18 -12.741 -15.581 1840.8239 -60.4 11.4 -83.3 38.1

19 -19.182 -13.738 1937.61739 -48.0 16.7 -85.3 45.9

20 -27.052 -10.425 2111.62933 -39.1 25.3 -90.1 52.3

21 -26.327 -18.974 1973.61534 -28.6 18.1 -83.8 60.9

22 -26.038 -26.109 1901.86987 -15.5 11.0 -79.2 70.6

23 -26.030 -32.636 1876.82683 -0.6 3.8 -75.1 81.2

24 -26.257 -38.968 1891.82034 14.4 -3.6 -70.7 2.6

25 -19.352 -38.628 1695.19144 29.0 -0.4 -75.4 89.7

27 -8.109 -38.627 1650.96141 99.6 1.3 -82.5 83.5 SEC TO IMPACT ALT LAT LON R V PTH AZ 775.603 1638.25366 -4.247 -33.885 3373.709 2.024 -73.332 116.787 TRAJECTURY DATA ALI LAI LUN K V PIN AZ

1038.25366 -4.247 -33.885 3373.709 2.024 -73.332 116.787

A\*\* B/A AZPHAZ INCD PHAZ EMIS ALPHA
81.97397 0.898 -93.3 69.9 38.8 33.9 30.3
80.71003 0.931 -90.2 60.8 47.6 21.5 11.4 286.60170 1-2
77.44335 0.999 -85.6 54.5 53.2 7.4 0.9 230.64528 2-3
78.56423 0.978 -85.2 59.6 47.8 13.2 11.6 156.70745 3-4
80.38217 0.928 -84.7 65.0 42.5 23.1 22.5 165.66987 4-5
82.71567 0.879 -90.2 66.3 42.2 28.9 22.8 169.71407 5-6
86.24248 0.796 -95.7 68.3 42.5 37.9 21.7 189.48234 6-7
83.90388 0.852 -95.2 62.4 47.9 32.0 9.6 179.49287 7-8
82.56771 0.877 -94.8 57.1 53.3 29.6 -1.9 167.54435 8-9
79.53688 0.954 -90.2 55.5 53.0 18.3 0.4 179.14356 9-10
77.44335 0.999 -85.6 54.5 53.2 7.4 0.9 162.59054 10-11
74.54528 0.982 -82.2 49.0 58.9 9.9 9.9 9.9 120.52728 11-12
74.82194 0.990 -80.9 59.0 48.4 11.0 10.5 154.31797 13-14
79.06819 0.948 -80.0 64.3 43.1 21.7 21.1 162.92616 12-13
79.06819 0.948 -80.0 64.3 43.1 21.7 21.1 162.92616 12-13
81.18478 0.864 7-90.7 10.2 38.0 32.8 32.1 179.47230 15-16
83.18478 0.867 -89.2 71.0 37.2 34.0 33.8 144.38192 16-17
85.85297 0.794 -90.2 72.6 36.9 38.8 34.7 177.51108 17-18
80.01397 0.702 -96.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -96.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01397 0.702 -99.3 75.0 37.2 46.7 34.7 202.34287 18-19
81.01050 0.608 -101.1 71.3 43.3 49.2 18.9 232.35077 20.21
88.720140 0.733 -100.1 65.0 48.6 43.9 5.6 144.1075 2.22
87.07060 0.761 -99.3 59.3

				RA-VI	I CAMER	A FA							25
JULY 31,1964 13	HR 12 MIN 58	3 SEC 316	5 MS		TAB NO	49	ATL	AS PHOTO	NO.	49	POD	SEQUENCE NO	104
TRAJECTORY DATA				SEC TO 770.		ALT	LA		ON	R	٧	PTH	AZ
PHOTO DATA PT LAT LOA						1628.3241	3 -4.	270 ~33	. 843	3363.77	9 2.026	-73.298 11	6.781
	RANGE 43 1780.60291	AZS/C	AZN 6.9	AZSUN -78.1	AZA 68.3	A* 81.49257	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA		PT-PT
2 -13.008 -27.7	72 1688.35077	-31.2	5.7	-79.8	58.8	80.23772	0.930	-90.2	60.8	38.8 33.9 47.6 21.5	11.5	0. 284.47910	0- 1 1- 2
4 -7.611 -28.2	35 1635.49850 51 1651.10326	-3.9 -55.5	2.5 4.4	-80.3 -81.3	65.2 49.2	76.98540		-85.6	54.6	53.2 7.5	1.0	229.33429	2-3
5 -7.329 -22./	73 1697.88356	-70.6	6.1	-82.0		78.10150 79.91410		-85.2 -84.7		47.8 13.3 42.5 23.1		155.79380 164.73187	3- 4
6 -12.850 -22.0 7 -18.969 -20.8	16 1738.66341	-49.8	8.6	-81.5 -81.9	47.3	82.23739	0.879	-90.2	66.3	42.2 29.0	22.8	168.74476	4-5 5-6
8 -18.963 -27.0	96 1763.35858	-20.9	12.2	-78.9		85.74171 83.41073		-95.7 -95.2	68.3	42.5 37.9	21.7	188.36012	6- 7
9 -19.079 -32.9 10 -13.207 -33.1	12 1743.77312	-1.0	3.1	-76.0	77.6	82.07191	0.877	-94.8	57.1	53.3 29.6	-1.8	178.48083 166.57445	7- 8 8- 9
11 -7.877 -33.4	35 1635.49850	-1.6 -3.9	2.7	-77.8 -80.3	72.9	79.06195 76.98540		-90.2 -85.6	55.6	53.0 18.3	0.5	178.04833	9-10
12 -3.755 -38.5	91 1640.68095	99.4	1.3	-82.5	82.8	74.05368	0.982	-82.2	49.1	53.2 7.5 58.9 9.8		161.62811	
	25 1628.69029 62 1644.05603	-162.5	2.4 3.4	-82.8 -82.9	55.5	74.36640		-81.6	54.0	53.7 1.7	0.3	150.34933	12-13
15 -2.780 -23.2	20 1689.54662	-94.4	4.3	-82.8	25.9	78.60157		-80.9 -80.0		48.4 11.1		153.40725 161.98997	13-14
	42 1771.20044 24 1782.31564		5.0	-82.2		81.23614	0.869	-79.0	70.2	38.0 32.8	32.1	178.41959	15-16
18 -12.739 -15.5	96 1830.19174	-60.4	7.7	-82.5 -83.3		82.70120 85.35712	0.847	-84.2 -90.3		37.2 34.0 36.9 38.8		143.54789	16-17
19 -19.142 -13.7 20 -26.957 -10.4	67 1926.31905		16.6	-85.3	45.9	89.48931	0.702	-96.3		37.2 46.6		176.49858   201.11698	
21 -26.239 -18.9	75 1961.82814	-28.6	25.2 18.1	-90.1 -83.8	52.2	96.26967 91.16386	0.554	-102.2	78.9	38.2 57.6	34.5	253.67763	19-20
44 -45.951 -46.U	63 1890.43633	-12-0	11.0	-17.3	10.4	00.17272		-101.1		43.3 49.1		230.79399 2	20-21
23 -25.941 -32.5 24 -26.163 -38.8	47 1865.29587 61 1879.77890	-0.8 14.2	3.9 -3.5	-75.2 -70.9	81.1	86.56215	0.762	-99.3	59.4	53.8 41.8	-6.6	176.58803 2	22-23
25 -19.307 -38.6	00 1757.59216	19.1	-1.6	-72.6	0.9	85.99799 81.55696	0.874	-98.7 -94.4	54.1	59.0 43.0 58.6 31.3	-18.5	171.93571	
	09 1684.78004 19 1648.15013		-0.4	-75.5	89.3	78.58511	0.951	-90.2	50.6	58.4 20.9	-10.3	207.79439 2	
	91 1640.68095		0.6	-79.0 -82.5	87.2 82.8	76.57554 74.05368	0.998	-85.9		58.5 12.4		160.94807 2	26-27
										58.9 9.8	-9.8	132.66191 2	27-28
JULY 31,1964 13	HR 13 MIN 3	SEC 436	MS	'	AB NO	50	ATLA	S PHOTO	NO	50	POD S	EQUENCE NO	106
TRAJECTORY DATA				SEC TO 765.		ALT 1618.38580	LAT		N 704	R	v		4Z
PHOTO DATA PT LAT LON	241.45					1010130300	-4.2	73 -33.	139	3333.84	1 2.028	-73.264 116	5.775
1 -11.740 -18.2	RANGE 51 1769.87903	AZS/C -15.2	4ZN 6.8	AZSUN -78.1	AZA 1.83	A* 81.01052		AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE F	PT-PT
2 -13.005 -27.7	18 1678.39619	-31.3	5.7	-79.8	58.7	79.76463	0.930	-93.3 -90.2	60.9	38.8 33.8 47.6 21.5		0. 282.38344	0-1
	50 1625.61409 96 1641.30774	-4.5 -55.5	2.5	-80.3		76.52717	1.000	-85.6	54.7	53.2 7.5	1.1		2- 3
5 -7.358 -22.7	9 1687.92116	-70-5	4.4 6.1	-81.3 -82.0	37.3	77.63808 79.44500				47.8 13.4	11.7	154.87864	3- 4
6 -12.847 -21.9	95 1728.52792	-49.8	8.6	-81.5	47.3	81.75799	0.879	-90.2	66.4	42.5 23.1 42.2 29.0	22.5 22.8		4- 5 5- 6
	1 1809.96222 5 1752.91751	-36.8 -21.1	12.2	-81.9 -79.0	54.8 65.3	85.23935 82.91677		-95.7	68.3	42.5 37.9	21.7	187.23478	6- 7
9 -19.038 -32.8	6 1733.23451	-1.2	3.1	-76.0	77.4	81.57572	0.878	-95.2 -94.8	57.2	47.9 31.9 53.3 29.6	9.7 -1.7		7- 8 8- 9
10 -13.202 -33.10 11 -7.903 -33.39	9 1661.45525 0 1625.61409	-1.9 -4.5	2.8	-77.9	12.7	78.58661	0.954	-90.2	55.7	53.0 18.3	0.6		9-10
12 -3.807 -38.4	4 1630.40192	99.1	2.5	-80.3 -82.4	64.9 82.1	76.52717 73.56326	0.981	-85.6 -82.2	54.7		1.1	160.66460 1	
13 -3.532 -33.53 14 -3.213 -28.50	9 1618.73787		2.4	-82.8	55.3	73.91081	U.980	-81.6		58.9 9.7 53.7 1.7	-9.7 0.4	198.05281 1 149.39847 1	2-13
	06 1634.18591 05 1679.50674	-98.2 -94.2	3.4 4.3	-82.9 -82.7	37.1 26.1	76.41801 78.13405		-80.9	59.1	48.4 11.1	10.6	152,49512 1	3-14
16 -2.378 -17.39	1 1760.68115	-92.8	5.0		18.6	80.75299				43.1 21.7 38.0 32.8	21.1 32.1	161.05042 1 177.36133 1	
17 -7.050 -16.73 18 -12.737 -15.63	5 1771.87120 3 1819.52660	-76.6	7.7		28.6	82.21624	0.847	-84.2	71.0	37.2 34.0	33.8	142.71157 1	
19 -19.101 -13.79	7 1914.98349	-60.4 -48.1	11.4		38.2 45.9	84.85971 88.96292		-90.3	72.5	36.9 38.7	34.7	175.48231 1	7-18
20 -26.861 -10.59	7 2085.83768	-39.1	25.1	-90.0	52.2	95.67752	0.556 -	-102.2	78.8	37.2 46.6 38.2 57.5	34.6 34.4	199.88652 1 251.77855 1	
	8 1950.01358 8 1878.98619	-28.7 -15.7	18.0	-83.8 -79.3	60.7 70.3	90.61479	0.670 -	-101.1	71.2	43.3 49.1	19.0	229.22785 2	0-21
23 -25.852 -32.45	9 1853.75919	-0.9	3.9	-75.3	80.9	87.65794	0.763			48.6 43.8 53.8 41.8	5.8 -6.5	191.83280 2 175.54067 2	1-22
24 -26.068 -38.72 25 -19.261 -38.47	8 1867.74519 7 1746.64590	14.1 18.9	-3.4 -1.5	-71.0	2.1	85.44687	0.759	-98.7	54.2	59.0 42.9	-18.3	170.81903 2	3-24
26 -13.440 -38.39	0 1674.36841	28.5	-0.3	-72.7 -75.5	0.6 88.9	81.04876 78.09946		-94.4	52.1	58.6 31.2	-12.9	206.29464 2	4-45
27 -8.159 -38.40	2 1637.92812	52.3	0.6	-79.0	86.7	76.10073	0.999		49.8	58.4 20.8 58.5 12.3	-10.2	176.35432 2 159.95950 2	
-3.007 -38.47	4 1630.40192	99.1	1.3	-82.4	82.1	73.56326	0.981	-82.2	49.2	58.9 9.7		131.84041 2	

DA-VII CAMEDA EA

	RA-VI	CAMERA	A FA			26
JULY 31,1964 13 HR 13 MIN 8 SEC 556		TAB NO	51	ATLAS PHOTO NO	51	POD SEQUENCE NO 108
	SEC TO	THOACT	ALT	LAT LUN	R	V PTH AZ
TRAJECTORY DATA		243	1608.43878		3343.894	2.030 -73.230 116.770
PHOTO DATA PT LAT LON RANGE AZS/C	AZN AZSUN	AZA	A.	B/A AZPHAZ INCO	PHAZ EMIS A	LPHA SCALE PT-PT
1 -11.731 -18.280 1759.14424 -15.4	6.8 -78.2	68.0	80.52794	0.898 -93.3 69.9	38.8 33.8	30.2 0. 0-1 11.6 280.29074 1-2
2 -13.001 -27.665 1668.43036 -31.4 3 -7.929 -33.265 1615.72226 -5.1	5.7 -79.8 2.5 -80.3		79.29101 76.06867	0.930 -90.2 60.9 1.000 -85.6 54.8	47.6 21.6 53.2 7.6	1.2 226.70396 2- 3
4 -7.666 -28.141 1631.50212 -55.5	4.4 -81.3		77.17418	0.977 -85.2 59.8	47.8 13.4	11.7 153.96264 3- 4
5 -7.387 -22.725 1677.94650 -70.5	6.1 -82.0		78.97533			22.5 162.84714 4- 5 22.8 166.79960 5- 6
6 -12.844 -21.974 1718.37875 -49.8 7 -18.891 -20.837 1799.27969 -36.9	8.6 -81.5 12.2 -81.9		81.27793 84.73631			21.7 186.10799 6- 7
8 -18.883 -26.995 1742.46474 -21.2	7.7 -79.0		82.42226	0.853 -95.2 62.6	47.9 31.9	9.8 176.44535 7-8
9 -18.996 -32.740 1722.68759 1.4	3.2 -76.1		81.0/914		53.3 29.5 53.1 18.3	-1.7 164.62970 8- 9 0.6 175.85576 9-10
10 -13.196 -33.024 1651.39746 -2.2 11 -7.929 -33.265 1615.72226 -5.1	2.8 -77.9 2.5 -80.3	72.5 64.7	78.11087 76.06867			1.2 159.70045 10-11
11 -7.929 -33.265 1615.72226 +5.1 12 -3.859 -38.358 1620.12053 98.9	1.3 -82.4	81.4	73.07348	0.981 -82.2 49.3	58.9 9.6	-9.6 196.61602 11-12
13 -3.585 -33.454 1608.77948 -155.7	2.4 -82.8		73.45519			0.5 148.44790 12-13 10.7 151.58229 13-14
14 -3.267 -28.451 1624.30724 -97.8 15 -2.892 -23.170 1669.45630 -94.0	3.4 -82.9 4.3 -82.7		75.95585 77.66603			21.2 160.10950 14-15
15 -2.892 -23.170 1669.45630 -94.0 16 -2.437 -17.361 1750.14987 -92.7	5.0 -82.2		80.26929	0.869 -79.0 70.2	38.0 32.8	32.0 176.30151 15-16
17 -7.081 -16.746 1761.41278 -76.6	7.7 -82.4		81.73063			33.8 141.87409 16-17 34.7 174.46433 17-18
	11.4 -83.3		84.36158 88.43578	0.794 -90.3 72.5 0.703 -96.3 74.9		34.6 198.65454 18-19
19 -19.060 -13.828 1903.63190 -48.1 20 -26.766 -10.623 2072.91196 -39.2	25.0 -90.0		95.08490	0.558 -102.2 78.7	38.2 57.4	34.3 249.88327 19-20
21 -26.063 -18.981 1938.18668 -28.8	18.0 -83.8	60.6	90.06514	0.671 -101.1 71.2		19.0 227.66245 20-21 5.8 190.68900 21-22
22 -25.778 -25.974 1867.52620 -15.8	11.0 -79.4		87.12300 85.49014	0.736 -100.1 65.0 0.764 -99.3 59.5		
23 -25.763 -32.372 1842.21689 -1.0 24 -25.974 -38.595 1855.71283 13.9	3.9 -75.3 -3.3 -71.1		84.89582	0.760 -98.7 54.3	59.0 42.8 -	-18.2 169.70367 23-24
25 -19.216 -38.353 1735.69603 18.7	-1.5 -72.8		80.54041	0.875 -94.4 52.2	58.6 31.1 -	-12.8 204.79809 24-25
26 -13.432 -38.271 1663.95230 28.2	-0.3 -75.6		77.61360			
27 -8.184 -38.286 1627.70230 51.9 28 -3.859 -38.358 1620.12053 98.9	0.6 -79.0		75.62574 73.07348		58.9 9.6	-9.6 131.01870 27-28
28 -3.859 -36.538 1620.12035 -70.7	113 021					POD SEQUENCE NO 110
JULY 31,1964 13 HR 13 MIN 13 SEC 676	MS	TAB NO	52	ATLAS PHOTO NO	52	PUD SEQUENCE NO 110
		IMPACT	ALT	LAT LÜN	R	V PTH AZ
TRAJECTORY DATA		124	1598.4832		3333.939	2.032 -73.195 116.764
PHOTO DATA PT LAT LON RANGE AZS/C	AZN AZSUN	AZA	Δ.	B/A AZPHAZ INCD	PHAZ ENIS	ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C 1 -11.722 -18.299 1748.39868 -15.5		67.8		0.898 -93.3 69.8	38.8 33.7	30.2 0. 0-1
2 -12.996 -27.611 1658.45387 -31.6	5.8 -79.8	58.4	78.81689			11.6 278.19827 1- 2 1.3 225.38625 2- 3
3 -7.955 -33.179 1605.82310 -5.7		64.5	75.60991 76.70984		53.2 7.6 4/.8 13.5	
4 -7.694 -28.086 1621.68703 -55.5 5 -7.416 -22.701 1667.96069 -70.4	4.4 -81.5 6.1 -81.9		78.50515		42.5 23.2	22.6 161.90268 4- 5
6 -12.841 -21.954 1708.21719 -49.9	8.6 -81.	47.2	80.79729		42.2 29.0	22.9 165.82498 5- 6
7 -18.651 -20.824 1788.58427 -36.9	12.1 -81.9		84.23266		42.5 37.8	21.7 184.97990 6- 7 9.8 175.42503 7- 8
8 -18.843 -26.944 1732.00098 -21.3 9 -18.954 -32.654 1712.13246 -1.5	7.7 -79.0 3.2 -76.0	2 77.0	80.58218		53.3 29.5	-1.6 163.65584 8- 9
10 -13.191 -32.939 1641.33141 -2.4	2.8 -77.	72.3	77.63474	0.954 -90.2 55.9	53.1 18.3	0.7 174.75842 9-10
11 -7.955 -33.179 1605.82310 -5.7		64.5	75.60991		53.2 7.6	1.3 158.73526 10-11 -9.4 195.57944 11-12
12 -3.911 -38.241 1609.83644 98.6	1.3 -82.		72.58429 72.99954		3 53.7 1.6	0.6 147.49768 12-13
13 -3.638 -33.368 1598.81525 -152.2 14 -3.321 -28.395 1614.42056 -97.4	3.5 -82.		75.49331	0.997 -80.9 59.2	2 48.4 11.2	10.8 150.66879 13-14
15 -2.948 -23.146 1659.39636 -93.9	4.4 -82.		77.19759		43.1 21.7	
16 -2.496 -17.371 1739.60847 -92.6	5.1 -82. 7.7 +82.		79.78513 81.24447		38.0 32.8	32.0 175.24063 15-16 33.8 141.03567 16-17
17 -7.111 -16.757 1750.94226 -76.5 18 -12.732 -15.646 1798.15166 -60.4	7.7 +82.4 11.4 -83.		83.86281		36.9 38.7	34.7 173.44496 17-18
19 -19.019 -13.858 1892.26685 -48.1	16.5 -85.	3 45.9	87.90802	0.704 -96.3 74.9	37.2 46.5	34.6 197.42155 18-19 34.2 247.99250 19-20
20 -26.670 -10.690 2059.97958 -39.2	24.8 -89.			0.559 -102.2 78.0 0.672 -101.1 71.5	5 38.2 57.3 2 43.3 48.9	
21 -25.975 -18.983 1926.34952 -28.8 22 -25.491 -25.930 1856.05730 -15.9	17.9 -83. 11.0 -79.			0.736 -100.1 65.4	0 48.6 43.7	5.9 189.54397 21-22
22 -25.691 -25.930 1856.05730 -15.9 23 -25.674 -32.284 1830.66931 -1.1	4.0 -75.	4 80.5	84.95378	0.765 -99.3 59.	5 53.9 41.6	-6.3 173.44316 22-23
24 -25.880 -38.461 1843.68153 13.8	-3.2 -71.	2 1.7	84.34483	0.762 -98./ 54.	3 59.0 42.7	-18.0 168.58962 23-24 -12.7 203.30465 24-25
25 -19.171 -38.230 1724.74223 18.6	-1.4 -73. -0.3 -75.		80.03187 77.12751	0.876 -94.4 52. 0.952 -90.2 50.	3 58.6 31.1 9 58.4 20.7	
26 -13.424 -38.153 1653.53137 27.9 27 -8.208 -38.169 1617.47232 51.4	0.6 -79.		75.15056	0.999 -85.9 50.	0 58.5 12.2	-9.0 157.98068 26-27
28 -3.911 -38.241 1609.83644 98.6	1.3 -82.		72.58429	0.981 -82.2 49.	4 58.9 9.5	-9.4 130.19669 27-28

		RA-VI	I CAMER	A FA						27
JULY 31,1964 13 HR 13 MIN 18 SEC	'96 MS		TAB NO	53	ATLA	AS РНОТО	NO	53	POD S	SEQUENCE NO 112
TRAJECTORY DATA			IMPACT	ALT	LAT			R	٧	PTH AZ
PHOTO DATA			- 004	1588.51869						-73.160 116.758
PT LAT LON RANGE AZS 1 -11.713 -18.318 1737.64177 -15			AZA 67.7	A+ 79.56108	B/A	-93.3		PHAZ EMIS 38.8 33.7		SCALE PT-PT
2 -12.992 -27.559 1648.46065 -31			58.3	78.34196		-90.2		47.6 21.6	30.1 11.7	0. 0- 1 276.13353 1- 2
3 -7.981 -33.095 1595.91579 -6			64.2	75.15081		-85.6	54.9	53.2 7.6	1.4	224.06515 2- 3
4 -7.721 -28.032 1611.85666 -55 5 -7.445 -22.678 1657.95238 -70		-81.2 -81.9	49.0 37.4	76.24478 78.03390		-85.2 -84.8	59.9	47.8 13.5 42.5 23.2	11.8	152-12741 3- 4
6 -12.838 -21.934 1698.03098 -49	9 8.6		47.2	80.31548		-90.2	66.4	42.2 29.0	22.6 22.9	160.95447 4- 5 164.84760 5- 6
7 -18.811 -20.811 1777.86189 -37 8 -18.803 -26.894 1721.51936 -21		-81.9	54-6	83.72773		-95.7	68.3	42.5 37.8	21.7	183.84858 6- 7
9 -18.912 -32.569 1701.56821 -1		-79.1 -76.2	64.9 76.8	81.43136 80.08480		-95.2 -94.8		47.9 31.9 53.3 29.5	9.9 -1.5	174.39985 7-8 162.67996 8-9
10 -13.185 -32.854 1631.25621 -2	7 2.8	-78.0	72.0	77.15818		-90.2		53.1 18.3	0.8	173.66033 9-10
11 -7.981 -33.095 1595.91579 -6 12 -3.963 -38.125 1599.55333 98		-80.3 -82.3		75.15081		-85.6		53.2 7.6	1.4	157.76907 10-11
13 -3.690 -33.284 1588.84425 -148			80.1 54.9	72.09621 72.54379		-82.2 -81.6		58.9 9.3 53.7 1.6	-9.3 0.7	194.34328 11-12 146.54816 12-13
14 -3.375 -28.340 1604.52025 -97	1 3.5	-82.8	37.3	75.03014	0.997	-80.9	59.3	48.4 11.2	10.8	149.75384 13-14
15 -3.004 -23.122 1649.31586 -93 16 -2.554 -17.382 1729.03842 -92		-82.6 -82.1		76.72820 79.29970		-80.1		43.1 21.8	21.2	158.22200 14-15
17 -7.142 -16.769 1740.44063 -76		-82.4	28.9	80.75688		-19.0 -84.2		38.0 32.7 37.2 34.0	32.0 33.8	174.17406 15-16 140.19494 16-17
18 -12.730 -15.664 1787.42313 -60		-83.3	38.2	83.36245	0.794	-90.3	72.5	36.9 38.7	34.7	172.42163 17-18
19 -18.978 -13.890 1880.86368 -48 20 -26.574 -10.758 2047.00703 -39		-85.3 -89.9	45.9 52.1	87.37847		-96.3		37.2 46.4	34.5	196.18380 18-19
21 -25.886 -18.988 1914.48416 -28		-83.9	60.5	93.89718 88.96358	0.673	-102.2		38.2 57.2 43.4 48.9	34.2 19.0	246.09851 19-20 224.52571 20-21
22 -25.604 -25.88/ 1844.5/108 -16		73.5	63.3	86.05151	6.737	-100 · 1	65.0	48.6 43.6	6.0	188.39296 21-22
23 -25.585 -32.198 1819.11525 -1 24 -25.785 -38.330 1831.65698 13		-75.5 -71.4	80.3	84.41713 83.79418		~99.3		53.9 41.5	-6.1	172.39162 22-23
25 -19.126 -38.108 1713.78923 18		-73.0	89.8	79.52338		-98.7 -94.4	52.4	59.0 42.6 58.6 31.0	-17.8	167.47750 23-24 201.81538 24-25
26 -13.416 -38.035 1643.10976 27			87.9	76.64140	0.953	-90.2	51.1	58.4 20.6	-9.8	172.94677 25-26
27 -8.233 -38.053 1607.24199 51 28 -3.963 -38.125 1599.55333 98			85.3 80.1	74.67535 72.09621		-85.9 -82.2		58.5 12.1	-8.9	156.99083 26-27
20 31703 301123 1377133333 70	, 1.3	-02.3	00.1	12.09621	0.980	-82.2	44.6	58.9 9.3	-9.3	129.37467 27-28
NII V 21 10// 12 00 12 070 22 656			TAB NO	54	ATLA	S PHOTO	NO	54	POD S	SEQUENCE NO 114
JULY 31,1964 13 HR 13 MIN 23 SEC	16 MS									
TRAJECTURY DATA		SEC TO 744.		ALT 1578.54544	LAT -4.3			R 3314.001	v 2.036	PTH AZ -73.125 116.752
PHOTO DATA PT LAT LON RANGE AZS.	C AZN									
1 -11.703 -18.337 1726.87404 -15.		AZSUN -78.3	AZA 67.5	A= 79.07679		AZPHAZ -93.3	1NCD	PHAZ EMIS 38.9 33.7	AL PHA	SCALE PT-PT
2 -12.988 -27.506 1638.45641 -31	8 6.8 8 5.8	-78.3 -79.9	6 <b>7.</b> 5 58.2	79.07679 77.86652	0.898	-93.3 -90.2	69.8 61.1	38.9 33.7 47.6 21.6	ALPHA 30.1 11.7	SCALE PT-PT 0. 0-1 274.06978 1+2
2 -12.988 -27.506 1638.45641 -31 3 -8.008 -33.011 1586.00090 -6	8 6.8 8 5.8 9 2.6	-78.3 -79.9 -80.3	67.5 58.2 64.0	79.07679 77.86652 74.69143	0.898 0.930 1.000	-93.3 -90.2 -85.6	69.8 61.1 55.0	38.9 33.7 47.6 21.6 53.2 7.7	30.1 11.7 1.4	0. 0-1 274.06978 1-2 222.74232 2-3
2 -12.988 -27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00990 -6 4 -7.749 -27.978 1602.01649 -55. 5 -7.474 -22.656 1647.93253 -70.	8 6.8 8 5.8 9 2.6 5 4.4 3 6.2	-78.3 -79.9 -80.3 -81.2	67.5 58.2 64.0 49.0	79.07679 77.86652 74.69143 75.77925	0.898 0.930 1.000 0.976	-93.3 -90.2 -85.6 -85.2	69.8 61.1 55.0 60.0	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6	30.1 11.7 1.4 11.9	0. 0-1 274.06978 1-2 222.74232 2-3 151.20812 3-4
2 -12 988 -27.506 1638.45641 -31.3 -8.008 -33.011 1586.00090 -6.4 -7.749 -27.978 1602.01649 -55.5 -7.474 -22.656 1647.93253 -70.6 -12.835 -21.914 1687.83183 -49.	8 6.8 8 5.8 9 2.6 5 4.4 3 6.2 9 8.6	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5	67.5 58.2 64.0 49.0 37.5 47.2	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307	0.898 0.930 1.000 0.976 0.927 0.878	-93.3 -90.2 -85.6 -85.2 -84.8 -90.2	69.8 61.1 55.0 60.0 65.2 66.4	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6 42.5 23.3 42.2 29.0	30.1 11.7 1.4 11.9 22.6 22.9	0. 0-1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6
2 -12.988 -27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00090 -6. 4 -7.4749 -27.978 1602.01649 -5. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -49. 7 -18.771 -20.799 1767.12621 -37.	8 6.8 8 5.8 9 2.6 5 4.4 3 6.2 9 8.6 0 12.1	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5 -82.0	67.5 58.2 64.0 49.0 37.5 47.2 54.6	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307 83.22219	0.898 0.930 1.000 0.976 0.927 0.878 0.798	-93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	69.8 61.1 55.0 60.0 65.2 66.4 68.3	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6 42.5 23.3 42.2 29.0 42.5 37.8	30.1 11.7 1.4 11.9 22.6 22.9 21.8	0. 0-1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7
2 -12 -988 -27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00090 -6. 4 -7.749 -27.978 1602.01649 -55. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -49. 7 -18.771 -20.799 1767.12621 -37. 8 -18.762 -26.845 1711.02647 -21. 9 -18.869 -32.484 1690.99551 -1.	8 6.8 8 5.8 9 2.6 5 4.4 3 6.2 9 8.6 0 12.1 5 7.7	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5	67.5 58.2 64.0 49.0 37.5 47.2 54.6	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307 83.22219 80.93496	0.898 0.930 1.000 0.976 0.927 0.878 0.798 0.853	-93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	69.8 61.1 55.0 60.0 65.2 66.4 68.3 62.7	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6 42.5 23.3 42.2 29.0 42.5 37.8 47.9 31.9	30.1 11.7 1.4 11.9 22.6 22.9 21.8 9.9	0. 0-1 274.06978 1-2 2222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7 173.37299 7-8
2 -12.988 -27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00090 -6. 4 -7.749 -27.978 1602.01649 -5. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -49. 7 -18.771 -20.799 1767.12621 -3. 8 -18.762 -26.845 1711.02647 -21. 9 -18.869 -32.484 1690.99551 -1. 10 -13.179 -32.770 1621.17245 -2.	8 6.8 8 5.8 9 2.6 5 4.4 3 6.2 9 8.6 0 12.1 5 7.7 9 3.3 9 2.8	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5 -82.0 -79.1 -76.3 -78.0	67.5 58.2 64.0 49.0 37.5 47.2 54.6 64.8 76.6 71.8	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307 83.22219 80.93496 70.58702 76.68121	0.898 0.930 1.000 0.976 0.927 0.878 0.798 0.853 0.879 0.954	-93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2	69.8 61.1 55.0 60.0 65.2 66.4 68.3 62.7 57.5	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6 42.5 23.3 42.2 29.0 42.5 37.8 47.9 31.9 53.3 29.4 53.1 18.3	30.1 11.7 1.4 11.9 22.6 22.9 21.8 9.9 -1.4 0.9	0. 0 1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7 173.37299 7-8 161.70306 8-9 172.56180 9-10
2 -12 988 -27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00090 -6. 4 -7.4749 -27.978 1602.01649 -55. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -9. 7 -18.771 -20.799 1767.12621 -37. 8 -18.762 -26.845 1711.02647 -21. 9 -18.869 -32.484 1690.99551 -1. 10 -13.179 -32.770 1621.17245 -2. 11 -8.008 -33.011 1586.00090 -6.	8 6.8 8 5.8 9 2.6 5 4.4 3 6.2 9 8.6 0 12.1 7.7 9 3.3 9 2.8 9 2.6	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5 -82.0 -79.1 -76.3 -78.0 -80.3	67.5 58.2 64.0 49.0 37.5 47.2 54.6 64.8 71.8 64.0	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307 83.22219 80.93496 79.58702 76.68121 74.69143	0.898 0.930 1.000 0.976 0.927 0.878 0.798 0.853 0.879 0.954 1.000	-93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6	69.8 61.1 55.0 60.0 65.2 66.4 68.3 62.7 57.5 56.0 55.0	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6 42.5 23.3 42.2 29.0 42.5 37.8 47.9 31.9 53.3 29.4 53.1 18.3 53.2 7.7	30.1 11.7 1.4 11.9 22.6 22.9 21.8 9.9 -1.4 0.9	0. 0 1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7 173.37299 7-8 161.70306 8-9 172.56180 9-10 156.80186 10-11
2 -12 988 - 27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00090 -6. 4 -7.4749 -27.978 1602.01649 -55. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -9. 7 -18.771 -20.799 1767.12621 -37. 8 -18.762 -26.845 1711.02647 -21. 9 -18.869 -32.484 1690.99551 -1. 10 -13.179 -32.770 1621.17245 -2. 11 -8.008 -33.011 1586.00090 -6. 12 -4.014 -38.009 1589.26736 -98. 13 -3.743 -33.199 1578.86717 -18.	8 6.8 8 5.8 9 2.6 5 4.4 3 6.2 9 8.6 0 12.1 5 7.7 9 3.3 9 2.6 1 1.3	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5 -82.0 -79.1 -76.3 -78.0	67.5 58.2 64.0 49.0 37.5 47.2 54.6 64.8 76.6 71.8	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307 83.22219 80.93496 79.58702 76.68121 74.69143 71.60869	0.898 0.930 1.000 0.976 0.927 0.878 0.798 0.853 0.853 0.879 0.954 1.000 0.980	-93.3 -90.2 -85.6 -85.2 -90.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2	69.8 61.1 55.0 60.0 65.2 66.4 68.3 62.7 57.5 56.0 55.0 49.7	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6 42.5 23.3 42.2 29.0 42.5 37.8 47.9 31.9 53.3 29.4 53.1 18.3 53.2 7.7 58.9 9.2	30.1 11.7 1.4 11.9 22.6 22.9 21.8 9.9 -1.4 0.9 1.4	0. 0 - 1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7 173.37299 7-8 161.70306 8-9 172.56180 9-10 156.80186 10-1 193.10725 11-12
2 -12 -988 -27.506 1638.45641 -31. 3 -8 .008 -33.011 1586.00090 -6. 4 -7.749 -27.778 1602.01649 -55. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -49. 7 -18.771 -20.799 1767.12621 -37. 8 -18.762 -26.845 1711.02647 -21. 9 -18.869 -32.484 1690.99551 -1. 10 -13.179 -32.770 1621.17245 -2. 11 -8.008 -33.011 1586.00090 -12 -4.014 -38.009 1539.26736 98. 13 -3.743 -33.199 1578.86717 -145. 14 -3.429 -28.286 1594.61165 -96.	8 6.8 8 5.8 9 2.6 5 4.4 2 9 8.6 0 12.1 7 7.7 9 2.8 9 2.6 1 1.3 0 2.4 7 3.5	-78.3 -79.9 -80.3 -81.9 -81.5 -82.0 -79.1 -76.3 -78.0 -80.3 -82.8	67.5 58.2 64.0 49.0 37.5 47.5 64.6 71.8 64.0 79.5 54.7 37.4	79.07679 77.86652 74.69143 75.47925 77.56213 79.83307 83.22219 80.93496 79.58702 76.68121 74.69143 71.60869 72.08798 74.56659	0.898 0.930 1.000 0.976 0.927 0.878 0.798 0.853 0.879 0.954 1.000 0.980 0.980	-93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6	69.8 61.1 55.0 60.0 65.2 66.4 68.3 62.7 57.5 56.0 55.0 49.7 54.4	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6 42.5 23.3 42.2 29.0 42.5 37.8 47.9 31.9 53.3 29.4 53.1 18.3 53.2 7.7 58.9 9.2 53.7 1.6 48.4 11.3	30.1 11.7 1.4 11.9 22.6 22.9 21.8 9.9 -1.4 0.9 1.4 -9.2 0.7	0. 0 - 1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7 173.37299 7-8 161.70306 8-9 172.56180 9-10 156.80186 10-11 193.10725 11-12 145.59887 12-13 148.83816 13-14
2 -12 988 -27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00090 -6 4 -7.749 -27.978 1602.01649 -55. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -40. 7 -18.771 -20.799 1767.12621 -37. 8 -18.762 -26.845 1711.02647 -21. 9 -18.869 -32.484 1690.99551 -1. 10 -13.179 -32.770 1621.17245 -2. 11 -8.008 -33.011 1586.00090 -6. 12 -4.014 -38.009 1589.26736 98. 13 -3.743 -33.199 1578.86717 -145. 14 -3.429 -28.286 1594.61165 -96. 15 -3.060 -23.098 1639.22545 -93.	8 6.8 8 5.8 9 2.6 5 4.4 4.4 9 8.6 0 12.1 7.7 9 2.8 9 2.6 1 1.3 0 2.4 5 7 3.5 7 3.5	-78.3 -79.9 -80.3 -81.9 -81.5 -82.0 -79.1 -76.3 -78.0 -80.3 -82.3 -82.6	67.5 58.2 64.0 49.5 47.2 54.6 64.8 76.8 64.0 79.5 54.7 26.6	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307 83.22219 80.93496 79.58702 76.68121 74.69143 71.60869 72.08798 74.556659 74.55836	0.898 0.930 1.000 0.976 0.927 0.878 0.798 0.853 0.879 0.954 1.000 0.980 0.980 0.996	-93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.1	69.8 61.1 55.0 60.0 65.2 66.4 68.3 62.7 57.5 56.0 549.7 549.4 59.3 64.5	38.9 33.7 47.6 21.6 53.2 7.7 47.8 13.6 42.5 23.3 42.5 37.8 47.9 31.9 53.1 18.3 53.2 7.7 53.1 18.3 53.2 7.7 1.6 48.4 11.3	30.1 11.7 1.4 11.9 22.6 22.9 21.8 9.9 -1.4 0.9 1.4 -9.2 0.7 10.9 21.2	0. 0 - 1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7 173.37299 7-8 161.70306 8-9 172.56180 9-10 156.80186 10-11 193.10725 11-12 145.59887 12-13 148.83816 13-14 157.27537 14-15
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2 - 12 988 - 27.506 1638.45641 - 31. 3 -8.008 - 33.011 1586.00090 - 6. 4 - 7.749 - 27.978 1602.01649 - 55. 5 - 7.474 - 22.656 1647.93253 - 70. 6 - 12.835 - 21.914 1687.83183 - 49. 7 - 18.771 - 20.799 1767.12621 - 37. 8 - 18.762 - 26.845 1711.02647 - 21. 9 - 18.869 - 32.484 1690.99551 - 1. 10 - 13.179 - 32.770 1621.17245 - 2. 11 - 8.008 - 33.011 1586.00090 - 6. 12 - 4.014 - 38.009 1599.26736 - 98. 13 - 3.743 - 33.199 1578.86717 - 145. 14 - 3.429 - 28.286 1594.61165 - 96. 15 - 3.060 - 23.098 1639.22545 - 93. 16 - 2.613 - 17.393 1718.45767 - 92. 17 - 7.173 - 16.782 1729.92633 - 76. 18 - 12.727 - 15.683 1776.68048 - 60. 19 - 18.937 - 13.923 1869.44638 - 68. 20 - 26.478 - 10.826 2034.02702 - 39. 21 - 25.797 - 18.992 1902.60788 - 28. 22 - 25.517 - 25.843 1833.07555 - 16. 3 - 25.495 - 32.112 1807.55555 - 1.	8 6.889 2.68 4.42 9 5 4.42 9 8 .63 9 12.11 5 7 3.38 9 12.43 11.45	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5 -82.0 -79.1 -76.3 -78.0 -80.3 -82.3 -82.4 -82.4 -82.4 -82.4 -83.3 -85.3 -89.8 -83.9 -79.5	67.5 58.2 64.0 49.0 37.5 54.6 671.8 676.6 64.6 71.8 64.5 54.7 26.6 238.3 452.1 60.4 690.1	79.67679 77.86652 74.69143 75.77925 77.56213 79.83307 74.58702 74.58702 74.60869 72.08798 74.56659 76.25836 78.81379 80.26871 82.86144 86.84826 93.30205 88.41163 85.51494 83.88023	0.898 0.930 0.976 0.927 0.878 0.798 0.879 0.853 0.879 0.980 0.998 0.948 0.975 0.705 0.705 0.705 0.705 0.705 0.705	-93.3 -90.2 -85.6 -85.2 -94.8 -90.2 -95.7 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -95.7 -94.8 -90.2 -95.7 -96.3	69.8 61.1 55.0 66.2 66.4 62.7 55.0 68.3 57.5 55.0 49.7 71.0 77.0 77.0 77.0 77.0 77.0 77.0 77	38.9 33.7 53.2 7.7 53.2 7.7 47.8 13.6 42.5 23.3 42.2 29.0 47.9 31.9 53.3 29.4 53.1 18.3 55.3 29.4 53.1 21.8 38.0 32.7 37.2 34.0 38.0 32.7 37.2 34.0 38.0 32.7 37.2 46.4 43.4 48.8 48.6 43.6	30.1 11.7 1.4 11.9 22.9 21.8 9-1.4 0.9 1.4 -9.2 0.7 10.9 21.2 32.0 34.6 34.5 119.0 6.0	0. 0 - 1 274.06978
2 -12 988 -27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00090 -6. 4 -7.749 -27.978 1602.01649 -55. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -9. 7 -18.771 -20.799 1767.12621 -37. 8 -18.762 -26.465 1711.02.647 -21. 9 -18.869 -32.484 1690.99551 -1. 10 -13.179 -32.770 1621.17245 -2. 11 -8.008 -33.011 1586.00090 -6. 12 -4.014 -38.009 1589.26736 98. 13 -3.743 -33.191 1578.86717 -18. 14 -3.429 -28.286 1594.61165 -96. 15 -3.060 -23.098 1639.22545 -93. 16 -2.613 -17.393 1718.45767 -92. 17 -7.173 -16.782 172.92633 -76. 18 -12.727 -15.683 1776.88048 -60. 19 -18.937 -13.923 1869.44638 -48. 20 -26.478 -10.826 2034.02702 -39. 21 -25.5797 -18.992 1902.60788 -28. 22 -25.517 -25.843 1833.07555 -16. 23 -25.495 -32.112 1807.55555 -1. 24 -25.691 -38.198 1819.63312 13. 25 -19.080 -37.986 1702.83205	8 6.8 8 9 2.6 6.2 9 8.6 6.2 9 8.6 6.2 9 8.6 6.2 1 7 9 3.3 8 9 9 2.8 6 9 1 1 1.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5 -82.0 -79.1 -76.3 -80.3 -82.8 -82.8 -82.6 -82.1 -83.3 -85.3 -85.3 -75.6	67.5 58.2 64.0 49.0 547.2 54.6 64.6 64.0 754.7 37.4 64.0 19.2 28.3 45.8 60.4 69.1 1.5	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307 79.58702 74.69143 74.60869 72.08798 74.56659 74.25836 78.81379 80.26871 82.86144 86.84826 93.30208 83.24357 79.01471	0.898 0.930 0.976 0.927 0.878 0.798 0.853 0.853 0.879 0.950 0.980 0.998 0.948 0.870 0.948 0.674 0.705 0.562 0.674 0.767 0.767 0.877	-93.3 -90.2 -85.6 -85.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3 -102.2 -101.1 -100.1 -99.3 -98.5	69.8 61.1 560.0 65.2 668.3 7555.0 555.0 771.0 771.0 771.0 771.0 771.0 771.0 771.0 771.0 771.0 771.0 771.0 771.0 771.0 771.0	38.9 33.7 53.2 7.7 53.2 7.7 54.8 13.2 64.5 23.3 42.2 29.0 44.5 37.8 47.9 31.9 53.1 18.3 53.3 29.4 53.1 18.3 53.2 7.7 58.9 9.2 53.7 11.3 38.0 32.7 37.2 34.0 36.9 38.7 37.2 46.4 48.4 48.8	30.1 11.7 1.4 22.6 22.9 21.8 9.9 -1.4 0.9 21.2 32.0 33.7 34.5 34.1 19.0 -6.0 -17.6	0. 0 - 1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7 173.37299 7-8 161.70306 8-9 172.56180 9-10 156.80186 10-11 193.10725 11-12 145.5987 12-13 148.83816 13-14 157.27537 14-15 173.10626 15-16 139.35317 16-15 173.10626 15-16 139.35317 16-15 173.10626 15-16 139.35317 16-15 173.10628 15-16 139.35317 16-15 173.10628 15-16 139.35317 16-15 173.10628 15-16 139.35317 16-15 173.10629 15-16 139.35317 16-15 173.10629 15-16 139.35317 16-15 173.10629 15-16 139.35317 16-15 173.29931 17-18 194.9493 18-19 222.95431 20-21
2 -12 .988 -27.506 1638.45641 -31.3 -8 .008 -33.011 1586.00090 -6 .4 -7 .749 -27.978 1602.01649 -55.5 -7 .474 -22.656 1647.93253 -70.6 -12.835 -21.914 1687.83183 -49.7 -18 .771 -20.799 1767.12621 -37 .8 -18 .762 -26.485 1711.02647 -21.9 -18 .869 -32.484 1690.99551 -1 .10 -13.179 -32.770 1621.17245 -2 .11 -8 .008 -33.011 1586.00090 -6 .12 -4 .014 -38.009 1589.26736 98 .13 -3 .743 -333.199 1578.86717 -145.14 -3 .429 -28 .286 1594.61165 -96 .16 -2 .613 -17.393 1718.45767 -92 .17 -7 .7173 -16.782 1729.92633 -76 .18 -12 .727 -15 .683 1776.68048 -60 .19 -18 .937 -13.923 1809.44638 -60 .19 -18 .937 -13.923 1809.44638 -60 .26 .478 -10.826 2034.02702 -39 .22 -25 .517 -25 .843 1833.07555 -16 .23 -25 .495 -32.112 1807.55553 -1 .32 -25 .691 -38.198 1819.63312 13.25 -19 .080 -37.986 1702.826315 12 .25 -19 .080 -37.986 1702.83205 18 .26 -13.408 -37.917 1632.68311 27 .	8 6.8 8 9 2.6 6.2 2 9 8 6.0 2 9 8 6.0 2 9 8 6.0 2 9 8 6.0 2 9 8 6.0 2 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5 -82.8 -82.8 -82.8 -82.8 -82.8 -82.8 -82.8 -82.8 -82.8 -83.3 -89.8 -75.6 -75.6 -73.1	67.5 584.0 49.0 547.2 54.6 761.8 761	79.67679 77.86652 74.69143 75.77925 77.56213 79.83307 76.58702 76.68121 74.69143 71.60869 72.08798 74.56659 76.25836 78.81379 80.26871 82.86144 86.84826 93.30205 88.41163 85.51494 83.88023 83.24357 79.01471 76.15505	0.898 0.930 0.976 0.977 0.878 0.798 0.853 0.853 0.879 0.979 0.980 0.998 0.998 0.970 0.870 0.870 0.870 0.870 0.674 0.705 0.674 0.738 0.764 0.764 0.873	-93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.1 -79.0 -84.2 -90.3 -102.2 -101.1 -99.3 -102.2 -99.3 -99	69.8 61.1 60.0 65.2 66.4 66.5 66.7 57.5 55.0 60.0 71.0 71.0 77.0 71.0 77.1 71.0 77.1 71.0 77.1 71.0 71.0	38.9 33.7 53.2 7.7 53.2 7.7 54.6 13.6 42.5 23.3 42.5 37.8 47.9 31.9 53.1 18.3 53.3 29.4 53.1 18.3 53.9 9.2 53.1 18.3 38.0 32.7 7.7 58.9 9.2 53.7 18.3 38.0 32.7 37.2 34.0 38.7 34.0 38.	30.1 11.7 1.4 11.6 22.9 21.8 9 -1.4 0.7 10.9 23.7 21.2 33.7 6.0 -17.6 -12.7	0. 0 - 1 274.06978 1-2 222.74232 2-3 151.20812 3-4 160.00495 4-5 163.86880 5-6 182.71615 6-7 173.37299 7-8 161.70306 8-9 172.56180 9-10 156.80186 10-1 193.10725 11-12 145.59887 12-13 148.83816 13-14 157.27537 14-15 173.10266 15-16 139.35317 16-17 171.39681 17-18 194.94493 18-19 244.20894 19-20 222.95531 20-21 187.24051 21-22 171.33913 22-23 166.33656 23-24 200.32909 24-25 171.81139 25-26
2 -12 .988 - 27.506 1638.45641 -31. 3 -8.008 -33.011 1586.00090 -6. 4 -7.749 -27.978 1602.01649 -55. 5 -7.474 -22.656 1647.93253 -70. 6 -12.835 -21.914 1687.83183 -9. 7 -18.771 -20.799 1767.12621 -37. 8 -18.762 -26.845 1711.02647 -21. 9 -18.869 -32.484 1690.99551 -1. 10 -13.179 -32.770 1621.17245 -2. 11 -8.008 -33.011 1586.00090 -6. 12 -4.014 -38.009 1589.26736 98. 13 -3.743 -33.191 1578.86717 -18. 14 -3.429 -28.286 1594.61165 -96. 15 -3.060 -23.098 1639.22545 -93. 16 -2.613 -17.393 1718.45767 -92. 17 -7.173 -16.782 1729.92633 -76. 18 -12.727 -15.683 1776.68048 -60. 19 -18.937 -13.923 1869.44638 -48. 20 -26.478 -10.826 2034.02702 -39. 21 -25.797 -18.992 1902.60788 -28. 22 -25.517 -25.8843 1833.07555 -16. 23 -25.495 -32.112 1807.55555 -1. 23 -25.495 -32.112 1807.55555 -1. 25 -19.080 -37.986 1702.83205 18.	8 6.8 8 9 2.6 6.2 9 12.1 17.7 3 9 8 8 6.2 6 9 12.1 17.7 3 9 9 12.1 12.4 6 7 18 11.4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-78.3 -79.9 -80.3 -81.2 -81.9 -81.5 -82.0 -79.1 -76.3 -80.3 -82.8 -82.8 -82.6 -82.1 -83.3 -85.3 -85.3 -75.6	67.5 58.2 64.0 49.0 547.2 54.6 64.6 64.0 754.7 37.4 64.0 19.2 28.3 45.8 60.4 69.1 1.5	79.07679 77.86652 74.69143 75.77925 77.56213 79.83307 79.58702 74.69143 74.60869 72.08798 74.56659 74.25836 78.81379 80.26871 82.86144 86.84826 93.30208 83.24357 79.01471	0.898 0.930 0.930 0.976 0.976 0.853 0.853 0.853 0.853 0.874 1.000 0.980 0.980 0.986 0.986 0.978 0.878 0.878 0.876 0.738 0.746 0.746 0.746 0.767 0.767 0.767 0.877 0.877 0.877	-93.3 -90.2 -85.6 -85.6 -85.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3	69.8 61.1 60.0 65.4 66.3 62.7 55.0 62.7 55.0 77.2 64.5 77.1 65.1 65.4 65.4 65.5 65.5 77.5 77.5 77.5 77.5 77.5 77.5	38.9 33.7 54.6 42.5 23.3 42.2 29.0 42.5 53.3 29.4 553.1 18.3 29.4 553.1 21.8 8.9 9.2 53.7 1.6 6.3 21.7 37.2 34.0 32.7 37.2 46.4 33.6 43.6 43.6 43.6 43.6 43.6 43.6	30.1 11.7 1.4 11.9 22.9 21.8 9.9 -1.4 -9.7 10.9 23.0 34.6 34.5 119.0 -6.0 -17.6 -12.4 -9.8	0. 0 - 1 274.06978

						RA-VII	CAMERA	FA							28
JULY	31,196	4 13 HR	: 13 MIN 29	SEC 36	MS	1	AB NO	55	ATLA	s РНОТО	NO	55	POD S	EQUENCE NO	116
	JECTORY					SEC TO 739.		ALT 1568.56329	LAT	09 -33.		R 3304.0	v 19 2.039	PTH -73.090 11	AZ 6.746
PHO	TO DATA	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A *	B/A	AZPHAZ	TNCD	PHAT FMI	S ALPHA	SCALE	PT-PT
			1716.09503		6.8	-78.4	67.4	78.59198				38.9 33.		0.	0- 1
2 -1	2.984	-27.454	1628.44130	-31.9	5.8	-79.9	58.1	77.39056				47.6 21.			1- 2
			1576.07819	~7.4 -55.5	2.6	-80.3 -81.2	64.4 48.9	74.22528 75.31327		-85.6 -85.2	55.1	53.2 7. 47.9 13.	7 11.9	221.41779 150.28802	2- 3 3- 4
			1592.16660	-70.2	6.2	-81.9	37.5	77.08983				42.5 23.		159.05411	4- 5
			1677.62044	-49.9	8.6	-81.5	47.1	79.35007				42.2 29.		162.88869	5- 6
7 -1	8.731	-20.787	1756-37784	-37.1	12.1	-82.0	54.5	82.71604				42.5 37.		181.58234	6- 7 7- 8
8 -1	8.722	- 26.795	1700-52234	-21.6	7.7	-79.2 -76.4	64.7 76.4	80-43802				47.9 31. 53.3 29.		172.34465 160.72515	8- 9
			1611.07991	-3.2	3.3 2.9	-78.0	71.6	79.08863 76.20383				53.1 18.		171.46223	9-10
			1576.07819	-7.4	2.6	-80.3	64.4	74.22528		-85.6	55.1	53.2 7.	1 1.5	155.83379	
12 -	4.066	-37.893	1578.97789	97.8	1.3	-82.2	78.9	71.12165			49.8			191.87127	
13 -	3.196	-33.114	1568.88374		2.5	-82.6 -82.7	54.6 37.4	71.63212			54.5	53.7 1. 48.4 11.		144.64976	
14 -	3.483	- 28 - 231	1584.69485	-96.4 -93.4	3.5		26.8	74.10265 75.78809				43.1 21.		156.32765	
			1707.86739	-92.3	5.2	-82.1	19.4	78.32744		-79.0	70.1	38.0 32.	7 32.0	172.03764	15-16
	7.204	-16.794	1719.40060	-76.3	7.8	-82.4	29.0	79.78001		-84.2	71.0	37.2 34.	0 33.7	138.51046	
	2.725	-15.701	1765.92508	-60-3	11.4	-83.3	38.3	82.35983				36.9 38.		170.37054 193.70513	
	8 . 896	-13.955	1858.01646 2021.04173	-48.1 -39.3	16.4 24.5	-85.3 -89.8	45.8 52.0	86.31747 92.70666		-96.3	78.4	37.2 46. 38.2 57.		242.32444	19-20
	6.382 5.709	-10.894	1890.72169	-29.0	17.7	-83.9	60.3	67.85923			71.1	43.4 48	7 19.0	221.38534	20-21
	5.429	-25.800	1821.57089	-16.2	11.0	-79.6	69.7	84.97794	0.739	-100.1		48.6 43.		186.08697	
23 -2	5.406	-32.025	1795.98970	-1.5	4.1	-75.7	80.0	83.34304		-99.3		53.9 41.		170.28582	
	5.597		1807-60884	13.4	-2.9 -1.2	-71.6 -73.2	1.0 89.2	82.69295 78.50580		-96.7 -94.5		59.0 42. 58.6 30		198.84562	
	9.035	-37.799	1691.86987 1622.25072	18.0 27.0	-0.2	-75.8	87.2	75.66843		-90.2		58.4 20		170.67599	25-26
27 -	8.282	- 37.821	1586.76770	50.0	0.7	-79.1	82.0	73.72356		-85.9	50.3	58.5 12	0 -8.7	155.00932	26-27
28 -	4.066	-37.893	1578.97789	97.8	1.3	-82.2	78.9	71.12165		-82.2	49.8	56.9 9	1 -9.1	127.72992	27-28
							TAB NO	56	ATL	AS PHOTO	NO	56	POD 9	SEQUENCE NO	118
JULY	31,19	54 13 HI	R 13 MIN 34	SEC 155	MS		IAB NO	36	AID.	13 111010	110	30		2202.1102 110	
TRA	JECTOR	Y DATA				SEC TO 734.		ALT 1558.57220	LA			R 3294 -	v 027 2.041	PTH -73.055 11	AZ 6.740
	TO DAT													CCAL C	PT-PT
	LAT	LON	RANGE	AZS/C -16.1	AZN 6.8	AZSUN -78.4	AZA	A* 78.10682	B/A		INCD	38.9 33	LS ALPHA	SCALE 0.	0-1
	2.979	-18.373	1705.30484	-32.0	5.8	-79.9		76.91433			61.2	47.6 21	7 11.8	269.91233	1- 2
			1566.14807	-8.0	2.6	-80.3		73.75766		-85.6	55.2	53.2 7	.B 1.6	220.09315	2- 3
4 -	7.804	-27.869	1582.31194	-55.5	4.5	-81.2		74.84705		-85.2		47.9 13		149.36785	3~ 4 4- 5
	7.532		1627.87010	-70.1	6.2	-81.9 -81.6		76.61749 78.86701		-84.8	65.2	42.5 23	.3 22.6 .1 22.9	158.10431 161.90839	5- 6
	2.828 8.691		1667.40782 1745.62956	-49.9 -37.1	8.7 12.1	-82.0	54.5	82.20990			68.3	42.5 37	.7 21.8	180.44914	6- 7
	8.681		1690.01308	-21./	7.7	-79.2		79.94084		-95.2	62.8	47.9 31	.9 10.1	171.31783	7- B
	8.784	-32.313	1669.82422	-2.2	3.3	-76.4	76.2	78.59025				53.3 29		159.74732	8~ 9
	3.167		1600.97903	-3.4	2.9	-78.1	71.3	75.72605				53.1 18 53.2 7		170.36208	9-10
	8.059		1566.14807	-8.0 97.5	2.6	-80.3 -82.2	64.2 78.3	73.75766				58.9 9		190.63499	
	4.118 3.848		1568.68103		2.5	-82.6	54.4	71.17624				53.7 1		143.70031	
	-3.537		1574.77464		3.5	-82.7	37.5	73.63855	0.996	-80.9	59.4	48.4 11	.4 11.0	147.00555	13-14
15 -	3.172	-23.049	1619.02658	-93.2	4.4	-82.5	26.9	75.31784				43-1 21		155.38101	14-15
	-2.730		1697.28438		5.2		19.5	7/.84141				38.0 32 37.2 34		137.66850	
	-7 . 234 12 . 722		1708.88074	-76.2 -60.3	7.8 11.4	-82.4 -83.3	29.1 38.3	79.29157 81.85850				36.9 38		169.34488	17-18
	18.854		1846.59654		16.4	-85.3	45.8	85.78714	0.707	-96.3	74.7	37.2 46	.3 34.4	192.46800	18-19
20 -4	26.285	-10.960	2008.08167	-39.3	24.4	-89.7	52.0	92.11244	0.566	-102.2			.9 33.9	240.45209	
	25.620		1878.84178		17.7		60.3	87.30711	0.676	-101-1		43.4 48		219.82894 184.93659	
	25.342		1810.06467		4.2		69.5 79.8	84.44086 82.80560			59.7	48.6 43 53.9 41	.3 -5.8		22-23
	25.317 25.502		1795.57834		-2.8		0.7	82.14202		-98.7	54.7	59-0 42	-2 - 17.3	164-14699	23-24
25 -1	18.989	-37.740	1680.89790	17.8	-1.2	-73.3	88.9	77.99644	0.879	-94.5	52.7	58.6 30	.8 -12.1	197.36407	24-25
26 -	13.302		1611.80841		-0.1	-75.9	86.8	75.18135	0.954	-90.2	51.4	58.4 20	.5 -9.5	169.53965	25-26

			RA-VI	I CAMERA	A FA								29
JULY 31,1964 13 HR 13 MIN 39	SEC 275	MS		TAB NO	57	ATL	AS PHOTO	NO	57		POD :	SEQUENCE NO	120
TRAJECTORY DATA				IMPACT	ALT 1548.57236	LA 5 -4.		ON •467	226	R	V	PTH	AZ
PHOTO DATA					1340.31230	, -4.	+)( -))	.401	320	74.020	2.043	-73.019 11	0.133
PT LAT LON RANGE 1 -11.676 -18.393 1694.50354	AZS/C	AZN	AZSUN	AZA	A+	B/A	AZPHAZ		PHAZ			SCALE	PT-PT
2 -12.974 -27.347 1608.38889	-16.3 -32.1	6.8 5.8	-78.4 -79.9	67.0 57.9	77.62113 76.43758				38.9		30.0	0.	0- 1
3 -8-085 -32-756 1556-21028	-8.5	2.6	-80.3	64.0	73.28967		-85.6		47.6 53.2		11.9	267.82060 218.76668	1- 2 2- 3
4 -7.831 -27.814 1572.44733	-55.5	4.5	-81.2	48.8	74.38037	0.976	-85.2		47.9		12.0	148.44683	3~ 4
5 -7.561 -22.585 1617.82690	-70.1	6.2	-81.9	37.6	76.14461	0.926	-84.8	65.3	42.5	23.3	22.7	157.15312	4- 5
6 -12.825 -21.854 1657.18231 7 -18.651 -20.760 1734.86797	-50.0	8.7	-81.6	47.1	78.38335				42.2		23.0	160.92668	5- 6
7 -18.651 -20.760 1734.86797 8 -18.640 -26.694 1679.49240	-37.2 -21.8	12.1	-82.0 -79.3	54.4 64.4	81.70313 79.44312				42.5 47.9		21.8	179.31473	6- 7
9 -18.742 -32.227 1659.22583	-2.4	3.4	-76.5	75.9	78.09126				53.3		10.1	170.28939 158.76847	7- 8 8- 9
10 -13.161 -32.515 1590.86946	-3.7	2.9	-78.1	71.1	75.24786		-90.2		53.1		1.2	169.26121	9-10
11 -8.085 -32.756 1556.21028	-8.5	2.6	-80.3	64.0	73.28967		-85.6	55.3	53.2	7.8	1.7	153.89485	10-11
12 -4.169 -37.660 1558.38110 13 -3.901 -32.943 1548.89874	97.2	1.3	-82.2	77.7	70.14810				58.9	8.9	-8.9	189.39887	
14 -3.591 -28.119 1564.84602	-134.1 -95.7	3.5	-82.5 -82.6	54.3 37.6	70.72029 73.17407				53.7 48.4	1.6	1.0	142.75112	
15 -3.228 -23.025 1608.91754	-93.0	4.5	-82.5	27.0	74.84713				43.1		11.0	146.08854 154.43321	
16 -2.788 -17.425 1686.69070	-92.1	5.2	-82.0	19.7	77.35490	0.870	-79.0		38.0		32.0	169.90602	
17 -7.265 -16.817 1698.34828	-76.2	7.8	-82.4	29.2	78.80256				37.2		33.7	136.82538	
18 -12.719 -15.736 1744.41260 19 -18.812 -14.018 1835.16254	-60.3 -48.2	11.4	-83.3 -85.3	38.3	81.35653		-90.3	72.4	36.9		34.6	168.31773	
20 -26.189 -11.026 1995.11412	-39.4	16.4 24.3	-89.7	45.8 52.0	85.25616 91.51787			74.7	37.2 38.2		34.4	191.22969	
21 -25.531 -19.002 1866.95102	-29.1	17.6	-83.9	60.2	86.75450				43.4		19.1	238.58414	
24 -25.254 -25.712 1798.54898	16.4	10.9	-70 7	69.4	83.90335		-100.1		48.6		6.3	183.78489	
23 -25 - 227 - 31 - 851 1772 - 841 35	-1.7	4.2	-75.8	79.6	82.26789			59.8	53.9	41.2	-5.6	108-11434	
24 -25.408 -37.803 1783.54816 25 -18.943 -37.617 1669.92160	13.1	-2.7	-71.9	0.5	81.59111		-98.7	54.7	59.0	42.1	-17.1	163.03840	
26 -13 - 383 - 37 - 562 1601 - 36084	17.6 26.5	-1.1 -0.1	-73.4 -76.0	88.6 86.4	77.48688 74.69402		-94.5 -90.2	52.8 51.5		30.7	-12.0	195.88535	
27 -8.331 -37.587 1566.26598	49.1	0.7	-79.1	81.1	72.73651			50.6	58.4 58.5	11 0	-9.4 -8.5	168.40350 153.02458	
28 -4.169 -37.660 1558.38110	97.2	1.3	-82.2	77.7	70.14810					8.9	-8.9	126.08305	
JULY 31,1964 13 HR 13 HIN 44	SEC 395	MS		TAB NO	58	ATL	AS PHOTO	NO	58		POD S	SEQUENCE NO	122
TRAJECTORY DATA				TMPACT	ALT	LA		ON		R	v	РТН	AZ
***************************************			SEC TO										
				404	1538.56329	9 -4.	481 -33	.419	327	74.019		-72.984 11	6.727
PHOTO DATA	AZS/C	A7N	724	404	1538.56329						2.045	-72.984 11	
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077	AZS/C -16.4	AZN 6.8				B/A	AZPHAZ	INCD	PHAZ	EMIS	2.045 ALPHA	-72.984 11 SCALE	PT-PT
PHOTO DATA PT LAT LUN RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300	-16.4 -32.2	6.8 5.8	724. AZSUN -78.5 -79.9	AZA 66.9 57.8	77.13513 75.96063	B/A 0.898 0.929	AZPHAZ -93.3 -90.2	INCD 69.7 61.3	PHAZ 38.9 47.6	EMIS 33.5 21.8	2.045	-72.984 11	
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508	-16.4 -32.2 -9.1	6.8 5.8 2.6	724. AZSUN -78.5 -79.9 -80.3	AZA 66.9 57.8 63.7	A* 77.13513 75.96063 72.82134	B/A 0.898 0.929	AZPHAZ -93.3 -90.2 -85.6	INCD 69.7 61.3 55.4	PHAZ 38.9 47.6 53.2	EMIS 33.5 21.8 7.9	2.045 ALPHA 30.0 11.9 1.8	-72.984 11 SCALE 0. 265.69363 217.44059	PT-PT 0- 1 1- 2 2- 3
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927	-16.4 -32.2 -9.1 -55.5	6.8 5.8 2.6 4.5	724. AZSUN -78.5 -79.9 -80.3 -81.2	AZA 66.9 57.8 63.7 48.7	A# 77.13513 75.96063 72.82134 73.91352	8/A 0.898 0.929 1.000 0.975	AZPHAZ -93.3 -90.2 -85.6 -85.2	INCD 69.7 61.3 55.4 60.2	PHAZ 38.9 47.6 53.2 47.9	EMIS 33.5 21.8 7.9 13.9	2.045 ALPHA 30.0 11.9 1.8 12.1	-72.984 11 SCALE 0. 265.69363 217.44059 147.52595	PT-PT 0- 1 1- 2 2- 3 3- 4
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78587 6 -12.821 -21.832 1646.95865	-16.4 -32.2 -9.1	6.8 5.8 2.6	724. AZSUN -78.5 -79.9 -80.3	AZA 66.9 57.8 63.7 48.7 37.6	A# 77.13513 75.96063 72.82134 73.91352 75.67183	8/A 0.898 0.929 1.000 0.975 0.926	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8	INCD 69.7 61.3 55.4 60.2 65.3	PHAZ 38.9 47.6 53.2 47.9 42.5	EMIS 33.5 21.8 7.9 13.9 23.4	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7	-72.984 11 SCALE 0. 265.69363 217.44059 147.52595 156.20358	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78587 6 -12.821 -21.832 1646.95867 7 -18.610 -20.746 1724.11000	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2	6.8 5.8 2.6 4.5 6.2 8.7 12.1	724. AZSUN -78.5 -79.9 -80.3 -81.2 -81.9 -81.6 -82.0	AZA 66.9 57.8 63.7 48.7	A# 77.13513 75.96063 72.82134 73.91352	8/A 0.898 0.929 1.000 0.975 0.926 0.878	AZPHAZ -93.3 -90.2 -85.6 -85.2	INCD 69.7 61.3 55.4 60.2 65.3 66.5	PHAZ 38.9 47.6 53.2 47.9	EMIS 33.5 21.8 7.9 13.9 23.4 29.1	2.045 ALPHA 30.0 11.9 1.8 12.1	-72.984 11 SCALE 0. 265.69363 217.44059 147.52595	PT-PT 0- 1 1- 2 2- 3 3- 4
PHOTO DATA PT LAT LON RANGE 1 -11.666 - 18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78587 6 -12.821 -21.832 1646.95865 7 -18.610 -20.746 1724.11008 8 -18.599 -26.642 1668.96815	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8	724. AZSUN -78.5 -79.9 -80.3 -81.2 -81.9 -81.6 -82.0 -79.3	AZA 66.9 57.8 63.7 48.7 37.6 47.1 54.3 64.3	A* 77.13513 75.96063 72.82134 73.91352 75.67183 77.89978 81.19653 78.94523	B/A 0.898 0.929 1.000 0.975 0.926 0.878 0.798 0.854	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	INCD 69.7 61.3 55.4 60.2 65.3 66.5 68.3	PHAZ 38.9 47.6 53.2 47.9 42.5 42.2 42.5	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8	ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2	-72.984 11 SCALE 0. 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
PHOTO DATA PT LAT 1-11.666 -18.412 1683.69077 2-12.970 -27.292 1598.35300 3-8.111 -32.669 1546.26508 4-7.858 -27.758 1562.57927 5-7.590 -22.560 1607.78587 6-12.821 -21.832 1646.95865 7-18.610 -20.746 1724.11000 8-18.599 -32.139 1648.61917	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -2.5	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4	724. AZSUN -78.5 -79.9 -80.3 -81.2 -81.9 -81.6 -82.0 -79.3 -76.6	AZA 66.9 57.8 63.7 48.7 37.6 47.1 54.3 64.3 75.7	A* 77.13513 75.96063 72.82134 73.91352 75.67183 77.89978 81.19653 78.94523 77.59188	B/A 0.898 0.929 1.000 0.975 0.926 0.878 0.798 0.854 0.880	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8	INCD 69.7 61.3 55.4 60.2 65.3 66.5 68.3 62.8 57.8	PHAZ 38.9 47.6 53.2 47.9 42.5 42.2 42.5 47.9 53.3	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 29.3	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0	-72.984 11 SCALE 0. 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9
PHOTO DATA  PT LAT LON RANGE  1 -11.666 -18.412 1683.69077  2 -12.970 -27.292 1598.35300  3 -8.111 -32.669 1546.26508  4 -7.858 -27.758 1562.5792  5 -7.590 -22.560 1607.78587  6 -12.821 -21.832 1646.95865  7 -18.610 -20.746 1724.11000  8 -18.599 -26.642 1668.96815  9 -18.699 -32.139 1648.61911  0 -13.154 -32.428 1580.75151	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -2.5 -4.0	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4 2.9	724. AZSUN -78.5 -79.9 -80.3 -81.2 -81.9 -81.6 -82.0 -79.3 -76.6	AZA 66.9 57.8 63.7 48.7 37.6 47.1 54.3 75.7 70.9	1538.56329  A*  77.13513  75.96063  72.82134  73.91352  75.67183  77.89978  81.19653  78.94523  74.76928	B/A 0.898 0.929 1.000 0.975 0.926 0.878 0.798 0.854 0.880 0.954	AZPHAZ +93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2	INCD 69.7 61.3 55.4 60.2 65.3 66.5 68.3 62.8 57.8 56.4	PHAZ 38.9 47.6 53.2 47.9 42.5 42.2 42.5 47.9 53.3 53.1	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 29.3 18.3	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0	-72.984 11 SCALE 0. 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
PHOTO DATA PT LAT 1-11.666 -18.412 1683.69077 2-12.970 -27.292 1598.35300 3-8.111 -32.669 1546.26508 4-7.858 -27.758 1562.57927 5-7.590 -22.560 1607.78587 6-12.821 -21.832 1646.95865 7-18.610 -20.746 1724.11000 8-18.599 -32.139 1648.61917	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -2.5	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4 2.9 2.6	724. AZSUN -78.5 -79.9 -80.3 -81.2 -81.9 -81.6 -82.0 -79.3 -76.6	AZA 66.9 57.8 63.7 48.7 37.6 47.1 54.3 64.3 75.7 70.9 63.7	A* 77.13513 75.96063 72.82134 73.91352 75.67183 77.89978 81.19653 78.94523 77.59188 74.76928 72.82134	B/A 0.898 0.929 1.009 0.975 0.926 0.878 0.789 0.784 0.880 0.954	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6	INCD 69.7 61.3 55.4 60.2 65.3 66.5 68.3 62.8 57.8 56.4	PHAZ 38.9 47.6 53.2 47.9 42.5 42.2 42.5 47.9 53.3 53.1	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 29.3 18.3 7.9	ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0 1.2	-72.984 11 SCALE 0. 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15999 152.92408	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78587 6 -12.821 -21.832 1646.95865 7 -18.610 -20.746 1724.11000 8 -18.599 -26.642 1668.6815 9 -18.699 -32.139 1648.61917 1 -31.54 -32.428 1580.75151 1 -8.111 -32.669 1546.26508 12 -4.221 -37.542 1548.0723	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -2.5 -4.0 -9.1 96.9 -130.5	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4 2.9 2.6 1.3 2.5	724. AZSUN -78-5 -79-9 -80-3 -81-9 -81-6 -82-0 -79-6 -78-2 -80-3 -82-5	AZA 66.9 57.8 63.7 48.7 37.6 47.1 54.3 75.7 70.9 63.7 77.0	77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 78-94523 77-59188 74-76928 72-82134 69-66142 70-26434	8/A 0.898 0.929 1.000 0.975 0.926 0.878 0.798 0.854 0.880 0.954 1.000 0.979 0.980	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.7 -95.2 -81.6	INCD 69.7 61.3 55.4 60.2 65.3 66.5 68.3 62.8 56.4 55.4	PHAZ 38.9 47.6 53.2 47.9 42.5 42.2 42.5 47.9 53.3 53.1	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 29.3 18.3	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0 1.8 -8.7	-72.984 11 SCALE 05.265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 152.92408 188.16223	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
PHOTO DATA PT LAT 1-14-666 -18-412 1683.69077 2-12-970 -27-292 1598.35300 3-8-1111 -32-669 1546.26508 4-7-858 -27-758 1562.57927 5-7-590 -22-560 1607.78587 6-12-821 -21-832 1646.95867 7-18-610 -20.746 1724.11000 8-18-599 -26-642 1668.96815 9-18-699 -32-139 1648.61917 10-13-154 -32-428 1580.75151 11 -8-111 -32-669 1546.26508 12-4-221 -37-542 1548.07257 13 -3-953 -32-856 1538.89723 14 -3-645 -28.063 1554.91534	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -4.0 -9.1 96.9 -130.5 -95.4	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4 2.6 1.3 2.5 3.6	724. AZSUN -78.5 -79.9 -80.3 -81.2 -81.9 -81.6 -82.0 -79.3 -76.3 -82.1 -82.5 -82.6	AZA 66.9 57.8 63.7 48.7 37.6 47.1 54.3 64.3 75.7 70.9 63.7 77.0 54.1 37.6	A* 77.13513 75.96063 72.82134 73.91352 75.67183 77.89978 81.19653 77.59188 74.76928 72.82134 69.66142 70.26434 72.70947	8/A 0.898 0.929 1.000 0.975 0.926 0.878 0.880 0.954 1.000 0.979 0.999	AZPHAZ -93.3 -90.2 -85.6 -85.6 -95.7 -95.2 -94.8 -90.2 -95.2 -94.8 -90.2 -85.6 -80.9	INCD 69.7 61.3 55.4 66.3 66.5 68.3 62.8 57.8 56.4 55.4 55.4 55.4 55.4	PHAZ 38.9 47.6 53.2 47.9 42.5 42.5 47.9 53.3 53.1 53.2 53.7 48.4	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 29.3 18.3 7.9 8.7 1.6	ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0 1.2	-72.984 11 SCALE 0. 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15999 152.92408	PT-PT 0- 1 1- 2 2- 3 3- 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78587 6 -12.821 -21.832 1646.95865 7 -18.610 -20.746 1724.11000 8 -18.599 -26.642 1668.69815 9 -18.699 -32.139 1648.61917 10 -13.154 -32.428 1580.75151 11 -8.111 -32.669 1546.26508 12 -4.221 -37.542 1548.07253 13 -3.953 -32.856 1538.89723 14 -3.645 -28.063 1554.9153 14 -3.645 -28.063 1554.9153	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -2.5 -4.0 -9.1 96.9 -130.5 -95.4 -92.9	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4 2.9 2.6 1.3 2.5 3.6	724. AZSUN -78.5 -79.9 -80.3 -81.9 -81.6 -82.3 -76.6 -78.2 -80.3 -82.1 -82.5 -82.6 -82.5	AZA 66.9 57.8 63.7 37.6 47.1 54.3 75.7 70.9 63.7 77.0 54.1 37.6	77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 78-94523 77-59188 74-76928 72-82134 69-66142 70-26434 72-70947 74-37656	8/A 0.878 0.979 1.000 0.975 0.926 0.878 0.798 0.880 0.954 1.000 0.979 0.980 0.996 0.996	AZPHAZ -93.3 -90.2 -85.6 -85.2 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9	INCD 69.7 61.3 55.4 66.5 66.3 62.8 57.8 56.4 55.4 55.4 50.2	PHAZ 38.9 47.6 47.9 42.5 42.5 42.5 53.1 53.2 58.9 53.7 443.1	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 29.3 18.3 7.9 8.7 11.4 21.8	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0 1.8 -8.7 1.1 11.1	-72.984 11 SCALE 0.265.09363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 152.92408 188.16223 141.80147 145.17178	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14
PHOTO DATA PT LAT 1-11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78587 6 -12.821 -21.832 1646.95865 7 -18.610 -20.746 1724.11000 8 -18.599 -32.139 1648.69815 9 -18.699 -32.139 1648.61917 10 -13.154 -32.428 1580.75151 11 -8.11 -32.699 1546.26508 12 -4.221 -37.542 1548.07257 13 -3.953 -32.836 1538.89723 14 -3.645 -28.063 1554.91534 15 -3.283 -22.999 1598.81195 16 -2.847 -17.434 1676.10912	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -2.5 -4.0 -9.1 96.9 -130.5 -92.9 -91.9	6.8 5.8 2.6 4.5 6.7 12.1 7.8 3.4 2.9 2.6 1.3 2.5 3.6 5.3	724. AZSUN -78.5 -79.9 -80.3 -81.2 -81.6 -92.0 -79.3 -76.6 -78.2 -80.3 -82.5 -82.5 -82.5	AZA 66.9 57.8 63.7 48.7 37.6 47.1 54.3 64.3 770.9 63.7 77.0.9 63.7 77.6 27.2	A* 77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 78-94523 77-59188 74-76928 74-76928 72-82134 69-66142 70-26434 72-10947 74-37656	8/A 0.898 0.929 1.000 0.975 0.976 0.878 0.880 0.954 1.000 0.979 0.980 0.979 0.980 0.947 0.987	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.1	INCD 69.7 61.3 60.2 65.3 66.5 68.3 62.8 57.8 55.4 55.4 55.4 55.4 59.6 64.6 70.1	PHAZ 38.9 47.6 53.2 42.5 42.5 42.5 42.5 53.1 53.2 58.9 53.7 48.4 43.1	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 31.8 31.8 7.9 8.7 1.6 11.4 21.8 32.7	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 1.0 1.2 1.8 1.1 11.1 21.4 32.0	-72.984 11 SCALE 0.265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 152.9240 188.16223 141.80147 153.48711 153.48711 168.84423	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
PHOTO DATA  PT LAT  1 -11.666 -18.412 1683.69077  2 -12.970 -27.292 1598.35300  3 -8.111 -32.669 1546.26508  4 -7.858 -27.758 1562.57927  5 -7.590 -22.560 1607.78587  6 -12.821 -21.832 1646.95865  7 -18.610 -20.746 1724.11000  8 -18.599 -32.139 1648.61917  10 -13.154 -32.428 1580.75151  11 -8.11 -32.669 1546.26508  12 -4.221 -37.542 1548.07257  13 -3.953 -32.856 1538.89723 -34  14 -3.645 -28.063 1554.91534  15 -3.283 -22.999 1998.81193  16 -2.847 -17.434 1676.10912  17 -7.295 -16.828 1687.826680	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -2.5 -4.0 -9.1 96.9 -130.5 -95.4 -92.9	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4 2.9 2.6 1.3 2.5 3.6	724. AZSUN -78.5 -79.9 -80.3 -81.9 -81.6 -82.3 -76.6 -78.2 -80.3 -82.1 -82.5 -82.6 -82.5	AZA 66.9 57.8 63.7 37.6 47.1 54.3 75.7 70.9 63.7 77.0 54.1 37.6	77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 78-94523 77-59188 74-76928 72-82134 69-66142 70-26434 72-70947 74-37656	8/A 0.898 0.929 1.000 0.975 0.926 0.878 0.854 0.880 0.954 1.000 0.979 0.980 0.996 0.997 0.980 0.984	AZPHAZ -93.3 -90.2 -85.6 -85.2 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9	INCD 69.7 61.3 55.4 66.5 68.3 62.8 57.8 55.4 55.4 55.4 57.8 57.8 57.8 57.8 57.8 57.8	PHAZ 38.9 47.9 47.9 42.5 47.9 53.3 53.1 58.9 53.7 48.4 43.0 37.2	EMIS 33.5 7.9 13.9 23.4 29.1 37.7 31.8 29.3 18.3 7.9 8.7 1.6 11.4 21.8 32.7 34.0	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0 1.2 1.8 -8.7 1.1 11.1 21.4 32.0 33.7	-72.984 11  SCALE 0. 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 152.92408 188.16223 141.80147 145.17178 168.48423 35.98336	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16-17
PHOTO DATA PT LAT LON RANGE 1 -11-666 -18-412 1683.69077 2 -12-970 -27-292 1598.35300 3 -8-111 -32-669 1546.26508 4 -7-858 -27-758 1562-57927 5 -7-590 -22-560 1607.78586 7 -18-610 -20-746 1724-11000 8 -18-599 -26-642 1668-98815 9 -18-699 -32-139 1648-61917 10 -13-154 -32-428 1580.75151 11 -8-111 -32-669 1546.26508 12 -4-221 -37-542 1548.07257 13 -3-953 -32-856 1538.89723 -4 -3-645 -28-063 1554-9153 14 -3-645 -28-063 1554-9153 15 -3-283 -22-999 1598-81195 16 -2-847 -17-434 1676-10912 17 -7-295 -16-828 1667-8268 18 -12-716 -15-752 1733-66100 19 -18-770 -14-047 1823-74481	-16.4 -32.2 -9.1 -55.5 -70.0 -37.2 -21.9 -2.5 -4.0 -9.1 96.9 -130.5 -92.9 -76.1 -60.1 -60.2	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4 2.9 2.6 1.3 2.5 3.6 4.5 3.5	724. AZSUN -78.5 -79.9 -80.3 -81.6 -79.3 -76.6 -79.3 -82.1 -82.6 -82.5 -82.0	AZA 66.9 57.8 63.7 37.6 47.1 54.3 75.7 70.9 63.7 77.0 27.2 19.8	A* 77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 77-59188 74-76928 72-82134 69-66142 70-26434 72-70947 74-37656 76-868892 78-31404	8/A 0.898 0.929 1.000 0.975 0.926 0.878 0.858 0.858 0.954 1.000 0.979 0.987 0.987 0.987 0.987 0.947 0.870 0.979	AZPHAZ -93.3 -90.2 -85.6 -85.2 -85.2 -95.7 -95.7 -95.2 -85.6 -80.2 -81.6 -80.1 -79.1	INCD 69.7 61.3 55.4 60.2 65.3 66.5 68.3 57.8 56.4 55.4 55.4 57.8 59.6 64.6 70.9 72.4	PHAZ 38.9 47.6 53.2 42.5 42.5 42.5 42.5 53.1 53.2 58.9 53.7 48.4 43.1	EMIS 33.5 21.8 7.9 13.9 23.4 29.3 18.3 7.9 8.76 11.4 21.8 32.7 34.0 6	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 1.0 1.2 1.8 1.1 11.1 21.4 32.0	-72.984 11 SCALE 0.265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 152.9240 188.16223 141.80147 153.48711 153.48711 168.84423	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17-18
PHOTO DATA PT LAT 1-11-666 -18-412 1683.69077 2-12-970 -27-292 1598.35300 3-8-111 -32-669 1546.26508 4-7-858 -27-758 1562.57927 5-7-590 -22-560 1607.78587 6-12-821 -21-832 1646.965865 7-18-610 -20-746 1724.11000 8-18-599 -26-642 1668.96815 9-18-699 -32-139 1648.61917 10-13-154 -32-428 1580.75151 11-8-111 -32-69 1546.26508 12-4-221 -37-542 1548.07257 14-3-645 -28-063 1554.91534 15-3-283 -22-99 1598.8195 16-2-847 -17-434 1676.10912 17-7-295 -16-828 1687.8268 8-12-716 -15-752 1733.66100 19-18-770 -14-047 1823.74487 00-26-093 -11-90 1982.18005	-16.4 -32.2 -9.1 -55.5 -70.0 -37.2 -21.9 -2.5 -4.0 -9.1 96.9 -130.5 -92.9 -91.6 -92.9 -91.6 -37.6 -38.8	6.8 5.8 2.6 4.5 6.2 8.7 12.1 7.8 3.4 2.6 1.3 2.5 3.6 5.3 7.8 11.4 16.3 24.2	724. AZSUN -78-5 -79-9 -80-3 -81-2 -81-9 -79-3 -82-0 -78-2 -82-5 -82-5 -82-5 -82-5 -82-3 -83-3 -83-3 -89-7	AZA 66.9 57.87 48.7 37.6 47.1 54.3 64.3 75.7 70.9 77.0 54.1 27.2 19.8 38.4 45.9	A* 77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 77-89978 81-19653 77-59188 74-76928 74-76928 74-76928 74-76928 74-76928 74-7698 74-37656 76-868892 78-314004 80-85509 84-72594	8/A 0.898 0.929 1.000 0.975 0.926 0.878 0.798 0.850 0.954 1.000 0.979 0.996 0.996 0.947 0.848 0.708 0.708	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.1 -79.1 -79.1 -84.3 -90.3	INCD 69.7 55.4 60.2 65.3 66.3 62.8 57.8 55.4 50.2 54.8 59.6 64.6 70.1 70.9 72.4 78.2	PHAZ 38.9 47.6 53.2 42.5 42.5 42.5 53.1 53.2 53.1 53.2 53.7 48.4 43.0 37.2 36.9 37.2 38.2	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 31.8 31.6 11.4 212.7 34.0 38.6 46.2 56.7	2.045 ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0 1.2 1.8 -8.7 1.1 11.1 21.4 33.7 34.6 34.8	-72.984 11  SCALE  265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 168.15969 141.80147 145.17178 153.48711 168.84423 135.98336 167.29182 189.99481	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.7858 6 -12.821 -21.832 1646.9586 7 -18.610 -20.746 1724.11000 8 -18.599 -26.642 1668.96815 9 -18.699 -32.139 1648.61917 10 -13.154 -32.428 1580.75151 11 -8.111 -32.669 1546.26508 12 -4.221 -37.542 1548.07257 13 -3.953 -32.856 1538.89723 -4.3645 -28.063 1554.9153 14 -3.645 -28.063 1554.9153 16 -2.847 -17.434 1676.10912 17 -7.295 -16.828 1687.82688 18 -12.716 -15.752 1733.66100 19 -18.770 -14.047 1823.74487 20 -26.093 -11.090 1982.18005	-16.4 -32.2 -9.1 -55.5 -70.0 -37.2 -21.5 -4.0 -9.1 96.9 -130.5 -92.9 -76.1 -60.3 -48.2 -39.4	6.8 5.8 2.6 6.2 8.7 12.1 7.8 4 2.9 2.6 1.3 5.3 6.5 5.3 11.4 16.3 24.2 17.5	724. AZSUN 78-9-9-80-3 3-81-2-81-9-81-6-6-78-3-82-1-82-5-82-3-83-89-3-9-83-9-9-82-3-89-3-9-82-3-89-3-9-82-3-89-3-9-82-3-89-3-89	AZA 66.9 67.8 63.7 48.7 48.7 47.1 54.3 75.7 77.0 93.7 77.0 19.8 27.8 29.3 38.4 45.8 51.9	A* 71.13513 75.96063 72.82134 73.91352 75.67183 77.89978 81.19653 77.59188 74.76928 72.82134 74.76928 74.76928 74.76928 74.76947 74.37656 76.86892 78.31404 80.85509 84.72594 90.92484 86.20237	8/A 0.898 0.929 1.000 0.926 0.854 0.880 0.956 0.979 0.996 0.947 0.848 0.947 0.848 0.956 0.956 0.956 0.956 0.956 0.956 0.956 0.956 0.956	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.1 -79.1 -84.2 -90.3 -96.3 -102.2	INCD 61.3 55.4 60.2 66.5 68.3 62.8 56.4 55.4 55.4 55.4 70.1 72.4 74.7 71.1	PHAZ 38.9 47.6 53.2 47.9 42.5 42.5 42.5 53.1 53.2 58.9 48.4 43.0 36.9 37.2 36.9 37.2 343.4	EMIS 33.5 21.8 7.9 13.9 23.4 29.1 37.7 31.8 29.3 7.9 8.7 11.4 21.8 32.7 38.6 46.7 548.5	2.045  ALPHA 30.0 11.9 1.8 12.1 22.7 23.0 21.8 10.2 -1.0 1.2 1.8.7 1.1 11.1 21.4 32.0 33.7 34.6 34.4 33.8	-72.984 11  SCALE 0. 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 152.92408 188.16223 141.80147 145.17178 153.48711 168.64423 155.98336 167.29182 189.99481 236.72996	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 18-19 19-20
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78587 6 -12.821 -21.832 1646.95865 7 -18.610 -20.746 1724.11000 8 -18.599 -26.642 1668.96815 9 -18.699 -32.139 1648.61917 10 -13.154 -32.428 1580.75151 11 -8.111 -32.669 1546.26508 12 -4.221 -37.542 1548.0723 14 -3.645 -28.063 1554.91534 15 -3.283 -22.999 1598.8195 16 -2.847 -17.434 1676.10912 17 -7.295 -16.828 1687.82668 18 -12.716 -15.752 1733.66100 19 -18.770 -14.047 1823.74487 0 -26.093 -11.090 1982.18005 21 -25.442 -19.003 1855.0703366	-16.4 -32.2 -9.1 -55.5 -70.0 -37.2 -21.9 -2.5 -4.0 -9.1 96.9 -130.5 -92.9 -91.6 -60.3 -48.2 -39.4 -29.2 -16.9	6.8 5.8 2.6 6.2 8.7 12.1 7.8 4.2 9 2.6 1.3 5.3 7.8 11.4 16.3 24.5 10.9	724. AZSUN -78-9 -80-3 -81-2 -81-9 -81-6 -82-0 -79-3 -82-5 -82-5 -82-6 -82-5 -82-7 -83-3 -85-3 -87-7 -83-9 -79-79-79-79-79-79-79-79-79-79-79-79-79-	AZA 66.9 57.8 63.7 48.6 47.1 37.6 47.1 54.3 770.9 77.0.9 63.7 77.0 54.1 37.6 29.8 38.4 451.9 60.1	A* 77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 77-8998 87-8998 87-8998 74-76213 69-66142 70-26434 72-70947 74-37656 76-86892 84-72594 80-85509 84-72594 86-20237	8/A 0.898 0.929 1.000 0.975 0.926 0.878 0.854 0.854 1.000 0.979 0.996 0.947 0.848 0.795 0.795 0.569 0.678	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.1 -79.1 -84.2 -90.3 -90.3 -90.3	190.7 61.3 55.4 60.3 66.5 68.3 66.5 68.8 57.8 55.4 55.4 59.6 64.6 70.1 70.9 74.7 78.1	PHAZ 947.6 53.9 47.9 42.5 42.5 42.5 53.3 53.1 58.9 53.7 48.4 38.0 37.2 38.2 43.6	EMIS 5 21.8 7.9 13.9 123.4 13.9 123.4 13.9 123.4 13.9 123.4 123.7 11.6 121.8 12.7 121.8 12	2.045  ALPHA 30.0 11.8 12.1 22.7 23.0 21.8 10.2 -1.0 1.28 -8.7 11.1 21.4 32.0 33.7 34.6 33.8 19.1	-72.984 11  SCALE 0 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 168.15969 168.15969 168.15969 168.16223 141.80147 145.17178 168.84423 135.9833 167.29182 189.99481 189.99481 189.99481 189.99481	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22
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PHOTO DATA PT LAT 1-11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78586 6 -12.821 -21.832 1646.95865 7 -18.610 -20.746 1724.11000 8 -18.599 -32.139 1648.61917 10 -13.154 -32.428 1560.75151 11 -8.11 -32.669 1546.26508 12 -4.221 -37.542 1548.07257 13 -3.953 -32.856 1538.89723 -32.83 -22.999 1598.81195 15 -3.283 -22.999 1598.81195 16 -2.847 -17.434 1676.10912 17 -7.295 -16.828 1667.82668 18 -12.716 -15.752 1733.66100 19 -18.770 -14.047 1823.74687 10 -26.93 -11.90 1982.18005 21 -25.442 -19.003 1855.07097 22 -25.167 -5.667 1787.033680 24 -25.318 -31.763 1761.25880 24 -25.318 -31.763 1761.25880 25 -18.897 -37.493 1658.83333	-16.4 -32.2 -9.1 -55.5 -70.0 -37.2 -21.9 -21.9 -24.0 -9.1 96.9 -130.5 -92.9 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -70.	6.8 5.8 2.6 6.2 8.7 12.8 3.4 2.6 1.3 2.5 3.6 5.3 7.8 11.4 16.3 24.2 10.9 4.6 4.7 17.9 4.6 4.7	724. AZSUN -78-9 -80-3 -81-9 -81-9 -81-9 -82-0 -79-3 -86-2 -82-5 -	AZA 66.9 57.8 63.7 48.6 47.1 37.6 47.1 54.3 770.9 77.0.9 63.7 77.0 54.1 37.6 29.8 38.4 451.9 60.1	A* 77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 77-8998 87-8998 87-8998 74-76213 69-66142 70-26434 72-70947 74-37656 76-86892 84-72594 80-85509 84-72594 86-20237	8/A 0.898 0.929 1.000 0.975 0.926 0.878 0.854 0.8954 1.000 0.979 0.9848 0.795 0.708 0.708 0.708 0.771 0.771 0.771	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.1 -79.1 -84.2 -90.3 -90.3 -102.1 -101.1	1 NCD 7 61-3 550-4 65-5 662-8 57-8 550-2 54-6 700-9 772-4 774-1 65-8 554-8 554-8	PHAZ 947.6 53.9 47.9 42.5 42.5 42.5 53.3 53.1 58.9 53.7 48.4 38.0 37.2 38.2 43.6	EMIS 5 21.8 7.9 123.4 13.9 123.4 1 237.7 31.8 29.3 18.3 18.3 18.3 18.4 21.8 21.8 24.1 21.1 21.1 21.1 21.1 21.1 21.1	2.045 ALPHA 30.0 11.8 122.1 23.0 21.8 10.2 -1.0 1.8 -8.7 1.1 11.1 21.4 32.0 33.7 34.6 34.4 33.8 19.1 -5.5	-72.984 11  SCALE 0 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 168.15969 168.15969 168.15969 168.16223 141.80147 145.17178 168.84423 135.9833 167.29182 189.99481 189.99481 189.99481 189.99481	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24
PHOTO DATA PT LAT LON RANGE 1 -11.666 -18.412 1683.69077 2 -12.970 -27.292 1598.35300 3 -8.111 -32.669 1546.26508 4 -7.858 -27.758 1562.57927 5 -7.590 -22.560 1607.78587 6 -12.821 -21.832 1646.95865 7 -18.610 -20.746 1724.11000 8 -18.599 -26.642 1668.69815 9 -18.699 -32.139 1648.61917 10 -13.154 -32.428 1580.75151 11 -8.111 -32.469 1546.26508 12 -4.221 -37.542 1548.07253 13 -3.953 -32.856 1538.89723 -14 -3.645 -28.063 1554.9153 14 -3.645 -28.063 1554.9153 15 -3.283 -22.999 1598.81195 16 -2.847 -17.434 1676.12912 17 -7.295 -16.828 1687.8268 18 -12.716 -15.752 1733.66100 19 -18.770 -14.047 1823.74487 20 -26.093 -11.090 1982.18005 21 -25.442 -19.003 1855.07057 22 -25.167 -25.667 1787.03366 23 -25.138 -31.763 1761.25880 24 -25.313 -37.670 1771.50972 25 -18.897 -37.493 1658.93393 26 -13.375 -37.442 1559.09196	-16.4 -32.2 -9.1 -55.5 -70.0 -50.0 -37.2 -21.9 -2.1 -9.1 96.9 -130.5 -92.9 -91.9 -60.3 -48.2 -39.4 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	6.8 5.8 2.6 6.7 12.1 7.8 3.4 2.6 1.3 5.3 7.8 11.4 12.5 12.5 11.4 12.5 11.6 12.7 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11	724. AZSUN -78-9 -80-3 -81-9 -81-9 -81-9 -81-9 -81-9 -82-1 -98-2 -81-9 -82-5 -82-6 -82-0 -82-5 -82-3 -83-3 -	AZA 667.8 63.7 37.6 154.3 75.7 77.7 77.0 137.6 13	A* 77-13513 75-96063 72-82134 73-91352 75-67183 77-89978 81-19653 77-59188 74-76928 74-76928 74-76928 74-76928 74-7694 80-85509 84-72594 80-92484 80-85509 84-72594 80-92484 86-36583 81-72990 76-97677 74-20617	8/A 0.898 0.999 1.000 0.975 0.975 0.878 0.878 0.854 0.854 1.000 0.996 0.99	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.1 -79.1 -79.1 -90.3 -96.3 -102.2 -101.1 -99.7 -98.7	1NCD 69.77 61.3 55.4 66.5 3 66.5 3 66.5 57.8 55.4 55.4 55.4 55.4 55.4 55.4 55.4 55	PHA9 47.6 47.5 42.5 42.5 42.5 53.1 53.1 53.1 53.1 37.2 43.6 43.6 43.6 43.6 43.6 43.6 53.6 53.6 53.6 53.6 53.6 53.6 53.6 5	EMIS 5 8 33 - 8 13 - 9 123 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	2.045 ALPHA 30.0 11.8 12.1 22.7 23.0 10.2 -1.0 1.2 1.8.7 11.1 21.4 32.0 33.7 34.6 33.8 1-5.5 -16.9 -11.9 -19.2	-72.984 11  SCALE 0 265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 152.92408 188.16223 141.80147 145.11718 168.84423 135.9838 167.29182 189.99481 236.72996 216.73751 167.26629	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-22 22-23 23-24 24-25 25-25-25
PHOTO DATA PT LAT 1-11-666 -18-412 1683.69077 2-12-970 -27-292 1598.35300 3-8-1111 -32-669 1546.26508 4-7-858 -27-758 1562.57927 5-7-590 -22-560 1607.78586 6-12-821 -21-832 1646.95865 7-18-610 -20-746 1724.11000 8-18-599 -32-139 1648.61917 10-13-154 -32-428 1580.75151 11-8-111 -32-669 1546.26508 12-4-221 -37-542 1548.07257 13-3-953 -32-856 1538.89723-34 4-3-645 -28-063 1554.91534 15-3-283 -22-99 1598.81152 16-2-847 -17-434 1676.10912 17-7-295 -16-828 1687.82668 18-12-716 -15-752 1733.66100 19-18-770 -14-047 1823.74687 10-26-03 -11-090 1992.18005 21-25-442 -19-003 1855-07097 22-25-167 -25-667 1787.033680 24-25-318 -31-763 1761.25880 24-25-318 -31-763 1761.25880 24-25-318 -37-493 1658.833393	-16.4 -32.2 -9.1 -55.5 -70.0 -37.2 -21.9 -21.9 -24.0 -9.1 96.9 -130.5 -92.9 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -91.9 -70.0 -70.	6.8 5.8 2.6 6.2 8.7 12.8 3.4 2.6 1.3 2.5 3.6 5.3 7.8 11.4 16.3 24.2 10.9 4.6 4.7 17.9 4.6 4.7	724. AZSUN -78-9 -80-3 -81-9 -81-9 -81-9 -82-0 -79-3 -86-2 -82-5 -	AZA 66.98 63.77 37.61 54.37 77.01 54.37 77.01 37.01 37.01 37.02 38.8 60.13 69.34 45.8 60.13 69.34	1538.56329  A* 77.13513 75.96063 72.82134 73.91352 75.67183 77.89978 81.19653 77.59188 74.76928 74.76928 74.76928 74.76928 74.37656 686892 70.26434 72.70947 74.37656 86.8892 78.31404 80.85509 84.72594 80.85509 84.72594 81.72594 81.72990 81.03980 76.97677	8/A 0.878 0.979 1.000 0.975 0.978 0.878 0.878 0.880 0.954 1.000 0.979 0.980 0.947 0.878 0.705 0.705 0.705 0.771 0.770 0.880 0.999 0.999	AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.1 -79.1 -84.2 -90.3 -96.3 -102.2 -101.1 -100.1 -98.7 -94.8 -90.2	1NCD 69.77 61.3 550.4 66.5 3 66.5 3 62.8 570.4 2 59.6 66.7 0.1 70.9 770.9 770.1 70.9 771.1 65.1 59.8 52.9 650.7 0.1 70.9 71.1 650.7 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.9 70.1 70.1 70.9 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1	PHA29 47.6 547.9 42.5 42.5 42.5 53.1 53.1 2 337.2 337.2 48.4 653.0	EMIS 33.5 21.8 8 13.9 123.4 29.1 23.7 .7 31.8 229.1 23.7 .7 31.8 232.7 34.0 46.2 24.4 20.6 45.5 47.1 25.6 27.1 25.0 27.1 25.0 25.1 25.0 25.1 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	2.045 ALPHA 30.0 11.9 122.7 23.0 21.8 10.2 -1.0 1.2 1.87 1.1 121.4 32.0 33.8 19.1 -5.5 -11.9 -9.3	-72.984 11  SCALE  265.69363 217.44059 147.52595 156.20358 159.94505 178.18136 169.26337 157.78990 168.15969 168.15969 168.15969 168.15969 168.15969 168.15969 168.348711 168.64423 135.98336 167.29182 189.99481 182.63751 167.12667 161.92996	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-13 13-14 14-15 15-16 16-17 17-18 18-19 20-21 21-22 22-23 24-25 25-26 25-26

RA-VII CAMERA FA TAB NO 59 POD SEQUENCE NO 124 ATLAS PHOTO NO 59 JULY 31,1964 13 HR 13 MIN 49 SEC 515 MS SEC TO IMPACT ALT LAT LON R V PTH AZ 719.284 1528.54526 -4.505 -33.371 3264.001 2.048 -72.948 116.721 TRAJECTURY DATA PHOTO DATA

PT LAT LON RANGE AZS/C AZN AZSUN AZA

1 - 11.657 - 18.431 1672.86659 - 16.6 6.8 -78.5 66.7

2 - 12.964 - 27.228 1588.36157 - 32.4 5.9 -80.0 57.6

3 - 8.136 - 32.574 1536.31775 - 9.8 2.7 -80.3 63.4

4 - 7.884 - 27.693 1552.75327 - 55.5 4.5 -81.2 48.6

5 - 7.617 - 22.526 1597.83965 - 69.9 6.2 -81.9 37.6

6 - 12.817 - 21.801 1636.83688 - 50.0 8.7 -81.6 47.0

7 - 18.570 - 20.720 1713.47034 - 37.3 12.0 -82.1 54.2

8 - 18.558 - 26.581 1658.49530 - 22.1 7.8 -79.3 64.1

9 - 18.656 - 32.043 1638.01099 - 22. 3.4 76.6 75.5

10 - 13.147 - 32.333 1570.63065 - 4.3 3.0 -78.2 70.6

11 - 8.136 - 32.574 1536.31775 - 9.8 2.7 -80.3 63.4

12 - 4.272 - 37.415 1537.72302 96.6 1.3 -82.1 76.3

13 - 4.005 - 32.761 1528.89511 - 126.6 2.5 -82.5 53.9

14 - 3.698 - 27.997 1545.02715 - 95.0 3.6 -82.6 37.6

15 - 3.338 - 22.964 1588.80009 - 92.7 4.5 -82.5 27.3

16 - 2.904 - 17.432 1665.69069 - 91.8 5.3 -82.0 20.0

17 - 7.325 - 16.827 1677.47186 - 76.0 7.9 -82.3 29.3

18 - 12.713 - 15.756 1723.09142 - 60.3 11.4 -83.2 38.3

19 - 18.729 - 11.064 1812.54440 - 48.2 16.3 -85.3 45.7

20 - 25.999 - 11.137 1969.59980 - 39.4 42.1 -89.6 51.9

21 - 25.354 - 18.992 1843.34627 - 29.3 17.5 - 84.0 60.0

22 - 25.078 - 37.566 175.94.1260 12.8 -2.5 -72.1 89.9

25 - 18.800 - 37.399 1647.89383 17.2 - 10.7 - 79.8 69.1

25 - 18.800 - 37.399 1647.89383 17.2 - 10.7 - 79.1 80.1

26 - 13.366 - 37.313 1580.39528 25.8 - 0.0 - 76.1 85.6

27 - 8.380 - 37.431 15537.72302 96.6 1.3 - 82.1 76.3 TAB NO 60 ATLAS PHOTO NO 60 POD SEQUENCE NO 126 JULY 31-1964 13 HR 13 MIN 54 SEC 635 MS SEC TO IMPACT ALT LAT LUN R V PTH AZ 714-164 1518-51810 -4.530 -33.322 3253.973 2-050 -72.911 116.715 TRAJECTORY DATA ALI LAT LUN R V PTH AZ
1518-15180 -4-530 -33-322 3253-973 2-050 -72.911 116-715

A\* B/A AZPHAZ INCD PHAZ EMIS ALPHA
76.16504 0.898 -93.3 69.7 39.0 33.4 29.9 0. 0. 0.1
75.01041 0.982 -90.2 61.4 47.6 21.8 12.1 260.90933 1-2
71.88415 0.999 -85.6 55.6 53.2 8.0 2.0 214.81490 2-3
72.98327 0.975 -85.2 60.3 47.8 14.0 12.3 155.69742 3-4
74.73444 0.926 -84.8 65.4 42.5 23.5 22.8 154.34590 4-5
76.94157 0.877 -90.2 66.6 42.2 29.2 23.1 158.00204 5-6
80.19378 0.799 -95.7 68.4 42.5 37.7 21.9 175.94612 6-7
77.95370 0.854 -95.2 62.9 47.9 31.8 10.3 167.26812 7-8
78.59239 0.880 -94.8 57.9 53.3 29.3 -0.7 155.85106 8-9
73.881145 0.953 -90.2 56.5 53.0 18.3 1.5 165.9513 9-10
71.88415 0.994 -85.6 55.6 53.2 8.0 2.0 150.98049 10-11
68.68012 0.978 -82.2 50.4 58.9 8.5 -8.5 185.66515 11-12
69.35384 0.996 -81.6 55.0 53.7 1.7 1.3 139.89472 12-13
71.78369 0.980 -81.6 55.0 53.7 1.7 1.3 139.89472 12-13
71.78369 0.990 -80.9 59.7 48.4 11.6 11.3 143.35150 13-14
75.91081 0.870 -79.0 70.1 38.0 32.7 32.0 166.8021 15-16
77.35151 0.648 -84.2 70.9 37.2 34.0 33.7 134.325315 01-17
79.86837 0.795 -90.3 72.4 36.9 38.6 34.6 165.27808 17-18
83.68495 0.706 -90.3 74.6 37.2 46.1 34.4 187.58986 18-19
89.76613 0.771 -90.4 79.4 59.9 33.8 41.0 -5.2 166.8021 15-16
80.65343 0.772 -99.4 59.9 53.8 41.0 -5.2 165.0758 27-23
79.99142 0.773 -98.7 55.0 59.0 41.8 -16.5 159.70398 23-24
79.99142 0.881 -94.5 53.1 58.6 30.5 -11.5 191.4476 24-25
73.22288 0.995 -90.2 51.9 58.4 20.3 -8.9 166.97078 22-3
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26
71.24593 0.999 -85.9 51.0 58.5 11.7 -8.1 150.03248 25-26 PHOTO OATA

PHOTO OATA

PT LAT LON RANGE AZS/C AZN AZSUN AZA
1 -11.648 -18.450 1662.03102 -16.8 6.8 -78.6 66.5
2 -12.959 -27.165 1578.35854 -32.5 5.9 -80.0 57.5
3 -8.161 -32.479 1926.36316 -10.5 2.7 -80.3 63.1
4 -7.911 -27.628 1542.91682 -55.6 4.5 -81.2 48.5
5 -7.645 -22.492 1587.88025 -69.9 6.3 -81.8 37.6
6 -12.813 -21.770 1626.70052 -50.1 8.7 -81.6 46.9
7 -18.529 -20.695 1702.81532 -37.4 12.0 -82.1 54.1
8 -18.517 -26.519 1648.01045 -22.2 7.8 -79.4 64.0
9 -18.612 -31.946 1627.39297 -3.0 3.5 -76.7 75.2
10 -13.140 -32.237 1560.50160 -4.6 3.0 -78.2 70.3
11 -8.161 -32.479 1526.36316 -10.5 2.7 -80.3 63.1
12 -4.323 -37.289 1527.37178 96.3 1.3 -82.1 75.6
13 -4.057 -32.666 1518.88716 -122.9 2.5 -82.4 53.7
15 -3.393 -22.929 1578.71676 -92.5 4.5 -82.4 53.7
15 -3.393 -22.929 1578.71676 -92.5 4.5 -82.4 53.7
16 -2.960 -17.430 1655.25861 -91.7 5.3 -82.0 20.1
17 -7.354 -16.827 1667.10146 -76.0 7.9 -82.3 29.4
18 -12.709 -15.761 1712.50453 -60.3 11.4 -83.2 38.3
19 -18.688 -14.081 1801.32585 -48.3 16.3 -85.3 45.7
20 -22.905 -11.184 1956.90520 -39.5 24.0 -89.6 51.8
21 -25.256 -18.981 1831.60791 -29.3 17.4 -84.0 59.9
22 -24.991 -25.554 1764.12810 -16.7 10.9 -79.8 69.0
24 -25.122 -37.383 174.31824 12.0 -2.4 4.3 -76.1 79.0
24 -25.122 -37.383 174.31824 12.0 -2.4 4.3 -76.1 79.0
25 -8.403 -37.216 1535.38544 47.4 0.7 -77.1 79.5
26 -6.323 -37.228 1527.37178 96.3 1.3 -82.1 75.6 18 -12.709 19 -18.688 20 -25.905 21 -25.265 22 -24.991 23 -24.957 24 -25.122 25 -18.803

			TAB NO	61	ATI	AS PHOTO	NO.	61	DOD 1	SEOUENCE NO 128
JULY 31,1964 13 HR 13 MIN 59	SEC 755 MS		1710 110	V1	~15	AS FIIOTO	, 110	01	FUD .	SEQUENCE NO 126
TRAJECTORY DATA		SEC TO	IMPACT	ALT	LA	т .	ON	R	v	PTH AZ
			.044	1508.48190						-72.875 116.709
PHOTO DATA PT LAT LON RANGE	47545 414	4751161								
1 -11.639 -18.469 1651.18407	AZS/C AZN		AZA 66.2	A• 75.67927		AZPHAZ -93.3	1NLD	PHAZ EMIS 39.0 33.4	29.9	SCALE PT-PT 0. 0-1
2 -12.953 -27.101 1568.34613	-32.7 5.9		57.3	74.53458		-90.2		47.6 21.9	12.2	258.51336 1- 2
3 -8.186 -32.384 1516.40161	-11.1 2.7		62.9	71.41505		-85.6		53.2 8.0	2.1	213.49982 2- 3
4 -7.937 -27.563 1533.07201 5 -7.673 -22.458 1577.91191	-55.6 4.5		48.4	72.51750		-85.2		47.8 14.1	12.3	144.78221 3- 4
5 -7.673 -22.458 1577.91191 6 -12.809 -21.738 1616.55406	-69.9 6.3 -50.1 8.7		37.6 46.9	74.26502 76.46164		-84.8 -90.2		42.4 23.5	22.8	153.41544 4- 5
7 -18.488 -20.670 1692.15013	-37.5 12.0			79.69157		-95.7		42.5 37.7	23.1	157.02854 5- 6 174.82689 6- 7
8 -18.475 -26.458 1637.51610	-22.3 7.8	-79.4	63.8	77.45719		-95.2		47.9 31.8	10.4	166.26854 7- 8
9 -18.568 -31.850 1616.76825	-3.2 3.5		75.0	76.09210		-94.8		53.3 29.2	-0.6	154.88049 8- 9
10 -13.133 -32.142 1550.36470 11 -8.186 -32.384 1516.40161	-4.9 3.0 -11.1 2.7			73.33197		-90.2		53.0 18.3	1.6	164.85356 9-10
12 -4.374 -37.163 1517.01749	95.9 1.3			71.41505 68.19040		-85.6 -82.2		53.2 8.0 58.9 8.3	2.1 -8.3	150.00745 10-11 184.44691 11-12
13 -4.109 -32.571 1508.87369				68.89862		-81.6		53.7 1.8	1.4	138.94193 12-13
14 -3.804 -27.867 1525.22591	-94.4 3.6		37.6	71.32026		-80.9		48.4 11.6	11.3	142.44058 13-14
15 -3.447 -22.894 1568.74596	-92.3 4.6			72.97611				43.1 21.9	21.5	150.70777 14-15
16 ~3.017 -17.429 1644.81960 17 -7.384 -16.826 1656.72238	-91.6 5.4 -75.9 7.9		20.2 29.4	75.43113 76.86949		-79.0		37.9 32.7	32.0	165.78139 15-16
18 -12.706 -15.766 1701.90796	-60.3 11.4			79.37415		-84.2 -90.3		37.2 34.0 36.8 38.6	33.7 34.6	133.49510 16-17 164.26916 17-18
19 -18.646 -14.097 1790.09805	-48.3 16.2			83.16360				37.2 46.1	34.3	186.38597 18-19
	-39.6 23.9		51.7	89.18631	0.573	-102.2	78.1	38.2 56.4	33.7	231.40567 19-20
	-29.4 17.4			84.56595	0.680	-101.1		43.3 48.3	19.2	212.42815 20-21
22 -24.903 -25.498 1752.66301 23 -24.867 -31.467 1726.50023	-16.8 10.9 -2.3 4.4		78.7	80.11487				48.6 43.1 53.8 40.9	6.6	179.31773 21-22
24 -25.026 -37.240 1735.22441	12.5 -2.3		89.4	79.37732		-98.7		59.0 41.7	-5.1 -16.3	158.59320 23-24
25 -18.756 -37.092 1625.80432	16.7 -0.9		87.3	75.43848		-94.5		58.5 30.4		189.96335 24-25
26 -13.347 -37.055 1559.37045	25.1 0.0			72.73540		-90.2	52.0	58.4 20.2	-8.8	163.83648 25-26
27 -8.427 -37.089 1525.07083 28 -4.374 -37.163 1517.01749	46.9 0.8		79.0	70.74817				58.5 11.6	-7.9	149.03254 26-27
28 -4.314 -31.163 1311.01745	95.9 1.3	-82.0	75.0	68.19040	0.978	-82.2	50.6	58.9 8.3	-8.3	122.77432 27-28
			TAB NO	62	ATL	AS PHOTO	NO	62	POD S	SEQUENCE NO 130
JULY 31,1964 13 HR 14 MIN 4	SEC 875 MS		TAB NO	62	ATL	AS PHOTO	NO	62	POD S	SEQUENCE NO 130
JULY 31,1964 13 HR 14 MIN 4 S	SEC 875 MS		TAB NO	62 ALT	ATL.		NO ON	62 R	POD S	SEQUENCE NO 130
TRAJECTORY DATA	SEC 875 MS	SEC TO			LA'		ON	R	v	•
TRAJECTORY DATA PHOTO DATA		SEC TO 703	IMPACT 925	ALT 1498.43649	LA:	T L 579 -33	ON • 225	R 3233.89	V 2 2.054	PTH AZ -72.839 116.702
TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	AZS/C AZN	SEC TO 703:	IMPACT 925	ALT 1498.43649	LA: 9 -4.:	T L 579 -33	ON • 225 • INCD	R 3233.892 PHAZ EMIS	V 2 2.054 ALPHA	PTH AZ -72.839 116.702 SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 - 18.488 1640.32555 2 -12.948 -27.036 1558.33125		SEC TO 703	IMPACT 925	ALT 1498.43649	LA: 9 -4.: 8/A 0.897	T L 579 -33	ON • 225 INCD 69• 7	R 3233.89	V 2 2.054 ALPHA 29.8	PTH AZ -72.839 116.702 SCALE PT-PT 0. 0-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 -18.488 1640.32555  2 -12.948 -27.036 1558.33123  3 -8.211 -32.288 1506.43381	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7	SEC TO 703 AZSUN -78.7 -80.0 -80.3	IMPACT .925 AZA 66.0 57.1 62.6	ALT 1498.43649 A* 75.19327 74.05863 70.94566	B/A 0.897 0.928 0.999	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6	ON .225 INCD 69.7 61.5 55.8	R 3233.892 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1	V 2 2.054 ALPHA 29.8 12.2 2.2	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0- 1 256.07785 1- 2 212-18556 2- 3
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 - 18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6	SEC TO 703. AZSUN -78.7 -80.0 -80.3 -81.2	IMPACT .925 AZA 66.0 57.1 62.6 48.3	ALT 1498.43649 A+ 75.19327 74.05863 70.94566 72.05163	B/A 0.897 0.928 0.999 0.974	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2	ON .225 INCD 69.7 61.5 55.8 60.5	R 3233.892 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2	V 2 2.054 ALPHA 29.8 12.2 2.2	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 -18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.422 1567.94781	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6	SEC TO 703. AZSUN +78.7 -80.0 -80.3 -81.2 -81.8	IMPACT .925 AZA 66.0 57.1 62.6 48.3 37.6	ALT 1498.43649 A* 75.19327 74.05863 70.94566 72.05163 73.79579	B/A 0.897 0.928 0.999 0.974 0.925	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8	ON .225 INCD 69.7 61.5 55.8 60.5 65.4	R 3233.892 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6	V 2 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9	PTH AZ -72.839 116.702 SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 -18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.422 1567.94781 6 -12.804 -21.705 1606.41187 7 -18.448 -20.643 1681.49121	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6	SEC TO 703 AZSUN +78.7 -80.0 -80.3 -81.2 -81.8	IMPACT .925 AZA 66.0 57.1 62.6 48.3	ALT 1498.43649 A+ 75.19327 74.05863 70.94566 72.05163	B/A 0.897 0.928 0.999 0.974 0.925	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2	ON .225 INCD 69.7 61.5 55.8 60.5 65.4 66.6	R 3233.892 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2	V 2 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9 23.1	PTH AZ -72.839 116.702 SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 -18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  6 -12.804 -21.705 1606.41187  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.02017	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.0	SEC TO 703. AZSUN -78.7 -80.0 -80.3 -81.2 -81.8 -81.6 -82.1 -79.5	IMPACT .925 AZA 66.0 57.1 62.6 48.3 37.6 46.8 53.9 63.6	ALT 1498.43645 A* 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062	B/A 0.897 0.928 0.999 0.974 0.925 0.877 0.799	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2	ON .225 INCD 69.7 61.5 55.8 60.5 65.4 66.6 68.4 63.0	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8	V 2 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9	PTH AZ -72.839 116.702 SCALE PT-PT 0. 0 1 256.07785 1- 2 212.18556 2- 3 143.86749 3- 4 152.48703 4- 5
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 -18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.422 1567.94781 6 -12.804 -21.705 1606.41187 7 -18.448 -20.643 1681.49121 8 -18.433 -26.395 1627.02017 9 -18.525 -31.752 1606.13667	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -50.2 6.3 -50.2 7.8 -22.5 7.8	SEC TO 703. AZSUN -78.7 -80.0 -80.3 -81.6 -82.1 -79.5 -76.9	IMPACT 925 AZA 66.0 57.1 62.6 48.3 37.6 46.8 53.9 63.6 74.7	ALT 1498.43649 A* 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147	LA B/A 0.897 0.928 0.999 0.974 0.925 0.877 0.799 0.854 0.881	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -90.2 -95.7 -95.2	ON .225 INCD 69.7 61.5 55.8 60.5 65.4 66.6 68.4 63.0 58.1	R 3233.89; PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8	V 2 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 -0.5	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 -18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.422 1567.94781 6 -12.804 -21.705 1606.41187 7 -18.448 -20.643 1681.49121 8 -18.433 -26.395 1627.02017 9 -18.525 -31.752 1606.13667 10 -13.126 -32.045 1540.22067	AZS/C AZN -17.2 6.8 -32.9 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.0 -22.5 7.8 -3.4 3.6	SEC TO 703. AZSUN -78.7 -80.0 -80.3 -81.2 -81.8 -81.6 -82.1 -79.5 -76.9 -78.3	IMPACT 925 AZA 66.0 57.1 62.6 48.3 37.6 46.8 53.9 63.6 74.7 69.7	ALT 1498.43649 A* 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216	B/A 0.897 0.928 0.999 0.974 0.925 0.877 0.799 0.881 0.881	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2	ON .225 INCD 69.7 61.5 55.8 60.5 65.4 66.6 68.4 63.0 58.1	R 3233.89; PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.4 23.6 42.5 37.7 47.9 31.8 53.2 29.2 53.0 18.4	V 2 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 -0.5	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 -18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.422 1567.94781 6 -12.804 -21.705 1606.41187 7 -18.448 -20.643 1681.49121 8 -18.433 -26.395 1627.02017 9 -18.525 -31.752 1606.13667 10 -13.126 -32.045 1540.22067 11 -8.211 -32.288 1506.43381	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.1 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.0 -22.5 7.8 -3.4 3.6 -5.3 3.0	SEC TO 703  AZSUN -78.7 -80.0 -80.3 -81.2 -81.8 -81.6 -82.1 -79.5 -76.9 -78.3 -80.3	IMPACT 1925 AZA 66-0 57-1 62-6 48-3 37-6 46-8 53-9 63-6 74-7 69-7 69-7	ALT 1498.43649 A• 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216	B/A 0.897 0.928 0.999 0.975 0.877 0.799 0.884 0.953 0.953	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2	ON .225 INCD 69.7 61.5 55.8 60.5 65.4 66.6 68.4 63.0 58.1 56.7	R 3233.89; PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 29.2 53.0 18.4	V 2 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 -0.5 1.7 2.2	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 100-11
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 -18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.422 1567.94781 7 -18.468 -20.643 1681.49121 8 -18.433 -26.395 1627.0201 10 -13.126 -32.045 1540.22067 11 -8.211 -32.288 1506.43381	AZS/C AZM -17.2 6.8 -32.9 5.7 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.7 -37.6 12.7 -37.6 12.7 -37.6 12.7 -37.6 12.7 -37.6 12.7 -53.3 3.0 -51.8 2.7 -51.8 2.7	SEC TO 703. AZSUN -78.7 -80.0 -80.3 -81.2 -81.6 -82.1 -79.5 -76.9 -78.3 -80.3 -80.3	IMPACT 925 AZA 66.0 57.1 62.6 48.3 37.6 46.8 53.9 63.6 74.7 69.7	ALT 1498.43649 A* 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216	B/A 0.999 0.999 0.974 0.925 0.877 0.799 0.854 0.881 0.953 0.999 0.977	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2	ON .225 INCD 69.7 61.5 55.8 60.5 66.6 68.4 63.0 58.1 56.7 55.8	R 3233.89: PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 29.2 53.0 18.4 53.2 8.1	V 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 -0.5 1.7 2.8	PTH AZ -72-839 116-702  SCALE PT-PT 0. 0-1 256-07785 1-2 212-18556 2-3 143.85749 3-4 152-48703 4-5 156-05558 5-6 173-70884 6-7 165-27191 7-8 153-391073 8-9 163-75048 9-10 149-03367 10-11
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.629 -18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.492 1567.94781 6 -12.804 -21.705 1606.41187 7 -18.448 -20.643 1681.49121 8 -18.433 -26.395 1627.02017 9 -18.525 -31.752 1606.13667 10 -13.126 -32.045 1540.22067 11 -8.211 -32.288 1506.43381 12 -4.425 -37.035 1506.65547 13 -4.161 -32.474 198.855347 14 -3.857 -27.800 1515.32123	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.0 -22.5 7.8 -5.3 3.0 -11.8 2.7 -95.6 1.3	SEC TO 703. AZSUN -78.7 -80.0 -80.3 -81.2 -81.8 -82.1 -79.5 -76.9 -78.3 -82.0 -82.3	IMPACT -925 AZA 66.0 57.1 62.6 46.8 53.9 63.6 74.7 69.7 62.6 74.3 53.2 37.6	ALT 1498.43645 A* 75-19327 74-05863 70-94566 72-05163 73-79579 75-98192 79-18965 76-96062 75-59147 72-85216 67-70065 68-44354 70-85680	LA* 9 -4.  B/A 0.897 0.928 0.999 0.974 0.925 0.877 0.799 0.854 0.953 0.999 0.977 0.980	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6	ON .225 INCD 69.7 61.5 55.8 60.5 65.4 66.6 68.4 68.1 56.7 55.8 50.7 55.8	R 3233.89: PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 29.2 53.0 18.4 53.2 8.1	V 2 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 -0.5 1.7 2.2	PTH AZ -72.839 116.702 SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 163.75048 9-10 149.03367 10-11
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 - 18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.02017  9 -18.525 -31.752 1606.13667  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  12 -4.425 -37.035 1506.65547  13 -4.161 -32.474 1498.85538  14 -3.857 -27.800 1515.32123  5 -3.502 -22.857 1558.72064	AZS/C AZN -17.2 6.8 -32.9 5.1 -11.8 2.1 -55.7 4.6 -59.8 6.3 -70.2 8.7 -37.6 12.0 -22.5 7.3 3.6 -5.3 3.6 -11.8 2.7 95.6 1.3 -116.1 2.5 -94.0 3.6 -92.2 4.6	SEC TO 703. AZSUN -78.7 -80.0 -80.3 -81.2 -81.6 -82.1 -79.5 -76.9 -78.3 -80.3 -80.3 -82.3 -82.5 -82.5	IMPACT .925 AZA 66.0 57.1 62.6 48.3 37.6 46.8 53.9 63.6 74.7 69.7 62.6 74.3 53.2 37.6	ALT 1498.43645 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216 70.94566 67.70065 68.44354 70.85680 72.50912	LA: B/A 0.897 0.928 0.997 0.925 0.877 0.799 0.881 0.953 0.977 0.980 0.995 0.995	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -95.4 -95.7 -95.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -95.6 -80.2 -80.9	ON .225 INCD 69.7 55.8 60.5 65.4 66.6 68.4 63.0 58.1 55.7 55.8 50.7 55.8 64.7	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 53.2 29.2 42.5 37.7 53.2 18.4 53.2 8.1 53.9 8.2 48.4 11.7 48.4 11.7	V 2 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 1.7 2.2 1.5 11.6	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 -18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  6 -12.804 -21.705 1606.41187  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.02017  9 -18.525 -31.752 1606.13667  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  2 -4.425 -37.035 1506.65547  13 -4.161 -32.474 1498.85538  14 -3.857 -27.800 1515.32123  15 -3.502 -22.857 1558.72064	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.0 -22.5 7.8 -5.3 3.6 -5.3 5.6 -5.3 5.6 -5	SEC TO 703. AZSUN -78.7 -80.0 -80.3 -81.2 -81.6 -82.1 -79.5 -76.9 -76.9 -78.3 -80.3 -82.0 -82.3 -82.5 -82.4 -81.4	IMPACT.925  AZA 66.0 57.1 62.6 48.3 37.6 46.8 53.9 63.6 74.7 62.6 74.3 53.2 37.6 27.6 27.6 20.4	ALT 1498-43649 75-19327 74-05863 70-94566 72-05163 73-79579 75-98192 79-18965 76-96062 75-59147 72-85216 67-70065 68-44354 70-85680 72-50912 74-95210	LAA -4. B/A 0.897 0.928 0.975 0.877 0.799 0.854 0.881 0.953 0.995 0.995 0.946 0.966 0.970	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2 -82.6 -80.9 -80.1	ON .225 INCD 69.7 61.5 55.8 60.5 66.6 68.4 66.6 63.0 58.1 56.7 55.8 50.7 55.8 60.7	R 3233.89; PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.4 23.6 42.5 37.7 47.9 31.8 53.2 29.2 53.0 18.4 53.2 8.1 53.7 1.8 8.2 53.7 1.8 43.1 22.0	V 2 2.054 AL PHA 29.8 12.2 2.2 12.4 22.9 10.5 -0.5 -0.5 1.7 2.2 1.4 21.6 21.4	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.7084 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.7649 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 - 18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.02017  9 -18.525 -31.752 1606.13667  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  2 -4.425 -37.035 1506.65547  13 -4.161 -32.474 1498.85538  4 -3.857 -27.800 1515.32123  5 -3.502 -22.857 1558.72064  16 -3.074 -17.426 1634.395703	AZS/C AZN -17.2 6.8 -32.9 5.1 -11.8 2.7 -55.7 4.6 -50.2 8.7 -37.6 12.0 -22.5 7.3 -31.4 3.6 -11.8 2.7 -94.0 3.6 -94.0 3.6 -94.0 3.6 -94.0 3.6 -94.0 3.6	SEC TO 703.  AZSUN -80.0 -80.3 -81.2 -81.6 -82.1 -79.5 -76.9 -78.3 -82.3 -82.4 -81.9 -82.4 -81.9	IMPACT.925  AZA 66.0 57.1 62.6 48.3 37.6 46.8 53.9 63.6 74.7 69.7 62.6 74.3 53.2 37.6 20.4 29.5	ALT 1498.43649 A.* 75.19327 74.05863 70.94566 72.05163 73.79579 79.18965 76.96062 75.59147 72.85216 67.70065 68.44354 70.85680 72.50912 74.95210 76.38809	LA: B/A 0.897 0.928 0.999 0.974 0.925 0.877 0.799 0.854 0.953 0.999 0.946 0.870 0.995 0.995 0.946 0.870 0.984	T L 579 -33 AZPHAZ -93-2 -85-6 -85-2 -84-8 -90-2 -95-7 -95-2 -94-8 -80-9 -80-1 -79-0 -84-2	ON .225 INCD .61.5 55.8 60.5 65.4 66.6 68.4 63.0 56.7 55.8 50.7 55.8 60.7 75.8	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 53.2 29.2 42.5 37.7 53.2 8.1 58.9 8.2 53.7 1.8 48.4 11.7 43.1 22.0 37.9 32.7 37.1 34.0	V 2 2.054 AL PHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 1.7 2.2 1.5 11.4 21.6 32.1	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.85749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.76469 15-16 132.66613 16-17
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 - 18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.02017  9 -18.525 -31.752 1606.13667  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  2 -4.425 -37.035 1506.65547  13 -4.161 -32.474 1698.85538  4 -3.857 -27.800 1515.32123  5 -3.502 -22.857 1558.72064  16 -3.074 -17.426 1634.39529  17 -7.413 -16.824 1646.35703  18 -12.702 -15.769 1691.32611  19 -18.604 -14.112 1778.89001	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -50.2 8.7 -37.6 12.0 -22.5 7.8 -3.4 3.6 -11.8 2.7 -94.0 3.6 -94.0 3.6 -94.0 3.6 -94.0 3.6 -91.5 5.4 -91.5 7.9 -91.5 7.9 -94.0 3.6	SEC TO 703.  AZSUN -78.7 -80.0 -80.3 -81.2 -81.8 -91.6 -82.1 -79.5 -76.9 -78.3 -80.3 -82.5 -82.4 -82.3 -83.2 -85.3 -83.2 -85.3	IMPACT.925  AZA 66-0 57-1 62-6 48-3 37-6 46-8 53-9 63-6 74-7 69-7 62-6 27-6 27-6 27-6 27-6 27-6 27-6 27	ALT 1498.43649 A. 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216 67.70065 68.44354 67.70065 68.44354 70.8568 72.50912 74.95210 76.38809 78.88062 82.64317	LA:  B/A  0.897  0.928  0.974  0.925  0.877  0.799  0.854  0.953  0.995  0.946  0.870  0.847	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.7 -95.2 -94.8 -90.2 -95.6 -80.9 -80.1 -79.0 -84.9 -80.1 -79.0	ON .225 INCD 69.7 61.5 55.8 60.5 668.4 63.0 56.7 55.8 50.7 75.8 71.0 72.4 74.6	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.4 23.6 42.2 29.2 42.5 37.7 53.0 18.4 53.2 8.1 53.0 18.4 53.7 1.8 48.4 11.7 37.9 32.7 36.8 38.6 37.1 34.0 36.8 38.6 37.2 46.1	V 2 2.054 AL PHA 29.8 12.2 2.2 12.4 22.9 10.5 -0.5 -0.5 1.7 2.2 1.4 21.6 21.4	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.7084 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.7649 15-16
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 - 18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.422 1567.94781 7 -18.468 -20.643 1681.49121 8 -18.433 -26.395 1627.02017 9 -18.525 -31.752 1606.13667 10 -13.126 -32.045 1540.22067 11 -8.211 -32.288 1506.43381 12 -4.425 -37.035 1506.65547 13 -4.161 -32.474 1498.85538 -4 4 -3.857 -27.800 1515.32123 15 -3.502 -22.857 1558.72064 6 -3.074 -17.426 1634.39529 17 -7.413 -16.824 1646.35703 8 -12.702 -15.769 1691.32611 19 -18.604 -14.112 1778.89001 20 -25.717 -11.276 1931.64723	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.3 -37.6 12.0 -22.5 7.8 -3.4 3.6 -5.3 3.0 -11.8 2.7 95.6 1.3 -94.0 3.6 -94.0 3.6 -91.5 5.4 -75.9 7.9 -60.3 11.4 -48.3 16.2.3	SEC TO 703.  AZSUN 7-80.0 -80.3 -81.2 -81.8 -81.6 -82.1 -79.5 -76.9 -80.3 -82.0 -82.4 -81.9 -82.3 -82.5 -82.	IMPACT 925 AZA 66-01 67-1 62-6 48-3 37-6 46-8 53-9 63-6 74-7 62-6 74-7 62-6 20-4 29-5 38-3 45-6	ALT 1498.43645 A. 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216 67.70065 68.44354 70.85680 72.50912 74.95210 76.388062 82.64317 88.660817	LA B/A U-8897 0-928 0-939 0-975 0-877 U-795 0-887 U-881 0-953 U-977 0-980 0-946 0-870 0-870 0-870 0-705 0-570	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2 -81.6 -80.9 -80.9 -80.9 -80.3 -90.3	ON .225 INCD 69.7 61.5 55.8 60.5 65.4 66.6 68.1 55.7 55.8 50.7 55.8 70.1 71.0 72.4 74.6	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 29.2 53.0 18.4 53.2 8.1 58.9 8.2 53.7 1.8 48.4 11.7 37.9 32.7 37.1 34.0 37.9 32.7 37.1 34.0 37.2 46.1 38.2 56.4	V 2.054 ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 -0.5 1.7 2.2 -8.2 1.5 11.4 21.6 32.1 33.7 34.6 34.3 33.6	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.7084 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.76469 15-16 132.66613 16-17 163.26185 17-18 185.18597 18-19 229.64801 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 -18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  6 -12.804 -21.705 1606.41187  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.02017  9 -18.525 -31.752 1606.13667  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  2 -4.25 -37.035 1506.65547  13 -4.161 -32.474 1498.85538  14 -3.857 -27.800 1515.32123  15 -3.502 -22.857 1558.72064  16 -3.074 -17.426 1634.39529  17 -7.413 -16.824 1646.35703  18 -12.702 -15.769 1091.3261  19 -18.604 -14.112 1778.89001  20 -25.717 -11.276 1931.64723  21 -25.088 -18.957 1808.13025	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.0 -22.5 7.8 -5.3 3.0 -11.8 2.7 -11.8 2.7 -92.2 4.6 -92.2 4.6 -75.9 7.9 -60.3 11.4 -75.9 7.9 -60.3 11.4 -78.9 2.8 -78.9 2.8	SEC TO 703 AZSUN 7-80.0 -80.3 3-81.6 -82.3 -82.4 -81.9 -82.4 -81.9 -82.4 -81.9 -82.6 -82.6 -82.6 -82.6 -82.6 -84.0 -82.6 -84.0	IMPACT-925  AZA 66-0 57-1 62-6 48-3 37-6 46-8 53-9 63-6 74-7 59-7 62-6 20-4 29-5 38-3 45-6 51-7 79-7	ALT 1498.43649 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 77.185216 70.94566 67.70065 68.44354 70.85680 72.55912 74.95210 76.38809 78.88062 78.88062 78.88062 78.88063 78.88064 78.88062 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064 78.88064	LA 9 -4. B/A 0.928 0.999 0.975 0.877 0.799 0.854 0.953 0.999 0.976 0.968 0.968 0.976 0.968 0.976	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.2 -95.2 -95.2 -96.8 -82.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3 -90.3 -90.3	ON .225 INCD 69.7 61.5 55.8 60.5 66.6 68.4 63.0 56.7 55.8 50.7 755.2 59.8 64.1 71.0 72.4	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 44.9 31.8 53.2 29.2 53.7 1.8 53.2 18.1 53.1 12.0 36.8 38.6 37.9 32.7 37.1 34.0 36.8 38.6 38.2 56.4 38.2 56.4	V 2 2.054  ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 22.0 10.5 1.7 2.2 1.6 32.1 33.7 34.6 34.3 33.6 319.3	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.185749 3-4 152.48703 4-5 156.05558 5-6 173.70844 6-7 165.27191 7-8 153.391073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.76469 15-16 132.66613 16-17 163.26185 17-18 185.18597 18-19 229.64801 19-20 211.00916 20-21
TRAJECTORY DATA  PHOTO DATA  PT LAT	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -59.8 6.2 -37.6 12.0 -22.5 7.8 -37.6 12.0 -22.5 7.8 -11.8 2.7 -95.6 1.3 -14.8 2.7 -94.0 3.6 -91.5 -94.0 3.6 -91.5 7.9 -60.3 11.4 -48.3 16.2 -29.5 17.3 -29.5 17.3 -29.5 17.3	SEC TO 703.  AZSUN 7-80.0 -80.3 -81.2 -81.8 -82.1 -79.5 -76.9 -78.3 -80.3 -82.0 -82.4 -81.9 -82.3 -82.4 -81.9 -82.3 -82.4 -81.9 -82.3	IMPACT .925  AZA 66.0 57.1 62.6 48.3 37.6 9.3 6.7 4.7 62.6 74.7 62.6 74.2 37.6 20.4 29.5 37.6 20.4 29.5 6.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7	ALT 1498.43649 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216 70.94566 67.70065 68.44354 70.85680 72.50912 74.95210 76.38809 78.88062 82.64317 88.60817 88.60817 88.60817	LA B/A 0.897 0.928 0.999 0.974 0.925 0.877 0.881 0.959 0.854 0.959 0.959 0.9746 0.877 0.795 0.70681 0.74681 0.74681	T L 5779 -33 AZPHAL -93.3 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3 -102.2	ON .225 INCD 69.7 61.5 65.8 60.5 65.4 66.6 63.0 58.1 55.7 55.8 50.7 71.0 72.4 74.6 78.0 71.1	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 8.1 58.9 8.2 53.0 18.4 53.1 1.8 48.4 11.7 37.9 32.7 37.1 34.0 36.8 38.6 37.2 46.1 38.2 56.4 43.3 48.3 48.4 43.1 43.1	V 2 2.054  ALPHA 29.B 12.2 12.4 22.9 23.1 22.0 10.5 -0.5 1.7 2.2 1.5 11.4 21.6 32.1 33.7 34.6 33.6 19.3 6.7	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-2 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.76469 15-16 132.66613 16-17 163.26185 17-18 185.18597 18-19 229.64801 19-20 211.00916 20-21 178.21498 21-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 - 18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  7 -18.433 -26.395 1627.02017  9 -18.525 -31.752 1606.13867  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  2 -4.425 -37.035 1506.65547  13 -4.161 -32.474 1498.85538  -4 -3.857 -27.800 1515.32123  15 -3.502 -22.857 1558.72064  16 -3.074 -17.426 1634.39529  17 -7.41 3 -16.824 1646.35703  18 -12.702 -15.769 1691.32611  19 -18.604 -14.112 1778.89001  2-2.717 -11.276 1931.64723  21 -25.088 -18.957 1808.13025  22 -24.816 -25.440 1741.20053  23 -24.777 -31.368 1714.90550  24 -24.930 -37.095 17123.12395	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.0 -22.5 7.8 -5.3 3.6 -5.3 3.6 -5.3 3.6 -5.3 3.2 -75.9 7.9 -92.2 4.6 -92.2 4.6 -75.9 7.9 -60.3 11.4 -48.3 16.2 -39.6 23.8 -49.6 23.8 -49.7 5.9 7.9 -40.7 5.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7	SEC TO 7030  AZSUN -78.7 -80.0 -80.3 -81.6 -82.1 -79.5 -82.3 -82.4 -81.9 -82.3 -83.2 -81.6 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5 -82.4 -81.9 -82.5	IMPACT 925 AZA 66.0 57.1 62.6 46.8 53.9 63.6 74.7 69.7 62.6 74.3 53.9 62.6 74.3 53.9 63.6 74.7 69.7 69.7 62.6 74.3 74.3 75.6 76.6 76.3 76.6 76.3 76.6 76.3 76.6 76.6 76.6 76.7 76.6 76.7 76.6 76.7	ALT 1498.43649 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216 70.94566 67.70065 68.44354 70.85680 72.50912 74.95210 76.38809 72.60412 88.60817 84.00817 84.00818	LA' 9 -4.  B/A 0.897 0.928 0.997 0.925 0.877 0.799 0.854 0.953 0.997 0.968 0.870 0.968 0.870 0.681 0.774	T L 579 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.9 -80.1 -79.0 -84.2 -90.3 -90.2	ON .225 INCD 69.7 61.55.8 60.5.4 60.5.4 63.0 56.7 75.2 50.7 70.1 71.0 72.4 74.6 77.1 65.3	R 3233.89; PHAZ EMIS 39.0 33.4 47.6 21.9 47.6 21.9 42.4 23.6 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 29.2 253.7 1.8 48.4 11.7 43.1 22.0 36.8 38.6 37.9 32.7 37.1 34.0 36.8 38.6 43.3 48.3 48.6 43.1	V 2 2.054  ALPHA 29.8 12.2 2.2 12.4 22.9 23.1 1.7 2.0 10.5 1.7 2.2 8.2 1.5 11.4 21.6 34.6 34.3 33.6 34.3 33.6 19.3	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.7084 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.7649 15-16 132.66613 16-17 163.26185 17-18 185.18597 18-19 229.64801 19-20 211.00916 20-21 178.21498 21-22 178.21498 21-22
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.629 -18.488 1640.32555 2 -12.948 -27.036 1558.33125 3 -8.211 -32.288 1506.43381 4 -7.964 -27.497 1523.22533 5 -7.701 -22.422 1567.94781 6 -12.804 -21.705 1606.41187 7 -18.446 -20.643 1681.49121 8 -18.433 -26.395 1627.02017 9 -18.525 -31.752 1606.13667 10 -13.126 -32.045 1540.22067 11 -8.211 -32.288 1506.45381 12 -4.425 -37.035 1506.65547 13 -4.161 -32.474 1498.85538 14 -3.857 -27.800 1515.32123 15 -3.502 -22.857 1558.72064 16 -3.074 -17.426 1634.39529 17 -7.413 -16.824 1646.35703 18 -12.702 -15.769 1691.32611 19 -18.604 -14.112 1778.8900 0 -25.717 -11.276 1931.64723 21 -25.088 -18.957 1808.13025 22 -24.816 -25.440 1741.20055 23 -24.777 -31.368 1714.90550 24 -24.930 -37.095 1723.12395 5 -18.709 -36.957 1614.4733	AZS/C AZN -17.2 6.8 -32.9 5.2 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -37.6 12.0 -22.5 7.8 -5.3 3.0 -5.3 3.0 -5.3 3.0 -5.3 3.0 -5.4 3.6 -5.3 3.0 -5.5 3.3 1.2 -94.0 3.6 -92.2 4.6 -92.2 4.6 -92.2 4.6 -8.3 16.2 -93.6 23.8 -29.5 17.3 -17.0 10.9 -2.5 4.5 -17.0 10.9 -2.5 4.5 -17.0 10.9 -2.5 4.5 -17.0 10.9 -2.5 4.5 -2.5 4.5 -17.0 10.9 -2.5 4.5 -17.0 10.9 -1.5 4.5 -1.5 4.5	SEC TO 703 AZSUN -78.7 -80.0 -80.3 -81.6 -82.1 -79.5 -76.9 -82.3 -82.4 -81.6 -82.4 -81.9 -82.3 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -72.5 -74.5	IMPACT .925  AZA 66.0 57.1 62.6 48.3 37.6 9.3 6.7 4.7 62.6 74.7 62.6 74.2 37.6 20.4 29.5 37.6 20.4 29.5 6.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7	ALT 1498.43649 75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.96062 75.59147 72.85216 70.94566 67.70065 68.44354 70.85680 72.50912 74.95210 76.38809 78.88062 82.64317 88.60817 88.60817 88.60817	LA' 9 -4.  B/A 0 -897 0 -928 0 -997 0 -957 0 -877 0 -877 0 -995 0 -946 0 -979 0 -854 0 -979 0 -574 0 -774 0 -774	T L 5779 -33 AZPHAL -93.3 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3 -102.2	ON .225 INCD 69.7 69.7 60.5 60.5 60.6 68.4 66.6 68.4 755.8 64.7 755.8 64.7 71.0 72.4 74.6 65.3 60.0 65.3	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 8.1 58.9 8.2 53.0 18.4 53.1 1.8 48.4 11.7 37.9 32.7 37.1 34.0 36.8 38.6 37.2 46.1 38.2 56.4 43.3 48.3 48.4 43.1 43.1	V 2 2.054  ALPHA 8 12.2 2 12.4 22.9 23.1 22.0 10.5 -0.5 11.6 23.1 12.0 33.7 33.6 34.3 33.6 34.3 33.6 3 -6.7 -4.9 -16.1 2	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.76469 15-16 132.66613 16-17 163.26185 17-18 185.18597 18-19 229.64801 19-20 211.00916 20-21 178.21498 21-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 -18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.02017  9 -18.525 -31.752 1606.13667  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  12 -4.425 -37.035 1560.65547  13 -4.161 -32.474 1698.85538 -4.43361  15 -3.502 -22.857 1558.72064  16 -3.074 -17.426 1634.39529  17 -7.413 -16.824 1646.35703  18 -12.702 -15.769 1691.32611  19 -18.604 -14.112 1778.89001  20 -25.717 -11.276 1991.64723  21 -25.088 -18.957 1808.13025  22 -24.816 -25.440 1741.20053  23 -24.777 -31.368 1714.90550  25 -18.709 -36.957 1614.74733  25 -18.709 -36.957 1614.74733  25 -18.709 -36.957 1614.74733  26 -13.338 -36.957 1614.74733	AZS/C AZM -17.2 6.8 -32.9 5.9 -11.8 2.1 -55.7 4.6 -59.8 6.2 -37.6 12.0 -22.5 7.3 3.6 -21.8 2.7 -37.6 12.0 -3.4 3.6 -11.8 2.7 -94.0 3.6 -94.0 3.6 -94.0 3.6 -91.5 5.4 -91.5 5.4 -91.5 17.3 -17.0 10.9 -2.5 17.3 -17.0 10.9 -2.5 4.5 -2.9 1.7 -2.9 1.7 -	SEC TO TO TO 3. AZSUN 7 -80.0 -80.3 -81.2 -81.8 -82.1 -79.5 -76.9 -82.3 -82.5	IMPACT - 925  AZ A 66-0 57-1 62-6 48-3 37-6 46-8 53-9 674-7 62-6 74-3 27-6 20-5 38-3 651-7 58-6 78-1 86-9 88-4	ALT 1498.43649 A. 75.19327 74.05863 70.94566 72.05163 73.79579 79.18965 76.96062 75.59147 72.85216 67.70065 68.44354 70.85680 71.50912 74.95210 74.95210 78.88062 82.64317 88.60817 88.60817 88.60817 88.2595 74.95210 78.2595 74.92507	LA'.  B/A 0.992 0.997 0.928 0.999 0.974 0.925 0.987 0.987 0.980 0.950 0.867 0.900 0.877 0.700 0.870 0.870 0.977 0.980	T L 5779 -33 AZPHAZ -93.3 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -94.8 -90.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3 -90.3 -102.2 -101.1 -100.2 -99.4 -99.4 -99.4 -99.4	ON .225 INCD 69.7 69.7 69.7 55.8 60.5 66.6 66.6 68.1 75.8 75.8 75.7 70.1 71.0 72.4 74.6 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77	R 3233.893 PHAZ EMIS 39.0 33.4 47.6 21.9 53.2 8.1 47.8 14.2 42.4 23.6 42.4 23.6 42.2 29.2 42.5 37.7 53.0 18.4 53.2 8.1 53.8 11.7 53.0 18.4 53.7 1.8 48.4 11.7 36.8 38.6 43.1 22.0 37.9 32.7 36.8 38.6 48.4 33.4 40.1 53.8 40.1 53.8 40.1 53.8 40.5 58.5 30.3	V 2 2.054  ALPHA 29.8 12.2 12.4 22.9 23.1 22.05 -0.5 1.7 2.2 -8.2 1.6 32.1 33.7 34.6 33.6 19.3 33.6 -16.1 -11.2 -8.7	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.76469 15-16 132.66613 16-17 163.26185 17-18 185.18597 18-19 229.64801 19-20 211.00916 20-21 178.21498 21-22 162.96903 22-23 157.48298 23-24 188.48651 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 - 18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.0201  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  12 -4.425 -37.035 1506.65547  13 -4.161 -32.474 1498.85538  14 -3.857 -27.800 1515.32123  15 -3.502 -22.857 1558.72064  16 -3.074 -17.426 1634.39529  17 -7.413 -16.824 1646.35701  18 -12.702 -15.769 1691.32611  19 -18.604 -14.112 1778.89001  20 -25.717 -11.276 1931.64723  21 -25.088 -18.957 1808.13025  22 -24.816 -25.440 1741.2053  23 -24.777 -31.368 1714.90550  24 -24.930 -37.095 1723.12395  25 -18.709 -36.957 1614.74733  26 -13.338 -36.957 1614.74733	AZS/C AZN -17.2 6.8 -32.9 5.9 -11.8 2.7 -55.7 4.6 -69.8 6.3 -50.2 8.7 -3.4 3.6 -5.3 3.6 -5.3 3.6 -11.8 2.7 -95.6 1.3 -95.6 1.3 -94.0 3.6 -92.2 4.6 -91.5 5.4 -75.9 7.9 -60.3 11.4 -48.3 16.2 -39.6 23.8 -29.5 17.3 -17.0 10.9 -17.0 10.	SEC TO 703 AZSUN -78.7 -80.0 -80.3 -81.6 -82.1 -79.5 -78.3 -82.3 -82.4 -82.3 -82.4 -82.3 -84.0 -80.0 -76.3 -79.5 -74.0 -76.3 -79.5	IMPACT A 66-07 A 66-07 A 78-6 A 78-4 A 78-6	75.19327 74.05863 70.94566 72.05163 73.79579 75.98192 79.18965 76.95062 77.285216 70.94566 67.70065 68.44354 70.85680 72.50912 74.95210 76.38809 78.88062 82.64317 84.02066 81.22595 74.95270 76.757611 78.82289 74.95270 72.24444	LA'.  0.49.  0.98.  0.974  0.925.  0.974  0.925.  0.975.  0.975.  0.975.  0.975.  0.976.  0.977.  0.977.  0.977.  0.977.  0.978.  0.977.  0.977.  0.977.  0.977.  0.977.  0.977.  0.977.  0.978.	T L 579 -33 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -82.2 -81.6 -82.2 -81.6 -82.2 -90.3 -90.1 -79.0 -84.2 -90.3	ON . 225 INCD 69.7 66.7 66.6 66.6 66.6 66.5 55.8 55.8 55.8 65.7 755.2 64.7 70.1 71.1 66.7 75.3 60.0 55.2 55.2 55.2 55.2 55.2 55.2 55.2 5	R 3233.89; PHAZ EMIS 39.0 33.4 47.6 21.9 47.8 14.2 42.4 23.6 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 8.1 53.2 18.4 53.7 1.8 48.4 11.7 37.1 34.0 37.9 32.7 37.1 34.0	V 2 2.054  ALPHA 8 12.2 2 12.4 22.9 23.1 22.0 5 - 0.5 1.7 2.2 11.6 132.7 34.6 34.3 33.6 6.7 -4.9 11.2 - 8.7 8	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.7084 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 83.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.76469 15-16 132.66613 16-17 163.26185 177-18 185.18597 18-19 229.64801 19-20 211.00916 20-21 278.21498 21-22 162.69903 22-23 157.48298 23-24 188.48651 24-25 162.69263 25-26
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.629 -18.488 1640.32555  2 -12.948 -27.036 1558.33125  3 -8.211 -32.288 1506.43381  4 -7.964 -27.497 1523.22533  5 -7.701 -22.422 1567.94781  7 -18.448 -20.643 1681.49121  8 -18.433 -26.395 1627.02017  9 -18.525 -31.752 1606.13667  10 -13.126 -32.045 1540.22067  11 -8.211 -32.288 1506.43381  12 -4.425 -37.035 1560.65547  13 -4.161 -32.474 1698.85538 -4.43361  15 -3.502 -22.857 1558.72064  16 -3.074 -17.426 1634.39529  17 -7.413 -16.824 1646.35703  18 -12.702 -15.769 1691.32611  19 -18.604 -14.112 1778.89001  20 -25.717 -11.276 1991.64723  21 -25.088 -18.957 1808.13025  22 -24.816 -25.440 1741.20053  23 -24.777 -31.368 1714.90550  25 -18.709 -36.957 1614.74733  25 -18.709 -36.957 1614.74733  25 -18.709 -36.957 1614.74733  26 -13.338 -36.957 1614.74733	AZS/C AZM -17.2 6.8 -32.9 5.9 -11.8 2.1 -55.7 4.6 -59.8 6.2 -37.6 12.0 -22.5 7.3 3.6 -21.8 2.7 -37.6 12.0 -3.4 3.6 -11.8 2.7 -94.0 3.6 -94.0 3.6 -94.0 3.6 -91.5 5.4 -91.5 5.4 -91.5 17.3 -17.0 10.9 -2.5 17.3 -17.0 10.9 -2.5 4.5 -2.9 1.7 -2.9 1.7 -	SEC TO 703 AZSUN -78.7 -80.0 -80.3 -81.6 -82.1 -79.5 -78.3 -82.3 -82.4 -82.3 -82.4 -82.3 -84.0 -80.0 -76.3 -79.5 -74.0 -76.3 -79.5	IMPACT - 925  AZ A 66-0 57-1 62-6 48-3 37-6 46-8 53-9 674-7 62-6 74-3 27-6 20-5 38-3 651-7 58-6 78-1 86-9 88-4	ALT 1498.43649 A. 75.19327 74.05863 70.94566 72.05163 73.79579 79.18965 76.96062 75.59147 72.85216 67.70065 68.44354 70.85680 71.50912 74.95210 74.95210 78.88062 82.64317 88.60817 88.60817 88.60817 88.2595 74.95210 78.2595 74.92507	LA'.  0.49.  0.98.  0.974  0.925.  0.974  0.925.  0.975.  0.975.  0.975.  0.975.  0.976.  0.977.  0.977.  0.977.  0.977.  0.978.  0.977.  0.977.  0.977.  0.977.  0.977.  0.977.  0.977.  0.978.	T L 579 -33 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -82.2 -81.6 -82.2 -81.6 -82.2 -90.3 -90.1 -79.0 -84.2 -90.3	ON . 225 INCD 69.7 66.7 66.6 66.6 66.6 66.5 55.8 55.8 55.8 65.7 755.2 64.7 70.1 71.1 66.7 75.3 60.0 55.2 55.2 55.2 55.2 55.2 55.2 55.2 5	R 3233.89; PHAZ EMIS 39.0 33.4 47.6 21.9 47.8 14.2 42.4 23.6 42.4 23.6 42.2 29.2 42.5 37.7 47.9 31.8 53.2 8.1 53.2 18.4 53.7 1.8 48.4 11.7 37.1 34.0 37.9 32.7 37.1 34.0	V 2 2.054  ALPHA 8 12.2 2 12.4 22.9 23.1 22.0 5 - 0.5 1.7 2.2 11.6 132.7 34.6 34.3 33.6 6.7 -4.9 11.2 - 8.7 8	PTH AZ -72.839 116.702  SCALE PT-PT 0. 0-1 256.07785 1-2 212.18556 2-3 143.86749 3-4 152.48703 4-5 156.05558 5-6 173.70884 6-7 165.27191 7-8 153.91073 8-9 163.75048 9-10 149.03367 10-11 183.20874 11-12 137.98903 12-13 141.53026 13-14 149.78251 14-15 164.76469 15-16 132.66613 16-17 163.26185 17-18 185.18597 18-19 229.64801 19-20 211.00916 20-21 178.21498 21-22 162.96903 22-23 157.48298 23-24 188.48651 24-25

	RA-VII CAMER	A EA	32
JULY 31,1964 13 HR 14 MIN 9 SEC 995	MS TAB NO	63 ATLAS PHOTO NO	63 POD SEQUENCE NO 132
TRAJECTORY DATA	SEC TO IMPACT 698.805	ALT LAT LON 1488.38162 -4.603 -33.175	R V PTH AZ 3223.837 2.057 -72.802 116.696
PHOTO DATA PT LAT LON RANGE AZS/C	AZN AZSUN AZA	A. B/A AZPHAZ INCD	PHAZ EMIS ALPHA SCALE PT-PT
1 -11.620 -18.507 1629.45518 -17.4	6.8 -78.7 65.8		39.0 33.3 29.8 0. 0-1 47.6 22.0 12.3 253.64732 1-2
2 -12.942 -26.971 1548.30431 -33.0 3 -8.236 ~32.191 1496.45844 -12.5	5.9 -80.1 57.0 2.7 -80.3 62.3		47.6 22.0 12.3 253.64732 1- 2 53.2 8.1 2.3 210.86928 2- 3
4 -7.990 -27.431 1513.36772 -55.7	4.6 -81.2 48.2	71.58526 0.974 -85.2 60.5	47.8 14.3 12.5 142.95190 3- 4
5 -7.728 -22.387 1557.96996 -69.8 6 -12.800 -21.672 1596.25446 -50.2	6.3 -81.8 37.6		42.4 23.6 22.9 151.55685 4- 5 42.2 29.3 23.2 155.08097 5- 6
6 -12.800 -21.672 1596.25446 -50.2 7 -18.406 -20.616 1670.81631 -37.6	8.7 -81.6 46.7 12.0 ~82.2 53.8		42.5 37.7 22.0 172.58926 6- 7
8 -18.391 -26.332 1616.51173 -22.6	7.8 -79.5 63.4	76.46345 0.854 -95.2 63.1	47.8 31.8 10.6 164.27302 7 0
9 +18.481 -31.654 1595.49681 -3.6	3.6 -76-9 74.4 3.1 -78.4 69.4		53.2 29.2 -0.4 152.93992 8- 9 53.0 18.4 1.8 162.64676 9-10
11 -8.236 -32.191 1496.45844 -12.5	2.7 -80.3 62.3		53.2 8.1 2.3 148.05894 10-11
12 -4.476 -36.907 1496.29156 95.3	1.3 -81.9 73.6	67.21164 0.977 -82.2 50.8	
13 -4.212 -32.378 1488.83095 -113.1 14 -3.910 -27.733 1505.40718 -93.7	2.5 -82.3 53.0 3.6 -82.4 37.6		53.7 1.9 1.6 137.03657 12-13 48.4 11.8 11.5 140.61920 13-14
15 -3.556 -22.821 1548.68320 -92.0	4.6 -82.3 27.6		43.1 22.0 21.6 148.85567 14-15
16 -3.131 -17.423 1623.95650 -91.4	5.4 -81.9 20.5		37.9 32.7 32.1 163.74589 15-16 37.1 34.0 33.8 131.83579 16-17
17 -7.442 -16.822 1635.97520 -75.8 18 -12.698 -15.772 1680.72610 -60.3	8.0 -82.3 29.5 11.4 -83.2 38.3	75.90593 0.847 -84.2 71.0 78.38624 0.795 -90.3 72.4	37.1 34.0 33.8 131.83579 16-17 36.8 38.6 34.6 162.25259 17-18
19 -18.562 -14.128 1767.66281 -48.4	16.2 -85.3 45.6	82.12185 0.709 -96.3 74.6	37.2 46.1 34.3 183.98394 18-19
20 -25.623 -11.320 1919.02058 -39.7	23.7 -89.5 51.6		38.2 56.3 33.6 227.89185 19-20 43.3 48.2 19.3 209.58827 20-21
21 -25.000 -18.945 1796.38371 -29.6 22 -24.728 -25.383 1729.72736 -17.1	17.3 -84.1 59.6		43.3 48.2 19.3 209.58827 20-21 48.6 43.0 6.8 177.10989 21-22
23 -24.686 -31.268 1703.30533 -2.7	4.5 -76.4 78.3	79.03711 0.775 -99.4 60.1	53.8 40.7 -4.8 161.92929 22-23
24 -24.835 -36.951 1711.02605 12.1	-2.1 -72.6 88.8		59.0 41.4 -15.9 156.37435 23-24 58.5 30.2 -11.1 187.01311 24-25
25 -18.662 -36.822 1603.68765 16.2 26 -13.328 -36.795 1538.31566 24.4	-0.8 -74.1 86.6 0.1 -76.4 83.9		58.5 30.2 -11.1 187.01311 24-25 58.4 20.1 -8.5 161.54901 25-26
27 -8.474 -36.833 1504.41968 45.7	0.8 -79.2 77.9	69.75268 0.998 -85.9 51.3	58.5 11.4 -7.7 147.02997 26-27
28 -4.476 -36.907 1496.29156 95.3	1.3 -81.9 73.6	67.21164 0.977 -82.2 50.8	58.9 8.0 -8.0 121.11601 27-28
	TAB NO	64 ATLAS PHOTO NO	64 POD SEQUENCE NO 134
JULY 31,1964 13 HR 14 MIN 15 SEC 115	5 MS		
TRAJECTURY DATA	SEC TO IMPAC 693.685	ALT LAT LON 1478.31781 -4.628 -33.125	R V PTH AZ 3213.773 2.059 -72.765 116.690
PHOTO DATA	073.003		
PT LAT LON RANGE AZS/C	AZN AZSUN AZA		PHAZ EMIS ALPHA SCALE PT-PT 39.0 33.3 29.8 0. 0-1
1 -11.611 -18.526 1618.57352 -17.6 2 -12.936 -26.907 1538.25992 -33.2	6.8 -78.8 65.6 6.0 -80.1 56.8		39.0 33.3 29.8 0. 0-1 47.6 22.0 12.4 251.24913 1-2
3 -8.261 -32.096 1486.47513 -13.2	2.7 -80.3 62.0	70.00579 0.999 -85.6 56.0	53.2 8.2 2.4 209.54941 2- 3
4 -8.016 -27.366 1503.49420 -55.8	4.6 -81.2 48.1		47.8 14.3 12.6 142.03459 3- 4 42.4 23.7 23.0 150.62259 4- 5
5 -7.756 -22.352 1547.96779 -69.7 6 -12.795 -21.641 1586.07045 -50.3	6.3 -81.8 37.6 8.7 -81.6 46.7		42.4 23.7 23.0 150.62259 4- 5 42.1 29.3 23.2 154.10336 5- 6
7 -18.365 -20.591 1660.11235 +37.7	12.0 -82.2 53.7	78.18293 0.799 -95.7 68.5	42.5 37.7 22.1 171.46629 6- 7
8 -18.349 -26.271 1605.98471 -22.8	7.9 -79.6 63.3	75.96540 0.854 -95.2 63.1	47.8 31.8 10.7 163.26881 7- 8 53.2 29.1 -0.3 151.96690 8- 9
9 -18.437 -31.557 1584.84825 -3.8 10 -13.111 -31.853 1519.90685 -5.9	3.6 -77.0 74.2 3.1 -78.4 69.2		53.0 18.4 1.9 161.54229 9-10
11 -8.261 -32.096 1486.47513 -13.2	2.7 -80.3 62.0	70.00579 0.999 -85.6 56.0	53.2 8.2 2.4 147.08321 10-11
12 -4.527 -36.781 1485.92984 94.9	1.3 -81.9 73.0		58.8 7.9 -7.9 180.73340 11-12 53.6 2.0 1.8 136.08500 12-13
13 -4.264 -32.282 1478.79999 -110.2 14 -3.962 ·27.668 1495.47881 -93.4	2.5 -82.3 52.8 3.1 -82.4 37.7		53.6 2.0 1.8 136.08500 12-13 48.4 11.8 11.6 139.70659 13-14
15 -3.610 -22.786 1538.62337 -91.8	4.7 -82.3 27.7	71.57301 0.946 -80.1 64.8	43.1 22.1 21.7 147.92500 14-15
16 -3.187 -17.421 1613.48592 -91.3	5.5 -81.8 20.6		37.9 32.7 32.1 162.72056 15-16 37.1 34.1 33.8 131.00273 16-17
17 -7.471 -16.822 1625.55907 -75.8 18 -12.694 -15.777 1670.08827 -60.3	8.0 -82.3 29.6 11.4 -83.2 38.3		37.1 34.1 33.8 131.00273 16-17 36.8 38.6 34.6 161.23907 17-18
19 -18.520 -14.145 1756.39343 -48.4	16.2 -85.3 45.5	81.59857 0.710 -96.3 74.5	37.2 46.0 34.3 182.77664 18-19
20 -25.529 -11.367 1906.34732 -39.7	23.6 -89.5 51.6		38.2 56.2 33.6 226.13016 19-20 43.3 48.2 19.4 208.15541 20-21
21 -24.911 -18.934 1784.60620 -29.7 22 -24.639 -25.327 1718.23595 -17.2	17.3 -84.1 59.5 10.9 -80.1 68.3		43.3 48.2 19.4 208.15541 20-21 48.6 43.0 6.9 175.99806 21-22
23 -24.596 -31.170 1691.69931 -2.8	4.6 -76.5 78.0	78.49786 0.776 -99.4 60.2	53.8 40.7 -4.6 160.88696 22-23
24 -24.739 -36.809 1698.93665 11.9	-2.0 -72.8 88.5		59.0 41.3 -15.7 155.26777 23-24 58.5 30.1 -10.9 185.54388 24-25
25 -18.614 -36.688 1592.63039 16.0 26 -13.319 -36.666 1527.78703 24.0	-0.7 -74.2 86.2 0.1 -76.4 83.5		58.3 20.0 -8.4 160.40623 25-26
27 -8.498 -36.706 1494.09334 45.1	0.8 -79.2 77.4	69.25627 0.998 -85.9 51.5	58.5 11.4 -7.5 146.02856 26-27
28 -4.527 -36.781 1485.92984 94.9	1.3 -81.9 73.0	66.72382 0.977 -82.2 51.0	58.8 7.9 -7.9 120.28686 27-28

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JULY 31,1964 13 HR 14 MIN 20	SEC 235 M	<b>i</b>	TAB NO	65	ATLAS PHO	го но	65	POD SE	QUENCE NO 136
TRAJECTORY DATA			IMPACT		LAT -4.653 -3	LON 3-075	R 3203.700	V 2.061 -	PTH AZ 72.728 116.683
PHOTO DATA									
PT LAT LON RANGE		ZN AZSUN			B/A AZPHAZ				SCALE PT-PT
1 -11.602 -18.545 1607.67998		-78.8		73.73112 0	-93.4		39.0 33.2		0. 0-1
2 -12.930 -26.846 1528.18616		-80-1		72.62600 0			47.6 22.0		48.93498 1- 2
3 -8.286 -32.003 1476.48152 4 -8.042 +27.303 1493.59358		.8 -80.3		69.53518 0 70.64973 0			53.2 8.2 47.8 14.4		08.22263 2- 3
5 -7.784 -22.321 1537.91980		6.4 -81.8		72.38177 0			42.4 23.7		41.11383 3- 4 49.67964 4- 5
6 -12.791 -21.613 1575.83673		3.7 -81.6		74.53573			42.1 29.3		53.12048 5- 6
7 -18.324 -20.570 1649.35297		.0 -82.2		77.67627 0			42.5 37.7		70.33638 6- 7
8 -18.307 -26.212 1595.42572		7.9 -79.6	63.1	75.46585 0	.854 -95.2	63.2	47.8 31.8		62.25306 7- 8
9 -18.393 -31.464 1574.18825	-4.0	3.7 -77.1		74.08714 0	.882 -94.8	58.3	53.2 29.1		50.98943 8- 9
10 -13.103 -31.760 1509.73416		3.1 -78.4		71.41014 0			53.0 18.4		60.43698 9-10
11 -8.286 -32.003 1476.48152		-80-3		69.53518 0			53.2 8.2		46.10626 10-11
12 -4.578 -36.656 1475.57593 13 -4.316 -32.189 1468.76010		-81.9		66.23797 0			58.6 7.8		79.49651 11-12
13 -4.316 -32.189 1468.76010 14 -4.015 -27.605 1485.52518		2.6 -82.2 3.7 -82.4		67.07768 0			53.6 2.1 48.4 11.9		35.13480 12-13 38.79075 13-14
15 -3.665 -22.754 1528.52028		7 -82.3		71.10249			43.1 22.1		46.98619 14-15
16 -3.245 -17.423 1602.94933			20.8	73.50729 0			37.9 32.7		61.68042 15-16
17 -7.501 -16.825 1615.07324			29.7	74.93529 0	.847 -84.2	71.0	37.1 34.1		30.16405 16-17
18 -12.690 -15.785 1659.37418	-60.3 1	.4 -83.2	38.3	77.39042 0	.795 -90.3	72.4	36.8 38.6		60.21721 17-18
19 -18.478 -14.166 1745.03671			45.5	81.07120 0	.710 -96.3	74.5	37.2 46.0		81.55737 18-19
20 -25 434 -11 419 1893 56763			51.5		.578 -102.3				24.34964 19-20
21 -24.822 -18.927 1772.76491			59.4		.683 -101.1				06.69141 20-21
22 -24.501 25.274 1701.71017 23 -24.505 -31.075 1680.08421	-17.3 10	).9 -80.1  -6 -76.6		79.61571 0	).746 -100.2 J. ( ) 7 - 33.4				74.87096 21-22
24 -24.644 -36.670 1686.86476		.9 -72.9		77.16174			59.0 41.2		59.83899 22-23 54.16397 23-24
25 -18.567 -36.558 1581.58276		.6 -74.		73.38521			58.5 30.1		84.08060 24-25
26 -13.309 -36.539 1517.26553		.2 -76.5		70.77144					59.26524 25-26
27 -8.521 -36.582 1483.77385		.8 -79.2		68.76173 0			58.5 11.3		45.02777 26-27
28 -4.578 -36.656 1475.57593	94.5	.3 -81.9	72.4	66.23797 0	.976 -82.2	51.1	58.8 7.8	-7.8 1	19.45829 27-28
JULY 31,1964 13 HR 14 MIN 25	SEC 354 M	<b>.</b>	TAB NO	66	ATLAS PHOT	0 NO	66	POD SEC	QUENCE NO 138
JULY 31,1964 13 HR 14 MIN 25 Trajectory data	SEC 354 M	SEC TO	IMPACT	ALT	LAT	LON	R	٧	PTH AZ
TRAJECTORY DATA	SEC 354 M	SEC TO		ALT		LON	R	٧	•
		SEC TO	IMPACT	ALT	LAT -4.679 -3	LON 3.025	R 3193•617	V 2.064 -	PTH AZ 72.690 116.677
TRAJECTORY DATA	AZS/C	SEC TO 683	IMPACT	ALT 1458-16187	LAT	LON 3.025 INCO	R 3193•617	V 2.064 -	PTH AZ 72.690 116.677 SCALE PT-PT
TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11.592 -18.564 1596.77467 2 -12.925 -26.785 1518.10028	AZS/C 4 -18.0 (	SEC TO 683 AZN AZSUM 5-8 -78-5 5-0 -80-1	IMPACT 3.445 I AZA 9 65.2 56.5	ALT 1458.16187 A+ 73.24221 0 72.14668 0	LAT -4.679 -3 B/A AZPHAZ 0.897 -93.4 0.927 -90.2	LON 3.025 INCD 69.6 61.8	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1	V 2.064 - ALPHA 29.7 12.5 2	PTH AZ 72.690 116.677 SCALE PT-PT 0. 0- 1 46.62444 1- 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.592 -18.564 1596.77467 2 -12.925 -26.785 1518.10028 3 -8.310 -31.911 1406.47993	AZS/C /-18.0 (-33.5 (-14.4 )	SEC TO 683 AZN AZSUM 6.8 -78.5 6.0 -80.1	IMPACT 3.445 4 AZA 65.2 56.5 61.5	ALT 1458.16187 A+ 73.24221 0 72.14668 0 69.06419 0	LAT -4.679 -3 B/A AZPHAZ 0.897 -93.4 0.927 -90.2	LON 3.025 INCO 69.6 61.8 56.2	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3	V 2.064 - ALPHA 29.7 12.5 2 2.6 2	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.62444 1-2 06.89376 2-3
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.592 -18.564 1596.77467 2 -12.925 -26.785 1518.10028 3 -8.310 -31.911 1466.47993 4 -8.068 -27.241 1483.68204	AZS/C -18.0 (-33.5 (-14.4 (-55.8 (-55	SEC TO 683  AZN AZSUM  5.8 -78.5  5.0 -80.1  2.8 -80.3	IMPACT 3.445 4 AZA 7 65-2 56-5 8 61-5 2 47-9	ALT 1458-16187 A+ 73-24221 C 72-14668 C 69-06419 C 70-18081 C	LAT -4.679 -3 B/A AZPHAZ 0.897 -93.4 0.927 -90.2 0.999 -85.6	LON 3.025 INCO 69.6 61.8 56.2 60.7	R 3193.617 PHAZ EMIS 39-1 33.2 47.6 22.1 53.2 8.3 47.8 14.5	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.62444 1-2 06.89376 2-3 40.19216 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.592 -18.564 1596.77467 2 -12.925 -26.785 1518.10028 3 -8.310 -31.911 1466.47993 4 -8.068 -27.241 1483.68204 5 -7.811 -22.290 1527.85844	AZS/C 4 -18.0 ( -33.5 ( -14.4 ( -55.8 (	SEC TO 683 AZN AZSUM 6.8 -78.5 6.0 -80.1 6.6 -81.6 6.4 -81.6	1 IMPACT 3.445 4 AZA 9 65.2 56.5 3 61.5 2 47.9 3 37.6	ALT 1458.16187 A* 73.24221 0 72.14668 0 69.06419 0 70.18081 0 71.90801 0	LAT -4.679 -3 B/A AZPHAZ 3.897 -93.4 9.927 -90.2 3.999 -85.2 3.973 -85.2	LON 3.025 INCO 69.6 61.8 56.2 60.7 65.6	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0 1 46.62444 1-2 06.89376 2-3 40.19216 3-4 48.73503 4-5
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.592 -18.564 1596.77467 2 -12.925 -26.785 1518.10028 3 -8.310 -31.911 1466.47993 4 -8.068 -27.241 1483.68204 5 -7.811 -22.290 1527.85844 6 -12.786 -21.385 1565.58821	AZS/C 4 -18.0 ( -33.5 ( -14.4 ) -55.8 ( -69.6 (	SEC TO 683  AZN AZSUM  6.8 -78.5  6.0 -80.1  6.6 -81.6  6.4 -81.6  6.7 -81.6	0 IMPACT 3.445 4 AZA 9 65.2 56.5 61.5 61.9 3 37.6 7 46.5	ALT 1458.16187 A* 73.24221 C 72.14668 C 69.06419 C 71.90801 C 71.90801 C 74.05097 C	LAT -4.679 -3  B/A AZPHAZ  0.897 -93.4  1.927 -90.2  0.999 -85.6  1.973 -85.2  0.923 -84.8	LON 3.025 INCO 69.6 61.8 560.7 65.6 66.8	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.3 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.62444 1-2 06.89376 2-3 40.19216 3-4 48.73503 4-5 52.13604 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.785 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1493.68204  5 -7.811 -22.290 1527.65844  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.57809	AZS/C -18.0 -33.5 -14.4 -55.8 -69.6 -50.4 -37.9 17	SEC TO 683  AZN AZSUM  1.8 -78.5  1.0 -80.1  1.6 -81.1  1.7 -81.1  1.0 -82.1	0 IMPACT 8.445 4 AZA 9 65-2 56-5 8 61-5 2 47-9 8 37-6 7 46-5 2 53-6	ALT 1458.16187 A* 73.24221 0 72.14668 0 69.06419 0 70.18081 0 71.90801 0 74.05097 0 77.16887 0	LAT -4.679 -3  B/A AZPHAZ 0.897 -93.4 0.999 -85.6 0.999 -85.6 0.993 -84.6 0.876 -90.3	LON 3.025 INCD 69.6 61.8 56.2 60.7 65.6 66.8 68.5	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.0 1 23.3 1 22.1 1	PTH AZ 72.690 116.677  SCALE PT-PT 0.0-1 46.62444 1-2 06.89376 2-3 40.19216 3-4 48.73503 4-5 52.13604 5-6 69.20470 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.785 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.57809  8 -18.265 -26.154 1584.85431	AZS/C -18.0 (-33.5 (-14.4 (-55.8 (-550.4 (-37.9 1)	SEC T6 683 AZN AZSUM 680 - 780.5 600 - 800.5 600 - 801.6 600 - 801	D IMPACT 3.445 AZA 65.2 56.5 3 61.5 2 47.9 3 37.6 7 46.5 2 53.6 7 63.0	ALT 1458-16187 A** 73-24221 C 72-14668 C 69-06419 C 71-90801 C 74-05097 C 77-16887 C 74-96572 C	LAT -4.679 -3  B/A AZPHAZ -897 -93.4 -9.927 -90.2 -9.999 -85.6 -9.73 -85.2 -9.923 -84.8 -9.0.3 -7.99 -95.2	INCD 69.6 61.8 56.2 60.7 65.6 66.8 68.5	R 3193.617 PHAZ EMIS 39-1 33.2 47-6 22-1 53.2 8.3 47-8 14-5 42-4 23.8 42-1 29-4 42-4 37-7 47-8 31-8	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.3 1 22.1 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0- 1 46.6244 1- 2 60.89376 2- 3 40.19216 3- 4 48.73503 4- 5 52.13604 5- 6 69.20470 6- 7 61.23520 7- 8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.785 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1493.68204  5 -7.811 -22.290 1527.65844  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.57809	AZS/C -18.0 -33.5 -14.4 -55.8 -69.6 -50.4 -37.9 1: -4.2	SEC TO 683  AZN AZSUM  1.8 -78.5  1.0 -80.1  1.6 -81.1  1.7 -81.1  1.0 -82.1	1 IMPACT 3.445 4 AZA 9 65.2 56.5 61.5 47.9 8 37.6 7 46.5 2 53.6 7 63.0 2 73.7	ALT 1458.16187 A* 73.24221 0 72.14668 0 69.06419 0 70.18081 0 71.90801 0 74.05097 0 77.16887 0	LAT -4.679 -3  B/A AZPHAZ   0.897 -90.2   0.997 -85.6   0.973 -86.2   0.923 -86.6   0.876 -90.3   0.799 -95.7   0.854 -95.2	LON 3.025 INCO 69.6 61.8 56.2 60.7 65.6 66.8 68.5 63.2 58.4	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.3 1 22.1 1 10.8 1	PTH AZ 72-690 116-677  SCALE PT-PT 0. 0-1 46-62444 1-2 06-89376 2-3 40-19216 3-4 48-73503 4-5 52-13604 5-6 67-20470 6-7 61-23520 7-8 50-01087 8-9
PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.785 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.595 1565.58821  7 -18.282 -20.548 1638.57809  8 -18.265 -26.154 1584.65431  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55261  1 -8.310 -31.911 1466.47993	AZS/C -18.0 -33.5 -14.4 -55.8 -69.6 -37.9 1: -23.1 -4.2 -6.6 -14.4	SEC TG 683 AZN AZSUI 5-8 -78-5 5-0 -80-1 5-6 -81-6 5-4 -81-6 5-7 -81-6 5-9 -79-6 5-1 -78-6 5-1 -78-6 5-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8	1 IMPACT 3.445 4 65.2 56.5 61.5 2 47.9 3 37.6 7 46.5 7 46.5 7 46.5 7 63.6 7 63.6 7 63.6 8 61.5	ALT 1458.16187 A* 73.24221 69.06419 70.18081 71.90801 74.05097 77.16887 74.96572 73.58881	LAT -4.679 -3  B/A AZPHAZ 1.897 -93.4 1.927 -93.2 1.929 -85.6 1.973 -85.2 1.923 -84.8 1.876 -90.3 1.799 -95.2 1.882 -94.8	LON 3.025 INCO 69.6 61.8 56.2 60.7 65.6 66.8 68.5 63.2 58.4	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7 47.8 31.8	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.3 1 22.1 1 10.8 1 -0.0 1 2.1 1	PTH AZ 72-690 116-677  SCALE PT-PT 0- 0- 1 46-62444 1- 2 06-89376 2- 3 40-19216 3- 4 48-73503 4- 5 52-13604 5- 6 69-20470 6- 7 61-23520 7- 8 50-01087 8- 9
TRAJECTORY DATA  PHUTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.785 1518.10028  3 -8.310 -31.911 1466.4799  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.97809  8 -18.265 -26.154 1584.85431  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55201  11 -8.310 -31.911 1466.47993  12 -4.629 -36.532 1465.21947	AZS/C -18.0 -33.5 -14.4 -55.8 -69.6 -50.4 -1-23.1 -4.2 -6.6 -14.4 94.2	SEC TG 68: AZN AZSUN 8-8 -78-5 1-8 -80-3 1-6 -81-3 3-7 -81-3 1-9 -79-3 1-7 -77-3 1-1 -78-3 1-8 -80-3 3-81-4	1 IMPACT 3.445 1 AZA 9 65.2 56.5 3 61.5 7 46.5 7 63.6 7 63.6 7 63.7 6 68.6 8 61.5 8 71.8	ALT 1458.16187 73.2421 0 72.14668 0 69.06419 0 70.18081 0 74.05097 0 77.16887 0 77.15881 0 70.9285 0 69.06419 0	LAT -4.679 -3  B/A AZPHAZ  B/B 7 -93.4  1.927 -90.2  1.973 -85.2  1.973 -85.2  1.973 -85.2  1.876 -90.3  1.879 -95.2  1.882 -94.8  1.953 -90.2  1.999 -85.6  1.979 -82.2	LON 3.025 INCD 69.6 61.8 56.2 60.7 65.6 68.5 63.2 58.4 57.1 56.2	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7 47.8 31.8 53.2 29.1 53.0 18.4 53.2 8.3 58.8 7.6	V 2.064 ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.0 1 12.1 1 10.8 1 -0.0 1 2.1 1 2.1 1 2.6 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0- 1 46.6244 1- 2 60.89376 2- 3 40.19216 3- 4 48.73503 4- 5 52.13604 5- 6 69.20470 6- 7 61.23520 7- 8 50.01087 8- 9 59.33083 9-10 45.12827 10-17
PHOTO DATA PT LAT LON RANGE 1 -11.592 -18.564 1596.77467 2 -12.925 -26.788 1518.10028 3 -8.310 -31.911 1466.47993 4 -8.068 -27.241 1483.68204 5 -7.811 -22.290 1527.85844 6 -12.786 -21.985 1565.58821 7 -18.282 -20.548 1638.57809 8 -18.265 -26.154 1594.85431 9 -18.348 -31.370 1563.51952 10 -13.096 -31.667 1499.55261 1 -8.310 -31.911 1466.47993 12 -4.629 -36.532 1465.21947	AZS/C -18.0 -33.5 -14.4 -55.8 -50.4 -37.9 1: -23.1 -4.2 -6.6 -14.4 -9.2 -105.3	SEC TG 683 AZN AZSUM 1.8 -78.5 1.0 -80.1 1.6 -81.1 1.7 -81.1 1.0 -82.7 1.9 -79.1 1.1 -78.1 1.8 -80.1 1.3 -81.6	1 IMPACT 3.445 4 AZA 6 65-2 5 56-5 3 61-5 2 47-9 3 37-6 7 46-5 7 53-6 68-6 68-6 68-6 7 73-7 68-6 8 61-5 9 73-7	ALT 1458.16187 73.24221 0 72.14668 0 69.06419 0 70.18081 0 71.90801 0 77.16887 0 77.16887 0 77.58681 0 70.92855 0 69.06419 0 66.75273 0 66.62203 0	LAT -4.679 -3  B/A AZPHAZ .897 -93.4 .927 -90.2 0.973 -85.2 .923 -84.8 0.975 -90.3 0.799 -95.7 0.882 -94.8 0.993 -90.8 0.993 -90.8	LON 3.025 INCO 69.66 61.8 56.2 60.7 65.6 66.8 68.5 63.2 57.1 56.2 57.1	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 77.7 47.8 31.8 53.2 29.1 53.0 18.4 53.2 8.3 58.8 7.6	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.3 1 10.8 1 -0.0 1 2.1 1 1.0 8 1 -7.6 1 -7.6 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.62444 1-2 60.89376 2-3 40.19216 3-4 48.73503 4-5 52.13604 5-6 69.20470 6-7 61.23520 7-8 50.01087 8-9 59.33083 9-10 45.12827 10-11 78.23979 11-12 34.18494 12-13
TRAJECTORY DATA  PHUTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1493.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.57809  8 -18.265 -26.154 1594.85531  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55261  11 -8.310 -31.911 1466.47993  12 -4.629 -36.532 1465.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.542 1475.56216	AZS/C -18.0 -33.5 -14.4 -55.8 -69.6 -50.4 -17.9 1: -4.2 -66.6 -14.4 -94.2 -105.3 -92.7	SEC TO 683  AZN AZSUM  1.8 -78.4  1.0 -80.1  1.4 -81.1  1.7 -81.1  1.9 -79.1  1.1 -78.1  1.8 -80.1  1.8 -80.1  1.8 -80.1  1.8 -80.1  1.8 -82.1  1.8 -82.1  1.8 -82.1  1.8 -82.1  1.8 -82.1  1.8 -82.1  1.8 -82.1  1.8 -82.1	1 IMPACT 3.445 4 AZA 65.2 56.5 61.5 64.5 7 46.5 7 63.0 7 73.7 68.6 68.6 68.6 7 63.2 7 73.7 68.6 7 63.2 7 73.7 7 63.0 8 7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8	ALT 1458-16187 73.2421 (72.14668 (69.06419 (71.90801 (71.90801 (71.90801 (71.9087 (71.9687 (71.9687 (66.9203 (66.9203 (66.9203 (66.9203 (66.99649 (66.9203 (66.99649 (66.9084	LAT -4.679 -3  B/A AZPHAZ  .897 -93.4  .927 -90.2  .973 -85.2  .973 -85.2  .973 -85.2  .974 -95.2  .874 -95.2  .875 -90.2  .979 -85.6  .979 -85.2  .991 -81.6	LON 3.025 INCD 69.6 61.8 56.2 60.7 65.6 66.8 68.5 63.2 58.4 57.1 56.2 51.2 55.6	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.4 23.8 42.4 37.7 47.8 31.8 53.2 29.1 53.0 18.4 53.2 8.3 53.6 2.1 68.8 7.6 53.6 2.1	V 2.064 - ALPHA 29.7 12.5 2.6 2 12.7 1 23.3 1 22.1 1 10.8 1 - 0.0 1 2.6 1 - 7.6 1 2.0 1 11.7 1 11.7 1	PTH AZ 72-690 116-677  SCALE PT-PT 0. 0-1 46-62444 1-2 60-89376 2-3 40-19216 3-4 46-73503 4-5 52-13604 5-6 69-20470 6-7 61-23520 7-8 50-01087 8-9 59-33083 9-10 45-12827 10-11 78-25979 11-12 34-16494 12-13 37-87411 13-14
PHOTO DATA PT LAT LON RANGE 1 -11.592 -18.564 1596.77467 2 -12.925 -26.788 1518.10028 3 -8.310 -31.911 1466.47993 4 -8.068 -27.241 1483.68204 5 -7.811 -22.290 1527.85844 6 -12.786 -21.985 1505.58821 7 -18.282 -20.548 1638.57809 8 -18.265 -26.154 1594.85431 9 -18.348 -31.370 1563.5192 10 -13.096 -31.667 1499.5526 11 -8.310 -31.911 1466.47993 12 -4.629 -36.532 1465.21947 13 -4.367 -32.096 1458.71375 14 -4.068 -27.542 1475.56216 5 -3.720 -22.722 1518.4054	AZS/C -18.0 0 -33.5 1-14.4 -55.8 -69.6 -50.4 -37.9 1: -4.2 -6.2 -14.4 94.2 -105.3 -92.7 -91.5	SEC TO 683  AZN AZSUM	IMPACT 1.445 1 AZA 1 556.5 2 556.5 3 61.5 2 47.9 3 37.6 7 63.0 7 63.0 7 63.0 7 63.0 7 63.0 7 63.0 7 63.0 7 63.0	ALT 1458-16187 73-24221 72-14668 69-06419 70-18081 71-90801 77-16887 77-16887 77-58481 70-92855 69-06419 65-75273 66-62203 68-99649 70-63142	LAT -4.679 -3  8/A AZPHAZ .897 -93.4 .927 -90.2 .993 -85.2 .923 -84.8 .973 -85.2 .923 -84.8 .95.2 .886 -94.8 .99.3 .999 -85.6 .976 -82.2 .998 -80.1	LON 3.025 INCO 69.6 61.8 56.2 60.7 65.6 68.5 63.2 58.4 57.1 56.2 55.6 60.1	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7 53.2 29.1 53.0 18.4 53.2 38.3 56.8 7.6 68.6 2.1 48.3 12.0	V 2.064 - ALPHA 29.7 1 12.5 2 2.6 2 12.7 1 23.0 1 10.8 1 -0.0 1 2.1 1 1.6 1 1.7 1 1.7 1 1.7 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.6244 1-2 60.89376 2-3 40.19216 3-4 48.73503 4-5 52.13604 5-6 69.20470 6-7 61.23520 7-8 50.01087 8-9 59.33083 9-10 45.12827 10-11 78.23979 11-12 34.18494 12-13 37.87411 13-14
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.97809  8 -18.265 -26.154 1584.85531  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55201  11 -8.310 -31.911 1466.47993  12 -4.629 -36.532 1455.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.542 1475.56216  15 -3.720 -22.722 1518.40540  16 -3.302 -17.425 1592.39911	AZS/C -18.0	SEC T6 683 AZN AZSUN 88 -78.2 0 -80.2 8 -80.2 6 -81.3 1 -7 -81.3 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -82.3	1 IMPACT 5.445 AZA 65.2 56.5 61.5 7 46.5 7 46.5 7 63.6 7 63.6 61.5 7 63.7 7 63.7 7 63.7 7 63.7 7 63.7 7 63.6 7 63.7 7 63.7 7 63.6 7 63.7 7 7 63.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ALT 1458-16187 73.24221 72.14668 69.06419 70.18081 71.19881 71.16887 77.16887 74.96572 69.06419 65.75273 66.62203 68.99649 70.63142 73.02244	LAT -4.679 -3  B/A AZPHAZ  .897 -93.4  .997 -85.6  .973 -85.2  .973 -85.2  .876 -90.3  .879 -95.3  .879 -95.2  .879 -85.6  .973 -85.2  .979 -85.6  .979 -85.6  .979 -85.6  .979 -85.6  .979 -85.6  .979 -85.6  .970 -82.2  .981 -81.6  .994 -80.9  .994 -80.9  .995 -80.7	LON 3.025 INCO 69.6 61.8 56.2 60.7 65.6 68.5 63.2 58.4 57.1 56.2 51.2 60.1 60.1	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.4 23.8 42.4 37.7 47.8 31.8 53.0 18.4 53.2 29.1 53.0 18.4 53.2 8.3 53.6 2.1 48.3 12.0 43.1 22.1	V 2.064 - 4LPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.3 1 22.1 1 2.1 1 2.1 1 2.6 1 -7.6 1 2.0 1 11.7 1 21.7 1 32.1 1	PTH AZ 72-690 116-677 0. 40-6244 1-2 06-89376 2-3 40-19216 3-4 48-73503 4-5 52-13604 5-6 69-20470 6-7 61-23520 7-8 59-33083 9-10 45-12827 10-11 78-23979 11-12 34-16494 12-13 34-16494 12-13 46-04585 14-15 60-63838 15-16
PHOTO DATA  PT LAT LON RANGE 1 -11.592 -18.564 1596.77467 2 -12.925 -26.785 1518.10028 3 -8.310 -31.911 1466.47993 4 -8.068 -27.241 1483.68204 5 -7.811 -22.290 1527.85844 6 -12.786 -21.985 1565.58821 7 -18.282 -20.548 1638.57809 8 -18.265 -26.154 1584.865431 9 -18.348 -31.370 1563.51925 10 -13.096 -31.667 1499.55201 11 -8.310 -31.911 1466.47993 12 -4.629 -36.532 1465.21947 13 -4.367 -32.096 1458.71375 14 -4.068 -27.542 1475.56216 5 -3.720 -22.722 1518.40540 16 -3.302 -17.425 1592.39911 7 -7.530 -16.828 1604.57187	AZS/C -18.0 0 -33.5 1 -4.4 -55.8 -69.6 -50.4 -37.9 1: -23.1 -6.6 -14.4 -94.2 -105.3 -92.7 -91.5 -91.0 -75.6	SEC T( 683  AZN AZSUM  .88 -78.  .00 -80.  .66 -81.  .7 -81.  .00 -82.  .7 -77.  .1 -78.  .6 -82.  .7 -82.  .6 -81.  .6 -81.	1 IMPACT 1-445 1 AZA 2 65-5 3 61-5 2 47-9 3 37-6 7 63-0 6 68-6 6 61-5 3 71-8 2 52-4 3 71-8 2 52-4 2 32-7 2 28-0 3 20-9 2 29-7	73.24221 (72.14668 (69.06419 (71.90801 (71.908	LAT -4.679 -3  B/A AZPHAZ .897 -93.4 .927 -90.2 .937 -85.2 .937 -85.2 .816 -90.3 .799 -95.7 .882 -94.8 .976 -82.2 .981 -81.6 .976 -82.2 .981 -81.6 .876 -79.6	LON 3.025 INCO 69.6 61.8 56.2 60.7 65.6 68.8 57.1 57.1 57.1 64.9 70.2	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7 53.2 29.1 53.0 18.4 53.2 8.3 56.8 7.6 53.6 2.1 48.3 12.0 48.3 12.0 37.9 32.7 37.1 34.1	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 23.3 1 22.1 1 10.8 1 -0.0 1 1 -0.0 1 1 2.0 1 11.7 1 21.7 1 21.7 1 32.1 1 33.8 1 33.8 3 33.8 3	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.62444 1-2 60.689376 2-3 40.10216 3-4 48.73503 4-5 52.13604 5-6 69.20470 6-7 61.23520 7-8 50.01087 8-9 59.33083 9-10 45.12827 10-11 78.25979 11-12 34.18494 12-13 37.7411 13-14 60.6585 14-15 60.63838 15-16 60.63838 15-16
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.97809  8 -18.265 -26.154 1584.85531  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55201  11 -8.310 -31.911 1466.47993  12 -4.629 -36.532 1455.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.542 1475.56216  15 -3.720 -22.722 1518.40540  16 -3.302 -17.425 1592.39911	AZS/C -18.0 -0 -33.5 -14.4 -55.8 -69.6 -50.4 -37.9 1: -4.2 -6.6 -14.4 -94.2 -105.3 -92.7 -91.5 -60.3 1	SEC T6 683 AZN AZSUN 88 -78.2 0 -80.2 8 -80.2 6 -81.3 1 -7 -81.3 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -78.2 1 -82.3	IMPACT 3.445  4 AZA 56.5 1 56.5 2 47.9 3 37.6 7 46.5 2 73.7 6 68.6 3 71.8 2 73.7 2 78.0 3 70.7 2 78.0 3 79.7 3 79.	ALT 1458-16187 73.24221 72.14668 69.06419 70.18081 71.19881 71.16887 77.16887 74.96572 69.06419 65.75273 66.62203 68.99649 70.63142 73.02244	LAT -4.679 -3  B/A AZPHAZ -90.2  1.997 -93.4  1.927 -90.2  1.973 -85.2  1.973 -85.2  1.973 -85.2  1.974 -95.3  1.875 -95.3  1.985 -95.2  1.981 -81.6  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9	LON 3.025 INCD 69.6 61.8 56.2 60.7 65.6 68.5 57.1 56.2 57.1 56.2 75.6 64.9 70.2 71.0	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.4 37.7 47.8 31.8 42.1 29.4 42.4 37.7 53.0 18.4 53.2 8.3 53.2 8.3 53.6 2.1 53.0 18.4 53.2 8.3 6.8 7.6 6.8 7.6 6.8 7.6 6.8 7.6 6.8 7.6 6.8 7.6 6.8 3.8 6.8 3.8 6.8 3.8 6.8 3.8 6.8 3.8 6.8 3.8 6.8 3.8 6.8 3.8 6.8 3.8	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 22.1 1 10.8 1 10.8 1 1-7.6 1 2.0 1 11.7 1 21.7 1 33.8 1 34.6 1	PTH AZ 72-690 116-677  SCALE PT-PT 0. 0-1 46-6244 1-2 06-89376 2-3 40-19216 3-4 48-73503 4-5 52-13604 5-6 69-20470 6-7 61-23520 7-8 59-33083 9-10 45-12827 10-11 78-25979 11-12 34-18494 12-13 78-7411 31-14 46-04585 14-15 60-63883 81-516 29-32412 16-17 99-19332 17-18
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1406.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.595 1565.58821  7 -18.282 -20.548 16388.57809  8 -18.265 -26.154 1584.85431  11 -8.310 -31.370 1563.51952  10 -13.096 -31.667 1499.55201  11 -8.310 -31.911 1406.47993  12 -4.629 -36.532 1405.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.542 1475.56216  15 -3.720 -22.722 1518.4055.716  16 -3.302 -17.425 1592.39911  17 -7.530 -16.828 1604.57181  18 -12.686 -15.794 1648.64288	AZS/C -18-0 -33-5 -14-4 -55-8 -69-6 -50-4 -37-9 1-23-1 -4-2 -105-3 -92-7 -91-5 -91-0 -75-6 -60-3 1 -48-5 1	SEC TI 681  LEN AZSUI	1 IMPACT 1-445  4 AZA 2 65-2 2 56-5 3 61-5 2 47-9 3 37-6 7 46-5 7 73-7 6 68-6 3 71-8 2 73-7 2 78-0 3 37-7 2 78-0 3 37-7 2 78-0 3 37-7 2 78-0 3 37-7 3 78-7 3 37-7 3 37-7 3 37-7 3 37-7 3 37-7 3 38-3 3 37-7 3 38-3 3 38-3 45-5 3 45-5 3 45-5	ALT 1458.16187 73.2421 0 72.14668 0 69.06419 0 70.18081 0 71.90801 0 71.90801 0 71.90801 0 71.90801 0 71.90801 0 71.90801 0 71.90801 0 70.92855 0 69.06419 0 65.75273 0 66.62203 0 66.99409 0 70.63142 0 73.02264 0 74.44766 0 76.88993 0 76.88993 0	LAT -4.679 -3  B/A AZPHAZ -90.2  1.997 -93.4  1.927 -90.2  1.973 -85.2  1.973 -85.2  1.973 -85.2  1.974 -95.3  1.875 -95.3  1.985 -95.2  1.981 -81.6  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9  1.994 -80.9	LON 3.025 INCD 69.6 61.8 56.2 60.7 65.6 66.8 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7 53.2 29.1 53.0 18.4 53.2 8.3 56.8 7.6 53.6 2.1 48.3 12.0 48.3 12.0 37.9 32.7 37.1 34.1	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 1 23.3 1 22.1 1 10.8 1 2.1 1 2.6 1 -7.6 1 1.7 1 2.1 1 32.1 1 32.1 1 33.8 1 34.6 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.62444 1-2 60.689376 2-3 40.10216 3-4 48.73503 4-5 52.13604 5-6 69.20470 6-7 61.23520 7-8 50.01087 8-9 59.33083 9-10 45.12827 10-11 78.25979 11-12 34.18494 12-13 37.7411 13-14 60.6585 14-15 60.63838 15-16 60.63838 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1466.4793  4 -8.068 -27.241 1493.8780  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.9780  8 -18.265 -26.154 1594.85531  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55261  11 -8.310 -31.911 1466.4793  12 -4.629 -36.532 1465.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.542 1475.56216  15 -3.720 -22.722 1518.40540  16 -3.302 -17.425 1592.39911  17 -7.530 -16.828 1604.57197  18 -12.686 -15.794 1648.64288  19 -18.435 -14.187 1733.66219  20 -25.338 -11.471 1880.77456	AZS/C -18.0 -19.1	SEC TI 683  AZN AZSUM  80 -80 -80 -80 -80 -80 -80 -80 -80 -80 -	IMPACT 3.445  4 AZA 65.2 56.5 1 61.5 2 47.9 3 37.6 7 63.0 7 63.0 7 63.7 7 63.0 7 63.7 7 63.0	ALT 1458-16187 73-24221 72-14668 69-06419 70-18081 71-90801 74-05097 77-16887 74-96572 73-58481 70-92855 66-62203 68-9649 70-63142 73-02264 73-02264 74-4476 74-4476 74-488993 80-54300	LAT -4.679 -3  B/A AZPHAZ -90.8  .897 -93.4  .927 -90.2  .993 -85.2  .973 -85.2  .973 -85.2  .882 -94.8  .876 -90.3  .799 -85.6  .893 -94.8  .894 -80.9  .995 -80.1  .897 -80.2  .898 -80.9	LON 3.025 INCO 69.6 66.8 56.2 60.7 65.6 63.2 57.1 56.2 55.6 60.1 64.9 71.0 71.0 71.0	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.4 27.7 53.2 29.1 53.2 29.1 53.0 18.4 53.6 2.1 48.3 12.0 37.9 32.7 37.1 34.1 36.8 38.6 37.1 34.1	V V 2.064 - ALPHA 29.7 12.5 2 2.6 2 2.1 1 10.8 1 -0.0 1 11.7 1 21.7 1 21.7 1 33.8 1 34.6 1 34.3 1 33.5 2	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.6244 1-2 60.89376 2-3 40.19216 3-4 48.73503 4-5 52.13604 5-6 67.20470 6-7 61.23520 7-8 50.01087 8-9 59.33083 9-10 45.12827 10-11 78.25979 11-12 34.18494 12-13 37.87411 13-14 46.04585 14-15 60.63838 15-16 60.63838 15-16 60.63838 15-15 60.936381 18-19
PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.598 1565.58821  7 -18.282 -20.548 1638.57809  8 -18.265 -26.154 1584.85431  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55261  11 -8.310 -31.911 1466.47993  12 -4.629 -36.532 1465.21947  13 -4.367 -32.096 1458.1375  14 -4.068 -27.542 1475.56216  -3.302 -17.425 1592.39911  17 -7.530 -16.828 1604.57187  18 -12.686 -15.794 1648.64288  19 -18.435 -14.187 1733.66219  20 -25.338 -11.471 1880.77454  21 -24.732 -18.920 1760.91037	AZS/C -18.0 -19.0	SEC TI 68:  AZSU AZSU AZSU AZSU AZSU AZSU AZSU AZSU	IMPACT 3.445  4 AZA 4 65.2 5 6.5 1 47.9 1 37.6 1 68.6 1 68.6 1 61.5 2 73.7 2 28.0 2 73.7 2 38.3 3 7.2 2 38.3 4 5.5 1 55.4	ALT 1458-16187 73-24221 72-14668 69-06419 70-18081 71-90801 74-05097 77-16887 74-96572 73-58481 70-92855 69-06419 66-62203 68-99649 70-63142 73-02264 73-02264 76-88993 80-54300 88-27575 81-82596 81-82596	LAT -4.679 -3  B/A AZPHAZ .897 -93.4 .927 -90.2 .9199 -85.6 .973 -84.8 .9199 -95.7 .810 -99.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8 .959 -90.8	LON 3.025 INCO 69.6 61.8 56.2 765.6 68.5 56.2 757.1 56.2 55.6 60.7 71.0 65.4 74.5 65.4 74.6 65.4 74.6 65.4 74.6 65.4 771.0 65.4 771.0	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7 47.8 31.8 53.2 29.1 53.0 18.4 53.2 29.1 35.8 7.6 6 2.1 48.3 12.0 37.9 32.7 37.1 34.1 36.8 38.6 37.2 46.0 37.2 46.0 38.2 56.0 43.3 48.0 43.3 48.0	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 2 12.7 1 22.0 1 22.3 1 1 -0.0 1 2.1 1 1 -7 1 2.1 1 11.7 1 22.1 1 32.1 1 34.6 1 34.3 1 33.8 1 34.6 1 34.3 1 33.5 2 19.4 2 17.1 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0- 1 46.62444 1- 2 60.89376 2- 3 40.19216 3- 4 48.73503 4- 5 52.13604 5- 6 69.20470 6- 7 61.23520 7- 8 50.01087 8- 9 59.33083 9-10 45.12827 10-11 78.23979 11-2 78.23979 11-2 78.23979 11-2 78.23979 11-7 80.63838 15-16 60.63838 15-16
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1483.87809  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.57809  8 -18.265 -26.154 1584.85531  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55201  11 -8.310 -31.911 1466.47993  12 -4.629 -36.532 1465.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.542 1475.56216  15 -3.720 -22.722 1518.40540  16 -3.302 -17.425 1592.39911  17 -7.530 -16.828 1604.57187  18 -12.686 -15.794 1648.64288  19 -18.435 -14.187 1733.66219  20 -25.338 -11.471 1880.77454  21 -24.732 -18.920 1760.91000  22 -24.463 -25.222 1695.17378  23 -24.461 -3.0980 1668.46317	AZS/C -18.0 -33.5 -14.4 -55.8 -69.6 -50.4 -17.9 1: -23.1 -4.2 -66.6 -14.4 -94.2 -105.3 -92.7 -91.5 -91.0 -75.6 -14.8 -51.1 -48.5 1: -3.5 1: -3.5 1: -3.5 1: -3.5 1: -3.5 1: -3.5 1: -3.5 1: -3.5 1: -3	SEC TI 683  AZSU AZSU  .8 -780 -806 -814 -817 -810 -827 -771 -826 -814 -831 -854 -891 -84.	1 IMPACT 3.445 4 AZA 65.25 56.5 5 47.9 3 37.6 7 46.5 7 53.6 7 63.0 7 73.7 2 73.7 2 73.7 2 73.7 2 73.7 2 73.7 3 71.7 2 73.7 2 73.7 3 71.7 2 73.7 3 71.7 2 73.7 3 71.7 3 71.7 3 71.7 3 71.7 3 71.6 5 68.6 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	73.2421 (72.14668 (74.96572 (74.9657	LAT -4.679 -3 88/A AZPHAZ 8897 -93.4 1.927 -90.2 1.999 -85.6 1.973 -85.2 1.973 -85.2 1.974 -95.3 1.882 -94.8 1.953 -90.2 1.981 -81.6 1.974 -80.2 1.984 -80.2 1.984 -80.2 1.987 -97.2 1.981 -81.6 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -80.3 1.994 -90.3 1.994 -90.3	LON 3.025 INCO 69.6 61.8 56.2 7 65.6 66.8 55.2 51.2 55.6 60.1 64.9 70.2 71.0 774.5 77.8 65.4 660.3	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 53.2 8.3 47.8 14.5 53.2 29.1 53.2 29.1 53.0 18.4 53.2 29.1 63.1 22.1 63.1 23	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 2.7 1 23.3 1 22.1 1 10.8 1 1 2.6 1 2.1 1 1 2.6 1 1 2.0 1 11.7 1 21.7 1 21.7 1 33.8 1 33.5 2 1 1.7 1 33.8 1 33.5 2 7.1 1 4.3 1 4.3 1 4.3 1 34.3	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0- 1 46.6244 1- 2 60.89376 2- 3 40.19216 3- 4 48.73503 4- 5 52.13604 5- 6 69.20470 6- 7 61.23520 7- 8 50.01087 8- 9 50.01087 8- 9 50.31087 8- 9 11.23520 7- 8 50.31087 8- 9 11.23520 7- 8 50.31087 8- 9 11.23520 7- 8 50.31087 8- 9 10.23520 7- 8 50.31087 8- 9 10.23520 7- 8 50.31087 8- 9 10.23520 7- 8 50.31087 8- 9 10.23520 7- 8 50.31088 8- 9 22.57155 19-20 50.22655 20-21 73.74185 21-22 51.7892 22-23
PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.985 1505.58821  7 -18.282 -20.548 1638.57809  8 -18.265 -26.154 1594.85431  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55261  11 -8.310 -31.911 1466.47993  12 -4.629 -36.532 1465.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.542 1475.56216  5 -3.720 -22.722 1518.40540  16 -3.302 -17.425 1592.3991  17 -7.530 -16.828 1604.571187  18 -12.686 -15.794 1668.64288  19 -18.435 -14.187 1733.6621  20 -25.338 -11.471 1880.77454  21 -24.732 -18.920 1760.91003  22 -24.463 -52.222 1695.17378  23 -24.415 -30.980 1668.46318  24 -24.546 -36.531 1674.794.394	AZS/C -18.0 0 -13.5 5 -14.4 -15.8 -69.6 -15.2 -69.6 -14.4 -17.9 1: -4.2 -6.6 -14.4 -19.5 3 -92.7 -91.5 -91.6 -60.3 1 -48.5 11 -39.8 2: -29.8 1 -17.4 11.6 -1	SEC TI 683  AZSU  .88 -78.  .0 -80.  .6 -81.  .4 -81.  .7 -81.  .7 -81.  .8 -80.  .4 -81.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .8 -80.  .9 -90.  .1 -85.  .4 -89.  .1 -84.  .9 -96.	1 IMPACT 3.445 4 AZA 65.2 56.5 1 46.5 2 47.9 1 46.5 2 53.6 1 68.6 3 61.5 3 7.7 2 38.2 2 9.7 2 38.3 4 45.5 5 51.4 5 59.3 6 68.6 6 777.6	ALT 1458-16187 73.24221 72.14668 69.06419 70.18081 71.90801 77.16887 77.496572 73.58481 70.92855 69.06419 65.75273 66.62203 68.99649 70.63142 73.02264 74.44766 76.88993 80.54300 80.54300 81.82596 81.82596 77.41841 77.41841	LAT -4.679 -3 8/A AZPHAZ .897 -93.4 .927 -90.2 .994 -85.6 .973 -85.2 .816 -90.3 .799 -95.7 .882 -94.8 .999 -85.6 .976 -82.2 .999 -85.6 .976 -82.2 .999 -80.9 .991 -80.9 .991 -80.9 .991 -95.7 .887 -99.2 .999 -80.9 .991 -80.9 .991 -80.9 .991 -80.9 .991 -80.9 .991 -80.9 .991 -80.9 .991 -80.9 .991 -80.9 .991 -80.9 .991 -80.9 .991 -90.3	LON 3.025 INCO 69.66 61.8 56.66 68.52 58.67 55.12 51.2 56.2 57.10 71.00 60.3 55.55	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 42.4 23.8 42.1 29.4 42.4 37.7 53.2 8.3 55.8 7.6 53.6 2.1 48.3 12.0 38.2 56.0 43.1 22.1 37.9 32.7 136.8 38.6 37.2 46.3 37.2 46.3 37.3 48.0 38.2 56.0 43.3 48.0 38.2 56.0	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 12.7 1 23.0 1 22.1 1 10.8 1 10.8 1 10.6 1 2.1 1 11.7 1 2.6 1 11.7 1 2.1 1 32.1 1 33.8 1 34.6 1 33.8 2 134.6 1 34.3 1 134.6 1 34.3 1 134.6 1 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0- 1 46.62444 1- 2 60.689376 2- 3 40.10216 3- 4 48.73503 4- 5 52.13604 5- 6 69.20470 6- 7 61.23520 7- 8 50.01087 8- 9 59.33083 9-10 45.12827 10-11 34.18494 12-13 37.87411 13-14 46.04585 14-15 60.63838 15-16 60.63838 15-16 60.63838 15-16 59.32412 16-17 59.1932 17-18 60.53638 18-19 22.57155 19-20 73.74185 21-22 73.74185 21-22 73.74185 21-22 73.74185 21-22
PROUTO DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1406.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.585 1565.58821  7 -18.282 -20.548 1638.57809  8 -18.265 -26.154 1584.85431  11 -8.310 -31.911 1406.47993  10 -13.096 -31.667 1499.55201  11 -8.310 -31.911 1406.47993  12 -4.629 -36.532 1465.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.5542 1475.56216  15 -3.720 -22.722 1518.40540  16 -3.302 -17.425 1592.39911  7 -7.530 -16.828 1604.57187  18 -12.686 -15.794 1648.64288  19 -18.435 -14.187 1733.66219  20 -25.338 -11.471 1880.77454  21 -24.732 -18.920 1760.91000  22 -24.463 -25.222 1695.1738.  23 -24.415 -30.980 1668.46317  24 -24.548 -36.531 1674.79413	AZS/C -18.0	SEC TI 68:  LZN AZSUI .88 -780 -806 -814 -817 -771 -7828 -803 -814 -813 -814 -827 -826 -811 -827 -826 -811 -851 -851 -851 -86.	1 IMPACT 1.445 4 65-5 5 65-5 5 47-9 7 46-5 7 46-5 7 46-5 7 46-5 7 46-5 7 46-5 7 46-5 7 46-5 7 7 7 7 6 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	73.2421 (72.14668 (74.05097 (74.1687 (74.14668 (74.1687 (74.1468 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1687 (74.1688 (74.1687 (	LAT -4.679 -3  8/A AZPHAZ -90.2  8/97 -90.4  1.927 -90.2  1.937 -85.2  1.937 -85.2  1.942 -84.2  1.876 -90.3  1.953 -90.2  1.981 -81.6  1.974 -80.9	LON 3.025 INCO 69.6 61.8 560.7 65.6 68.5 57.1 57.1 64.9 77.0 65.8 77.1 65.6 64.9 77.5 77.8 77.8 77.5 77.8 77.5 77.8 77.5 77.5	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 53.2 8.3 47.8 14.5 53.2 129.1 53.0 18.4 53.2 29.1 53.0 18.4 53.2 8.3 6.8 38.6 2.1 43.1 22.1 37.1 34.1 36.8 38.6 2.1 43.1 22.1 37.9 32.7 37.1 34.1 36.8 38.6 2.1 43.3 48.0 48.5 42.8 48.5 42.8 59.0 41.1 58.5 30.0	V V 2.064 - ALPHA 29.7 12.5 2 2.6 2 2.7 1 23.3 1 22.1 1 10.8 1 -0.0 1 2.1 1 1 1.7 1 33.8 1 33.5 2 2 7.1 1 34.6 1 34.3 1 33.5 2 7.1 1 -4.3 1 -15.4 1 -10.6 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0-1 46.62444 1-2 60.89376 2-3 40.19216 3-4 46.73503 4-5 52.13604 5-6 69.20470 6-7 61.23520 7-8 59.33083 9-10 45.12827 10-11 78.29379 11-12 34.16494 12-13 37.87411 13-14 46.04585 14-15 60.63838 15-16 29.32412 16-17 59.19332 17-18 80.33638 18-19 29.32412 16-17 59.19332 17-18 80.33638 18-19 29.32412 16-17 59.19332 17-18 80.33638 18-19 29.32412 16-17 59.19332 17-18 80.33638 18-19 29.32412 16-17 59.19332 17-18 80.33638 18-19 29.35155 19-20 55.2655 20-21 73.74185 21-22 53.06136 23-24
PHOTO DATA  PT LAT LON RANGE  1 -11.592 -18.564 1596.77467  2 -12.925 -26.788 1518.10028  3 -8.310 -31.911 1466.47993  4 -8.068 -27.241 1483.68204  5 -7.811 -22.290 1527.85844  6 -12.786 -21.985 1505.58821  7 -18.282 -20.548 1638.57809  8 -18.265 -26.154 1594.85431  9 -18.348 -31.370 1563.51952  10 -13.096 -31.667 1499.55261  11 -8.310 -31.911 1466.47993  12 -4.629 -36.532 1465.21947  13 -4.367 -32.096 1458.71375  14 -4.068 -27.542 1475.56216  5 -3.720 -22.722 1518.40540  16 -3.302 -17.425 1592.3991  17 -7.530 -16.828 1604.571187  18 -12.686 -15.794 1668.64288  19 -18.435 -14.187 1733.6621  20 -25.338 -11.471 1880.77454  21 -24.732 -18.920 1760.91003  22 -24.463 -52.222 1695.17378  23 -24.415 -30.980 1668.46318  24 -24.546 -36.531 1674.794.394	AZS/C -18.0 0 -33.5 1 -4.4 -55.8 -69.6 -50.4 -37.9 1: -23.1 -4.2 -6.6 -6.6 -19.5 3 -92.7 -91.0 -75.6 -60.3 1 -48.5 1 -48.5 1 -3.1 -17.4 1! -3.1 -15.5	SEC TI 683  AZSU  .88 -78.  .0 -80.  .6 -81.  .4 -81.  .7 -81.  .7 -81.  .8 -80.  .4 -81.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .7 -82.  .8 -80.  .9 -90.  .1 -85.  .4 -89.  .1 -84.  .9 -96.	1 IMPACT 3.445  4 AZA 2.1 56.5 5.5 6.5 6.5 7.4 6.5 7.3 7.6 68.6 7.7 7.3 7.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	ALT 1458-16187 73.24221 72.14668 69.06419 70.18081 71.90801 77.16887 77.496572 73.58481 70.92855 69.06419 65.75273 66.62203 68.99649 70.63142 73.02264 74.44766 76.88993 80.54300 80.54300 81.82596 81.82596 77.41841 77.41841	LAT -4.679 -3  B/A AZPHAZ .897 -93.4 .927 -90.2 .937 -85.2 .937 -85.2 .948 -95.2 .886 -94.8 .953 -90.2 .998 -81.6 .979 -85.2 .998 -81.6 .979 -80.3 .879 -90.3 .979 -80.3 .870 -79.2 .981 -81.6 .870 -79.2 .981 -81.6 .870 -79.2 .981 -81.6 .870 -79.2 .981 -81.6 .870 -79.2 .981 -81.6 .870 -79.2 .981 -81.6 .870 -79.2 .981 -81.6 .887 -90.3 .970 -90.3	LON 3.0 25 INCD 69.6 61.8 56.2 2 60.7 65.6 68.5 2 58.4 67.1 56.2 2 57.1 64.9 771.0 65.4 60.3 52.6 60.3 52.8 60.3 52.8	R 3193.617 PHAZ EMIS 39.1 33.2 47.6 22.1 53.2 8.3 47.8 14.5 53.2 29.1 42.4 27.7 53.2 29.1 47.8 31.8 53.0 18.4 53.2 29.1 18.3 12.0 37.1 34.1 37.9 32.7 36.8 38.6 38.6 2.1 48.3 12.0 38.2 56.0 38.2 56.0 48.5 42.8 53.8 40.5 53.8 40.5 53.8 40.5 58.5 30.0	V 2.064 - ALPHA 29.7 12.5 2 2.6 2 2.2.7 1 23.3 1 22.1 1 10.8 1 1 2.6 1 2.1 1 1 2.6 1 1 2.1 1 34.6 1 33.8 1 33.5 2 19.4 2 7.1 1 1 - 4.3 1 - 15.6 1 1 - 6.1 1 1 - 6.6 1 - 6.6 1 - 6.6 1	PTH AZ 72.690 116.677  SCALE PT-PT 0. 0- 1 46.62444 1- 2 60.689376 2- 3 40.10216 3- 4 48.73503 4- 5 52.13604 5- 6 69.20470 6- 7 61.23520 7- 8 50.01087 8- 9 59.33083 9-10 45.12827 10-11 34.18494 12-13 37.87411 13-14 46.04585 14-15 60.63838 15-16 60.63838 15-16 60.63838 15-16 59.32412 16-17 59.1932 17-18 60.53638 18-19 22.57155 19-20 73.74185 21-22 73.74185 21-22 73.74185 21-22 73.74185 21-22

					KM-VII	CAREKA	· FA								34
21	104/ 13 1	IR 14 MIN 30	SEC 474	мс		TAB NO	67	ATL	AS PHOTO	NO	67		POD S	SEQUENCE NO	140
JULY 31	1964 13 1	IK 14 MIN 30	350 414	H.2											
TRAJECT	ORY DATA				SEC TO 678.		ALT 1448.06970	LAT	104 -32	JN - 974	318	R 13.525	V 2.066	PTH -72.653 11	AZ 6.670
PHOTO (	ATA												• • • • • •		
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A *		AZPHAZ					SCALE	PT-PT
		1585.85742		6.8	-78.9 -80.2	65.0 56.4	72.75261		-93.4 -90.2				29.7	0. 244.33486	0- 1 1- 2
3 -8.3	.9 -20.722	1507.99831	-15.0	2.8		61.2	71.66659		-85.6		53.2		12.6	205.56186	2-3
		1473.75580	-55.9	4.7	-81.1	47.8	69.71120		-85.2		47.8		12.8	139.26896	3- 4
		1517.77637	-69.6	6.4	-81.8	37.7	71.43327		-84.8		42.4		23.1	147.78716	4- 5
		1555.31703	-50.4	8.8	-81.7	46.5	73.56515		-90.3		42.1		23.3	151.14911	5- 6
7 -18.24	1 -20.528	1627.77882	-37.9	12.0		53.5	76.66033		-95.7	68.5	42.4	37.6	22.2	168.07052	6- 7
8 -18 - 23	3 -26.097	1574.26587	-23.2	7.9	-79.7		74.46478		-95.2				10.9	160.21317	7- 8
		1552.84114	-4.4 -6.9	3.7	-77.2 -78.5	73.5 68.4	73.08204		-94.8 -90.2		53.2		0.1 2.2	158.22395	
11 -8-3	5 -31.819	1456.46962	-15.0	2.8	-80.3	61.2	68.59219		-85.6		53.2		2.7	144.14940	
12 -4.6	9 -36.409	1456.46962 1454.86227	93.8	1.3		71.2	65.26833				58.8		-7.5	177.02312	
13 -4.4	9 -32.004	1448.66005	-103.1	2.6	-82.2	52.2	66.16621	0.981	-81.6	55.7	53.6	2.2	2.1	133.23553	
		1465.58606		3.7		37.7	68.52974		-80.9		48.3		11.8	136.95614	
		1508.2/174	-91.3	4.7	-82.2		70.15950		-80.1		43.1		21.8	145.10252 159.59168	
		1581.82381 1594.04300		5.6 8.0	-81.8 -82.2	21.0 29.8	72.53687		-19.0 -84.2		37.9 37.1		32.1 33.8	128.48201	
		1637.88138		11.4	-83.2	38.3	76.38804		-90.3		36.8		34.6	158.16628	
		1722.25468	-48.5	16.1	-85.3	45.4	80.01326		-96.3		37.2		34.3	179.11151	18-19
20 -25.24	3 -11.524	1867.94777	-39.9	23.3	-89.4	51.4	85.68763				38.2		33.4	220.79108	
		1749.03029		17.1	-84.2	59.2	81.27382				43.3		19.5	203.75444	
		1683.62128		10.9	-80.3	67.8	78.53785				48.5		7.2 -4.2	172.60777	
23 -24 - 3.	3 -36 39	1656.83510	-3.3 11.4	4.7	-76.8 -73.2	77.4 87.6	76.87824 76.05614		-99.4		53.8 59.0		-15.2	151.96011	
25 -18.4		1559.47920	15.3	-0.5	-74.5	85.2	72.35900		-94.5				-10.5	181.16340	
26 -13.2		1496.21086	23.0	0.3	-76.6	82.3	69.78936		-90.2		58.3		-8.0	156.98375	
		1463.12479	43.3	0.9	-79.2	75.9	67.77419					11.2	-7.1	143.02521	
		1463.12479 1454.86227	43.3 93.8	1.3	-79.2 -81.8		67.77419 65.26833		-85.9 -82.2		58.8		-7.1 -7.5	143.02521 117.80033	
					-81.8	71.2	65.26833	0.916	-82.2	51.3	58.8		-7.5	117.80033	27-28
28 -4.6	79 -36.409		93.8	1.3	-81.8			0.916		51.3			-7.5		27-28
28 -4.6 JULY 31	1964 13	1454.86227	93.8	1.3	-81.8	71.2 TAB NO	65.26833 68	0.976 ATL	-82.2 <b>AS PHO</b> TO	51.3 NO	58.8	7.5	-7.5	117.80033	27-28
28 -4.6 JULY 31	79 -36.409	1454.86227	93.8	1.3	-81.8	71.2 TAB NO	65.26833	0.976 ATLA	-82.2 <b>AS PHO</b> TO	51.3 NO	58.8 <b>68</b>	7.5 R	-7.5 POD :	EEQUENCE NO	27-28 ) 142 AZ
JULY 31 TRAJEC PHOTO	79 -36.409 .1964 13 P TORY DATA	) 1454.86227 IR 14 MIN 35	93.8 SEC 594	1.3 MS	-81.8 SEC TO 673.	71.2 TAB NO IMPACT 205	65.26833 68 ALT 1437.9679	0.976 ATL/ LA1 9 -4.	-82.2 AS PHOTO T L 730 -32	51.3 NO UN .923	58.8 68	7.5 R 73.423	-7.5 POD :	117.80033 SEQUENCE NO PTH 1 -72.615 1	27-28 ) 142 AZ 16.664
28 -4.6  JULY 31  TRAJEC  PHOTO 6  PI LAT	79 -36.409 1964 13 P ORY DATA DATA LON	) 1454.86227 IR 14 MIN 35 RANGE	93.8 SEC 594	1.3 MS	-81.8 SEC TO 673.	71.2 TAB NO IMPACT 205	65.26833 68 ALT 1437.9679	0.976 ATLA LA1 9 -4.	-82.2 AS PHOTO  T L 730 -32 AZPHAZ	51.3 NO UN .923	58.8 68 317	7.5 R 73.423 EMIS	-7.5 POD 5	117.80033 SEQUENCE NO PTH -72.615 1	27-28 ) 142 AZ 16.664 PT-PT
28 -4.6  JULY 31  TRAJEC  PHOTO 6  PI LAT  1 -11.5	79 -36.409 1964 13 F TORY DATA DATA LON 74 -18.609	RANGE 1574-92819	93.8 SEC 594 AZS/C -18.3	1.3 MS	-81.8 SEC TO 673. AZSUN -79.0	71.2 TAB NO IMPACT 205 AZA 64.9	65.26833 68 ALT 1437.9679 A. 72.26218	0.976 ATLA  LA1 9 -4.	-82.2 AS PHOTO  T L 730 -32 AZPHAZ -93.4	51.3 NO UN .923 INCD 69.5	58.8 68 317 PHAZ 39.1	7.5 R 73.423 EMIS 33.1	-7.5 POD : 2.068 ALPHA 29.6	PTH -72.615 1.	27-28 ) 142 AZ 16.664 PT-PT 0- 1
28 -4.6  JULY 31  TRAJEC  PHOTO 6  PI LAT  1 -11.5 2 -12.9	79 -36.409 1964 13 F TORY DATA DATA LON 74 -18.609	RANGE 1574.92819 1497.87621	93.8 SEC 594 AZS/C -18.3 -33.7	1.3 MS AZN 6.8 6.0	-81.8 SEC TO 673. AZSUN -79.0 -80.2	71.2 TAB NO IMPACT 205 AZA 64.9 56.3	65.26833 68 ALT 1437.9679 A. 72.26218 71.18554	0.976 ATLA 9 -4.  8/A 0.897 0.926	-82.2 AS PHOTO  T L 730 -32 AZPHAZ	51.3 NO UN .923 INCD 69.5 61.9	58.8 68 317 PHAZ 39.1 47.6	7.5 R 73.423 EMIS 33.1 22.2	-7.5 POD : 2.068 ALPHA 29.6	117.80033 SEQUENCE NO PTH -72.615 1	27-28 ) 142 AZ 16.664 PT-PT 0-1 1-2
28 -4.6  JULY 31  TRAJEC  PHOTO 6  PI LAT  1 -11.5 2 -12.9	79 -36.40° 1964 13 F TORY DATA DATA LON 74 -18.60° 12 -26.666	RANGE 1574-92819	93.8 SEC 594 AZS/C -18.3	1.3 MS	-81.8 SEC TO 673. AZSUN -79.0	71.2 TAB NO IMPACT 205 AZA 64.9	65.26833 68 ALT 1437.9679 A. 72.26218	0.976 ATLA  LA1 9 -4.  8/A 0.897 0.926 0.998	-82.2  AS PHOTO  T L  730 -32  AZPHAZ  -93.4  -90.2	51.3 NO UN .923 INCD 69.5 61.9 56.3 60.9	58.8 68 317 PHAZ 39.1 47.6 53.2 47.8	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6	-7.5 POD : 2.068 ALPHA 29.6 12.7	PTH -72.615 1. SCALE 0. 242.08406 204.22575 138.34362	27-28 ) 142  AZ 16.664  PT-PT 0-1 1-2 2-3 3-4
28 -4.6 JULY 31 TRAJEC PHOTO 1 1 -11.5 2 -12.9 3 -8.3 4 -8.1 5 -7.8	79 -36.40° 1964 13 H TORY DATA DATA LON 74 -18.60° 12 -26.666 10 -31.72( 21 -27.11° 77 -22.23	RANGE 3 1574-92819 5 1497-87621 3 1466-44974 9 1463-81111 1 1507-66641	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4	-81.8 SEC TO 673. AZSUN -79.0 -80.2 -80.3 -81.1 -81.8	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 60.9 47.7 37.7	65.26833 68 ALT 1437.9679' A* 72.26218 71.18554 68.12094 69.24072 70.95724	0.976 ATLA 9 -4.  8/A 0.897 0.926 0.972 0.923	-82.2  AS PHOTO  T L  730 -32  AZPHAZ  -93.4  -90.2  -85.6  -85.2  -84.8	51.3 NO UN .923 INCD 69.5 61.9 60.9 65.6	58.8 68 317 PHAZ 39.1 47.6 53.2 47.8 42.4	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6 23.9	-7.5 POD S 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34364	27-28 ) 142  AZ 16.664  PT-PT 0-1 1-2 2-3 3-4 4-5
28 -4.6  JULY 31  TRAJEC  PHOTO 6  PT LAT 1 -11.5 2 -12.9 3 -8.3 4 -8.1 5 -7.8 6 -12.7	79 -36.403 1964 13 H TORY DATA  LON 14 -18.603 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721 1.721	RANGE 3 1574-92819 5 1497-87621 9 1463-81111 1 1507-66641 2 1554-01544	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -50.4	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.8	-81.8 5EC TO 673. AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 60.9 47.7 47.7 46.4	65.26833 68 ALT 1437.9679 A* 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790	U.976 ATL/ LA1 9 -4.  8/A U.897 0.926 0.998 0.998 0.923 0.875	-82.2  AS PHOTO  T L  730 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3	51.3 NO UN .923 INCD 69.5 61.9 56.3 60.9 65.6 66.8	58.8 68 317 PHAZ 39.1 47.6 53.2 47.8 42.4 42.1	7.5 R 73.423 EMIS 33.1 28.4 14.6 23.9 29.4	-7.5 POD S 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.4	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83454 150.15891	AZ 16.664 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
28 -4.6 JULY 31 TRAJEC PI LAT 1 -11.5 2 -12.9 3 -8.3 4 -8.1 5 -7.8 6 -12.7 7 -18.1	79 -36.40° 1964 13 H TORY DATA  LON 14 -18.60° 12 -26.66° 10 -31.72° 11 -27.11° 17 -22.23° 19 -20.50°	RANGE 8 1574-92819 5 1497-87621 3 1446-44974 1 1507-66641 2 1545-01544 1 1616-94624	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -50.4 -38.0	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.8 8.12-0	-81.8 673. AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 60.9 47.7 37.7 46.4 93.4	65.26833 68 ALT 1437.9679 A+ 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022	U.976 ATLA  LA1 9 -4 8/A U.897 0.926 0.998 0.972 0.923 0.875	-82.2  AS PHOTO  T L  730 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7	51.3 NO UN .923 INCD 69.5 61.9 56.3 60.9 65.6 66.8 68.5	58.8 68 317 PHAZ 39.1 47.6 53.2 47.8 42.4 42.1 42.4	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6 23.9 29.4 37.6	-7.5 POD : V 3 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.1 23.2	PTH 1-72.615 1. SCALE 0. 242.08406 264.22575 138.34362 146.83454 150.15891 166.93215	AZ 16.664 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7
28 -4.6  JULY 31  TRAJEC  PHOTO 6  PI LAT 1 -11.5 2 -12.9 3 -8.1 5 -7.8 6 -12.7 7 -18.1 8 -18.1	79 -36.401  ORY DATA  DATA  LON  14 -18.601  12 -26.666  0 -31.721  11 -27.11  77 -22.23  16 -21.53  19 -20.506  0 -36.04	RANGE B 1574-92819 5 1497-87621 9 1497-87621 9 1493-81111 1 1507-66641 1 1507-66641 2 1545-01544 9 1661-94624	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -50.4 -38.0 -23.3	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9	-81.8 673- AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 47.7 37.7 46.4 53.4 62.6	65.26833 68 ALT 1437.9679 A. 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283	U.976 ATL/  B/A U.897 0.926 0.972 0.923 0.875 0.799 0.854	-82.2  AS PHOTO  T L  730 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2	51.3 NO UN .923 INCD 69.5 61.9 56.3 60.9 65.6 68.5 63.3	58.8 68 317 PHAZ 39.1 47.6 53.2 47.8 42.4 42.1 42.4 47.8	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6 23.9 29.4 37.6 31.8	-7.5 POD 5 V 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.4 22.2 211.0	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83454 150.15891 166.93215	27-28 ) 142  AZ 16.664  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
28 -4.6 JULY 31 TRAJEC PHOTO 6 PT LAT 1 -11.5 2 -12.9 3 -8.3 4 -8.1 5 -7.8 6 -12.7 7 -18.1 8 -18.1 9 -18.2	1964 13 PORY DATA  DATA  LON 12 -26.666 0 -31.72 17 -22.23 19 -20.50 10 -26.06 0 -31.18 10 -31.18	RANGE 8 1547. 92819 6 1497. 87621 1 1406. 44974 1 1507. 66641 2 1545. 01544 1 1616. 94624 1 1563. 65596 1 1542. 15218	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -50.4 -38.0 -23.3	AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9	-81.8 SEC TD 673.  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -77.8	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 60.9 47.7 46.4 53.4 62.6 73.2	65.26833 68 ALT 1437.9679 A. 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283 72.57878	U.976 ATL/ LA1 9 -4.  8/A U.897 0.926 U.998 0.972 0.923 U.875 U.799 U.882	-82.2  AS PHOTO  I L  130 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8	51.3 NO .923 INCD 69.5 61.9 65.6 66.8 68.5 58.6	58.8 68 317 PHAZ 39.1 47.6 53.2 47.8 42.4 42.1 42.4 44.8 53.2	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6 23.9 29.4 37.6 31.8 29.0	-7.5 POD : V 3 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.1 23.2	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83454 150.15891 166.93215 159.18488 148.04719	27-28 ) 142  AZ 16.664  PT-PT 0-11 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9
28 -4.6  JULY 31  TRAJEC  PHOTO 6  PI LAT 1 -11.5 2 -12.9 3 -8.1 5 -7.8 6 -12.7 7 -18.1 8 -18.1	1964 13 FORY DATA  ORY DATA  ATA  LON  (4 -18.60)  (2 -26.66)  (5 -21.72)  (6 -21.53)  (6 -26.64)  (6 -31.18)  (6 -31.18)	RANGE B 1574-92819 5 1497-87621 9 1497-87621 9 1493-81111 1 1507-66641 1 1507-66641 2 1545-01544 9 1661-94624	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -50.4 -38.0 -23.3	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9	-81.8 SEC TD 673.  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -77.8	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 47.7 37.7 46.4 53.4 62.6	65.26833 68 ALT 1437.9679 A. 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283	U.976 ATL/  LAT 9 -4.  8/A U.897 0.926 U.998 0.972 0.923 U.875 U.799 U.854 U.882 0.953	-82.2  AS PHOTO  I L  130 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2	51.3 NO .923 INCD 69.5 61.9 56.3 60.9 66.8 68.5 63.3 58.6	58.8 68 317 PHAZ 39.1 47.6 53.2 47.8 42.4 42.1 42.4 47.8	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6 29.4 37.6 31.8 29.4	-7.5 POD : V 3 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.4 22.2 11.0 0.2	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 139.34362 146.83454 150.15891 166.93215 159.18488 148.04719 143.16940	27-28 ) 142  AZ 10-664  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
28 -4.6 JULY 31 TRAJEC PHOTO 1 1 -11.5 2 -12.9 3 -8.3 4 -8.1 5 -7.8 6 -12.7 7 -18.1 9 -18.2 10 -13.0 11 -8.3 12 -4.7	1964 13 ) ORY DATA  DATA  LON (4 -18.60: 0 -31.72: 11 -27.11: 77 -22.23: 76 -21.53: 99 -20.56: 90 -26.04: 60 -31.18: 60 -31.18: 10 -36.28:	RANGE 8 1574-92819 5 1497-87621 3 1446-44974 9 1663-81111 1 1507-66641 2 1545-01544 9 1616-94624 1 1563-65596 6 1479-15955 3 1446-44974 1 444-50630	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -38.0 -23.3 -4.6 -7.2 -15.9 93.4	AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9 3.8 3.2 2.8	-81.8 SEC TD 673.  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -77.3 -79.8 -77.3 -78.6 -80.3 -81.6	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 60.9 47.7 37.7 46.4 53.4 62.6 68.1 60.9	65.26833 68 ALT 1437.9679' A. 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283 69.96395 68.12094 64.78503	U.976 ATL/  LA1 9 -4.  8/A U.897 0.926 0.992 0.972 0.923 U.875 U.795 U.892 0.953 U.895	-82.2  AS PHOTO  I L 730 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8 -90.2 -85.6 -90.8	51.3 NO UN .923 INCD 69.5 61.9 66.8 66.8 68.5 57.3 56.3	58.8 68 317 PHAZ 39.1 47.6 53.2 47.8 42.4 44.8 53.2 53.2 53.2 53.2 53.2	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6 23.9 29.4 37.6 31.8 29.0 18.4	-7.5 POD \$ V 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.3 2.3	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0242.08406 204.22575 138.34362 146.83454 150.15891 166.9321b 159.18488 148.04719 157.11609 143.16340 175.78656	AZ 16.664 PT-PT 0-1 1-23 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12
28 -4.6  JULY 31  TRAJEC  PHOTO I 1 -11.5  2 -12.9  3 -4.3  4 -8.1.5  -7.8  6 -12.7  7 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4	1964 13 19 1964 13 19 1964 13 19 1964 13 19 1964 14 18.60 12 - 26.666 10 - 31.72 16 - 22.23 16 - 22.23 16 - 22.50 16 - 23.16 18 - 20.50 18 - 20.50 18 - 31.48 18 - 31.48 19 - 31.48 19 - 31.48 11 - 31.48 11 - 31.48 11 - 31.48	RANGE 3 1547. 92819 6 1497. 876.21 8 1497. 876.21 9 1496. 81111 1 1507. 66641 2 1545. 1546. 45974 9 1616. 94624 1 1563. 65596 1 1592. 15218 1 1479. 15955 3 1446. 44974 7 1444. 506.30	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -50.4 -38.0 -2.2 -15.5 93.4 -101.0	AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9 3.8 3.2 2.8 1.4	-81.8  SEC TD 673.  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -77.8 -77.3 -77.3 -81.8 -81.8	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 60.9 73.7 46.4 62.6 73.2 68.1 60.9 70.6 52.1	65.26833 68 ALT 1437.9679 A. 72.26218 71.18554 69.24072 70.95724 73.07790 76.15022 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013	U.976 ATL/ LA1 9 -4.  8/A U.897 0.926 0.972 0.923 0.975 0.799 U.854 0.953 0.998 0.976 0.998	-82.2  AS PHOTO  T L 730 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.3 -95.7 -95.2 -94.8 -90.3	51.3 NO UN.923 INCD 66.9 66.8 68.5 63.3 56.3 56.3 55.8	58-8 68 317 PHAZ 39-16 53-2 47-8 42-4 47-8 53-2 53-0 53-2 58-8 53-6	7.5 R 73.423 EMIS 33.12 8.4 14.6 23.9 31.8 29.0 18.4 8.4 7.4	-7.5 POD \$  V 3 2.066 ALPHA 29.6 12.7 2.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.8 -7.4 2.2	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83454 150.15891 166.9321b 159.18488 148.04719 157.11609 143.16940 175.78656	27-28 ) 142  AZ 10.664  PY-PY 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13
28 -4.6  JULY 31  TRAJEC  PHOTO 6  PI LAT  1 -11.5  2 -12.9  3 -8.3  4 -8.1  5 -7.8  6 -12.7  7 -18.1  8 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4	1964 13 ) ORY DATA  DATA  LON 14 -18.60; 17 -22.23; 16 -21.53; 19 -20.50; 10 -31.18; 11 -31.48; 10 -31.18; 11 -31.48; 11 -31.41; 10 -36.28; 11 -31.91; 11 -31.91;	RANGE 8 1574.92819 1 1497.87621 3 1440.44974 9 1463.81111 1 1507.66641 2 1545.01544 1 1563.65596 6 1542.15218 4 1479.1595 8 1446.44974 7 1444.50630 8 1438.59824 9 1455.5931	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -70.4 -38.0 -7.2 -15.5 93.4 -101.0	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9 3.8 3.2 2.8 1.4 2.8	-81.8 -673.  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -78.6 -80.3 -81.8 -82.3	71.2 TAB NO IMPACT 205 AZA 64.9 56.3 60.9 47.7 46.4 53.4 63.2 68.1 60.9 70.6 52.1 37.7	65.26833 68 ALT 1437.9679' A. 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013 65.71013 65.06221	U.976 ATLA  LA 9 -4.  8/A U.897 0.926 0.972 0.923 0.875 0.799 U.854 U.882 0.953 0.998 0.976 0.998	-82.2  AS PHOTO  I L  730 -32  AZPHA  -90.2  -85.6  -85.2  -94.8  -90.2  -94.8  -90.2  -81.6  -82.2  -81.6	51.3 NO UN.923 INCD 69.5 60.9 65.6 66.8 68.5 63.3 58.6 57.3 56.3 51.5 55.8	58.8 68 317 PHAZ 39.1 53.2 47.8 42.4 44.8 53.2 53.2 53.2 53.2 53.2 64.8	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6 23.9 27.6 31.8 29.0 18.4 7.4 2.3 12.1	-7.5 POD S V 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.8 -7.4 2.2 11.9	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83454 150.15891 166.93215 159.18488 148.04719 157.11609 143.16940 175.78656 132.28673 136.03618	AZ 16.664 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
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28 -4.6  JULY 31  TRAJEC  PHOTO 6  PI LAT  1 -11.5  2 -12.9  3 -8.3  4 -8.1  5 -7.8  6 -12.7  7 -18.1  8 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4	79 -36.40°  1964 13 i)  ORY DATA  LON  14 -18.60°  12 -26.66°  10 -31.72°  17 -22.23°  18 -20.50°  10 -31.18°  10 -31.18°  10 -31.18°  11 -31.48°  10 -31.28°  11 -31.48°  12 -2.66°  13 -31.48°  14 -27.41°  14 -27.41°  19 -22.66°  17 -41.74°  19 -22.66°  17 -41.74°  19 -22.66°  17 -41.74°  19 -22.66°  17 -41°	RANGE 8 1574.92819 1 1497.87621 9 1497.87621 9 1496.81111 1 1507.66641 2 1545.01544 1 1563.65596 1 1562.6528 1 1479.15995 9 1446.45030 1 1446.59824 1 1593.55935 1 1498.1323 1 1455.59315 1 1498.11223 2 1571.21182	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -70.4 -38.0 -7.2 -15.5 93.4 -101.0	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9 3.8 3.2 2.8 1.4 2.8	-81.8 SEC TO 673.  AZSUN -79.0 -80.2 -80.3 -81.8 -81.7 -82.3 -79.8 -80.1 -81.8 -72.8 -82.1 -82.3 -82.2	71.2 TAB NO IMPACT 205  AZA 64.9 56.3 60.9 47.7 46.4 53.4 62.6 63.2 60.9 70.6 63.7 28.2 21.2	65.26833 68 ALT 1437.9679' A. 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013 65.71013 65.06221	U.976 ATLA  LAT  9 -4  8/A U.897 0.926 U.998 0.973 U.854 U.854 U.855 U.993 U.976 0.993 U.976 0.993	-82.2  AS PHOTO  T 1, 2  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -84.8 -90.3 -95.7 -95.2 -81.6 -82.2 -81.6 -80.0 -79.0	51.3 NO UN.923 INCD 561.9 56.3 60.9 66.8 68.5 57.3 56.3 55.8 60.2 65.0 70.2	58-8 68 317 PHAZ 39-1 47-6 53-8 42-4 47-8 53-2 53-2 53-2 53-8 48-3 43-1 37-9	7.5 R 73.423 EMIS 33.1 22.2 8.46 23.9 29.6 31.8 31.8 31	-7.5 POD S  V 2.068 ALPHA 29.6 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.8 -7.4 2.1 21.8 32.1	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.93215 159.18488 148.04719 157.11609 143.1694 143.1694 143.1694 132.28673 136.03618 144.15476 158.53749	AZ 10.664 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
28 -4.6  JULY 31  TRAJEC  PHOTO 19  PI LAT 1 -11.5 2 -12.9 3 -8.3 4 -8.1 5 -7.8 8 -18.1 9 -18.2 10 -13.0 11 -8.3 12 -4.7 13 -4.4 15 -3.8	79 -36.40°  1964 13 1)  ORY DATA  LON  14 -18.60°  17 -22.23°  16 -21.53°  19 -20.50°  10 -31.18°  10 -31.48°  10 -31.48°  10 -31.48°  11 -31.48°  12 -22.66°  13 -31.48°  14 -27.41°  15 -22.66°  16 -17.43°  18 -16.83°  18	RANGE 8 1574.92819 6 1497.87621 1 1407.87621 1 1406.44474 1 1507.66641 2 1545.01544 1 1507.66641 2 1545.01544 1 1507.66641 2 1545.01544 1 1407.15915 1 1446.44974 7 1444.50630 8 1438.59824 9 1446.4974 9 1455.59315 9 1498.11223 2 1571.211223 2 1571.2123	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -50.9 -38.0 -23.3 -4.6 -7.2 -101.0 -93.4 -101.0 -92.1 -91.2 -90.8	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.1 2.0 7.9 3.2 2.8 1.4 4.3 7.4 8.5 1.4 6.3 7.4 8.6 8.6 8.6 8.6 8.6 8.6 8.6 8.6 8.6 8.6	-81.8 SEC TO 673.  AZSUN -79.0 -80.2 -80.3 -81.8 -81.7 -82.3 -79.8 -80.1 -81.8 -72.8 -82.1 -82.3 -82.2	71.2 TAB NO IMPACT 205  AZA 64.9 56.3 60.9 47.7 46.4 62.6 68.1 60.6 52.1 37.7 28.2 21.9	65.26833 68 ALT 1437.9679' A* 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013 68.06221 69.68640 72.04946	U.976 ATLA  LAA 9 -4.  8/A 0.9926 0.972 0.925 0.975 0.799 0.854 0.976 0.981 0.998 0.976 0.981 0.998	-82.2  AS PHOTO  T 1,2  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -84.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2	51.3 NO UN .923 INCD 69.5 61.9 56.6 60.9 65.6 68.5 57.3 56.3 55.8 60.2 65.0 70.2 71.0	58-8 68 317 PHAZ 39-1 47-6 53-2 47-8 42-4 44-8 53-2 53-8 53-6 48-3 43-1 37-9 37-1 36-8	7.5 R 73.423 EMIS 33.1 22.2 8.4 14.6 23.9 27.6 31.8 29.0 18.4 2.3 12.1 23.7 34.1 38.6	-7.5 POD :  V 2.068 ALPHA 29.6 12.7 2.8 12.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.8 -7.4 2.2 11.9 21.8 32.1 33.8	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.345454 150.15891 166.93212 159.18488 148.04719 157.116090 175.78656 132.28673 136.03618 144.15476 158.53749 127.53669	27-28 ) 142  AZ 16.664  PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
28 -4.6  JULY 31  TRAJEC  PHOTO 4  PHOTO 4  1 -11.5  2 -12.9  3 -4.3  4 -8.1  5 -7.8  6 -12.7  7 -18.1  8 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4  14 -4.1  15 -3.8  16 -3.4  17 -7.5  18 -12.6	1964 13 ) ORY DATA  ORY DATA  LON (4 -18.60) -31.72( 11 -27.11) -77 -22.23 -76 -21.53 -99 -20.50 -31.18( -31.48( -31.1	RANGE 8 1574-92819 5 1497-87621 1460-44974 9 1463-81111 1507-66641 2 1545-01544 1 1563-65596 5 1542-15218 4 1479-1595 3 1446-44974 4 1479-1595 5 1444-50630 8 1438-59824 9 1565-9171-21182 9 1583-47475 5 1627-07666	93.8 SEC 594 AZS/C -18.3 -33.7 -55.9 -69.5 -50.4 -38.0 -7.2 -15.5 93.4 -101.0 -91.2 -90.8 -75.5 -60.3 -44.5	1-3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9 3.8 3.2 2.8 1.4 2.6 8.1 1.4 2.6 8.1	-81.8 SEC TO 673.  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -77.3 -81.8 -82.1 -82.3 -82.2 -81.7 -82.3	71.2  TAB NO  IMPACT 205  AZA 64.9 56.3 47.7 46.4 52.6 73.6 73.6 60.9 70.6 52.1 37.7 28.2 21.2 21.2 38.3	65.26833 68 ALT 1437.9679' A. 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283 72.57878 69.96395 64.78503 65.71013 66.06221 66.06640 72.04946 73.46808 75.88413 79.48128	U.976 ATL/ LAA 9 -4. 8/A 0.875 0.972 0.972 0.973 0.875 0.779 0.875 0.973 0.973 0.973 0.973 0.975 0.973 0.975 0.877 0.877	-82.2  AS PHOTO  T L  730 -32  -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8 -90.3 -95.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3	51.3 NO .923 INCD 69.5 61.9 66.9 65.6 66.8 57.3 56.3 55.8 60.2 65.0 71.0 72.4	58-8 68 31 PHAZ 39-1 53-2 47-8 42-4 42-1 42-4 42-8 53-0 53-0 53-8 53-8 53-8 53-8 53-8 53-8 53-8 53-8	7.5 R 73.423 EMIS 122.8 14.6 22.4 14.6 23.4 12.1 23.7 34.6 34.6 34	-7.5 POD 3 V 2.06E ALPHA 29.6 12.7 2.8 12.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.8 -7.4 2.2 11.9 31.8 32.1 33.8 34.6	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83454 150.15891 166.9321b 159.18488 148.04719 157.11609 143.16940 143.16940 143.16940 144.15476 132.28673 136.03618 144.15476 158.53749 127.53669 157.13439 177.88059	AZ 10.664 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
28 -4.6  JULY 31  TRAJEC  PHOTO 17  1 -11.5  2 -12.9  3 -8.3  4 -8.1  5 -7.8  6 -12.7  7 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4  14 -4.1  15 -3.8  16 -3.4  17 -7.5  18 -12.6  19 -18.3  20 -25.1	1964 13 19 ORY UATA  ATA  LON 14 - 18.60 12 - 26.66 10 - 31.72 11 - 27.11 17 - 22.23 16 - 21.53 10 - 26.04 10 - 31.18 11 - 31.48 10 - 31.28 11 - 31.38 11	RANGE 3 1574.92819 6 1497.876.21 1 1497.876.21 1 1496.44974 1 1597.66641 2 1596.50596 1 1616.94624 1 1563.65596 1 1592.15218 1 479.1595 2 1596.15218 1 479.1595 2 1596.15218 1 1498.1223 2 1591.21182 9 1583.47475 1 1627.07666 5 1710.79900 1 1855.06760	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -7.2 -101.0	1.3 MS AZN 6.8 6.0 2.8 4.7 6.4 8.8 12.0 7.9 3.8 2.2 2.8 1.4 2.6 3.7 4.8 5.6 8.1 11.4 23.2	-81.8 SEC TO 673.  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -81.8 -82.7 -82.2 -85.3 -89.4	71.2  TAB NO  IMPACT 205  AZA 64.9 56.3 60.9 47.7 46.4 53.4 60.9 70.6 68.1 37.7 22.1 22.2 21.2 23.3 45.4	65.26833 68 ALT 1437.9679' A* 72.26218 71.18554 68.12094 69.24072 73.97283 74.95724 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013 66.06221 69.68640 73.46808 73.46808 75.88413 79.48128 85.09704	U-976 ATL/  LA1 9 -4- 8/A U-897 0-926 0-972 0-923 0-923 0-923 0-972 0-923 0-975 0-998 0-976 0-981 0-998 0-976 0-981 0-993 0-945 0-870 0-870 0-870 0-871	-82.2  AS PHOTO  T 12  730 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -90.3 -95.7 -95.2 -94.8 -90.2 -86.6 -82.2 -81.6 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9	51.3 NO .923 INCD 69.5 61.9 66.6 68.5 66.6 68.5 57.3 55.8 60.2 65.0 70.2 77.2 77.7	58.8 68 31.7 99.1 47.6 47.6 42.4 42.4 42.4 42.4 42.8 53.2 53.6 53.2 53.6 43.1 37.9 37.2 37.2 38.1	7.5 R R33.423 33.1 22.2 8.4 14.6 29.0 18.4 7.4 2.3 29.0 18.4 7.4 2.3 32.7 32.7 38.6 45.9	-7.5 POD \$  V 3 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 3.8 32.1 33.8 34.6 34.3	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 139.34362 146.83454 150.15891 166.93212 169.04719 157.11609 143.16940 175.78656 132.28673 136.03618 144.15476 158.53749 127.63669 157.13439 177.88059	27-28 ) 142  A2 16.664 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
28 -4.6  JULY 31  TRAJEC  PHOTO 4  PHOTO 4  1 -11.5  2 -12.9  3 -6.3  4 -8.1  5 -7.8  6 -12.7  7 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4  14 -4.1  15 -3.8  16 -3.4  17 -7.5  18 -12.6  19 -18.2  20 -25.1  21 -25.1	1964 13 ) ORY DATA  DATA  LON 14 -18.60: -26.66.60: -31.72: -27.11: -27.11: -31.91: -31.18: -3	RANGE 8 1574.92819 1497.87621 3 1497.87621 3 1446.44974 9 1463.81111 1507.66641 2 1545.01544 1 1616.94624 1 1563.65596 4 1479.15955 3 1438.59824 9 1583.47475 1 1444.50630 1 1452.531 1 1452.531 1 1452.531 1 1452.631 1 1571.211 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -50.4 -38.0 -23.3 -4.6 -7.2 -15.5 93.4 -101.0 -92.1 -91.2 -90.8 -75.5 -50.3 -40.6 -70.3 -70	1.3 MS 6.8 6.0 2.8 6.0 2.8 12.0 7.9 3.2 2.8 1.4 2.6 8.1 11.4 2.6 8.1 11.4 2.7 4.8 10.0 2.3 11.4 2.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	-61.8  SEC TD 673  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -77.3 -81.8 -82.1 -82.2 -83.2 -84.2 -84.2	71.2  TAB NO  IMPACT 205  AZA 64.9 56.3 47.7 46.4 52.6 73.7 46.4 52.6 73.2 29.9 38.3 45.4 51.3	65.26833 68 ALT 1437.9679' A. 72.26218 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013 68.06221 69.68640 72.04946 73.46808 75.88413 79.48128 85.09704 85.09704 80.72203	U.976 ATL/  LA1 9 -4.  8/A 0.897 0.9926 0.9926 0.972 0.975 0.7799 0.875 0.799 0.875 0.799 0.876 0.981 0.984 0.984 0.984 0.981 0.984 0.976 0.870 0.871 0.711 0.582	-82.2  AS PHOTO  T T T 730 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -90.3	51.3 NO UN.923 1NCD 69.5 66.9 66.9 66.9 66.8 66.8 56.6 63.3 56.3 56.3 56.3 56.3 71.0 71.0 71.0 71.0 71.0	58.8 68 31.7 39.1 47.8 42.1 47.8 47	7.5 R R3.423 33.1 29.0 40.1 8.4 123.9 29.4 8.4 7.4 31.8 8.4 7.4 31.8 12.1 22.2 34.1 45.9 55.8	-7.5 POD 5 V 2.066 2.066 12.7 2.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.8 -7.4 21.9 21.8 32.1 33.8 32.4	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83454 150.15891 166.9321b 199.18488 148.04719 157.11609 143.28673 130.03618 144.15476 132.28673 136.03618 144.15476 157.13439 177.88059 217.03669 157.13439 217.03669 217.03669 219.00433 202.26875	27-28 ) 142  AZ 16.664 PT-PT 0- 1 12-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21
28 -4.6  JULY 31  TRAJEC  PHOTO 17  1 -11.5  2 -12.9  3 -8.3  4 -8.1  5 -7.8  6 -12.7  7 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4  14 -4.1  15 -3.8  16 -3.4  17 -7.5  18 -12.2  20 -25.1  21 -24.5  22 -24.5	1964 13 19 ORY UATA  LON 14 - 18.60 12 - 26.66 10 - 31.72 11 - 27.11 17 - 22.23 169 - 20.50 160 - 31.18 11 - 31.48 11 - 31.48 11 - 31.48 11 - 31.48 11 - 31.48 11 - 31.48 11 - 31.48 11 - 31.81	RANGE 3 1574.92819 6 1497.876.21 8 14 MIN 35  RANGE 3 1574.92819 6 1497.876.21 8 1446.44974 9 1616.946.24 1 1563.65596 1 1542.15218 1 446.44974 1 1444.506.30 1 1498.11223 2 1571.21182 9 1583.47475 1 1498.11223 0 1593.47475 0 1855.06760 0 1737.11491 1 1672.04729	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -38.0 -7.2 -101.0 -92.1 -90.8 -7.5 -60.3 -60.3 -7.5 -7	1.3 AZN 6.8 6.0 2.8 4.6 6.0 7.9 3.2 2.8 4.6 4.6 4.6 5.6 6.8 8.8 1.4 4.6 6.8 1.4 4.6 6.8 1.4 4.6 6.8 1.4 4.6 6.8 1.4 4.6 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	-81.8 SEC TD 673.  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -79.8 -77.3 -88.6 -80.3 -81.8 -82.2 -80.3 -82.2 -83.2 -84.2 -84.2	71.2  TAB NO  IMPACT  205  AZA 64.9 56.3 60.9 47.7 46.4 62.6 68.1 60.9 70.6 52.1 37.7 229.3 45.3 59.1	65.26833 68 ALT 1437.9679' A* 72.26218 71.18554 68.12094 69.24072 70.95724 73.07790 76.15022 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013 68.06221 69.6864 73.46808 75.48413 79.48128 85.0974 80.72003 77.99758	U-976 ATL/  8-A U-897 0-926 0-992 0-972 0-923 0-875 0-759 0-973 0-975 0-973 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976 0-976	-82.2 AS PHOTO  T 12 730 -32  AZPHAZ -93.4 -90.2 -85.6 -80.3 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9	51.3 NO UN .923 1NCD 661.9 65.6 69.5 65.6 68.5 63.3 55.8 66.8 57.3 55.8 65.0 70.2 77.4 477.7 71.0	58.8 68 31 PHAZ 47.6 53.2 47.6 42.4 47.8 53.2 53.2 53.6 43.1 37.9 36.8 37.1 36.8 37.1 36.8 33.6 43.1	7.5 R 73.423 22.2 8.46 123.9 27.6 31.8 29.4 8.4 2.3 122.2 38.6 47.9 55.8 47.9	-7.5 POD : V 3 2.068 ALPHA 29.6 12.7 2.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.8 -7.4 2.2 11.9 21.8 32.1 33.2 13.3 33.4 2.8 34.6 34.6 34.3 33.3 33.4 27.7 33.8 34.6 34.6 34.7 7.7 7.7	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 139.34362 146.83454 150.15891 166.93212 149.04719 157.11609 143.16940 175.78656 132.28673 136.03618 144.15476 136.3349 127.63669 157.13439 177.88059 219.00433 202.26873	27-28 ) 142  AZ 16.664  PY-PY 0-1 1-2 2-3 3-4 5-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22
28 -4.6  JULY 31  TRAJEC  PHOTO 4  PHOTO 4  1 -11.5  2 -12.9  3 -6.3  4 -8.1  5 -7.8  6 -12.7  7 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4  14 -4.1  15 -3.8  16 -3.4  17 -7.5  18 -12.6  19 -18.2  20 -25.1  21 -25.1	1964 13 19 ORY DATA  ATA  LON 14 -18.602 12 -26.666 10 -31.72 11 -27.11 19 -20.50 10 -31.18 10 -31.18 10 -31.18 10 -31.18 11 -31.48 10 -31.72 11 -31.91	RANGE 8 1574.92819 1497.87621 3 1497.87621 3 1446.44974 9 1463.81111 1507.66641 2 1545.01544 1 1616.94624 1 1563.65596 4 1479.15955 3 1438.59824 9 1583.47475 1 1444.50630 1 1452.531 1 1452.531 1 1452.531 1 1452.631 1 1571.211 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -50.4 -38.0 -23.3 -4.6 -7.2 -15.5 93.4 -101.0 -92.1 -91.2 -90.8 -75.5 -50.3 -40.6 -70.3 -70	1.3 AZN 6.8 6.0 6.2 4.7 6.4 8.8 8.1 12.0 7.9 9.8 1.4 2.6 8.1 11.0 2.8 8.1 11.0 2.8 11.0 2.8 11.0 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	-61.8  SEC TD 673  AZSUN -79.0 -80.2 -80.3 -81.1 -81.8 -81.7 -82.3 -77.3 -81.8 -82.1 -82.2 -83.2 -84.2 -84.2	71.2  TAB NO  IMPACT 205  AZA 64.9 56.9 47.7 46.4 52.6 73.2 70.6 52.1 28.2 29.9 345.4 51.3 57.7 77.7	65.26833 68 ALT 1437.9679' A* 72.26218 71.18554 68.12094 69.24072 70.95724 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013 68.06221 69.68403 72.04946 73.46808 75.88413 79.48128 85.09704 80.72003 77.99758 76.33774 87.53383	U-976 ATL/  8/A U-897 C-972 O-923 U-854 U-854 U-862 O-978 U-976 U-983 U-976 U-978 U-780 U-780 U-780	-82.2  AS PHOTO  T 12  730 -32  AZPHAZ -93.4 -90.2 -85.6 -80.9 -90.3 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9	51.3 NO UN .923 1NCD 69.5 61.9 65.6 68.5 63.3 55.8 66.8 57.3 55.8 65.7 71.0 72.4 477.7 71.6 60.6 60.6	58.8 68 317 PHAZ 47.6 53.2 42.4 42.4 42.4 47.8 53.6 53.6 53.6 37.1 37.1 36.8 337.1 36.8 337.1 36.8 37.1 37.1 36.8 37.1 37.1 36.8 37.1 37.1 36.8 37.1 37.1 36.8 37.1 3	7.5 R 73.423 22.2 8.64 123.9 37.6 29.4 7.4 2.3 11.8 8.4 7.4 2.3 122.2 34.1 38.6 42.7 40.8 40.8	-7.5 POD :  V 2.068 AL PHA 29.6 12.7 12.8 12.8 23.1 23.4 22.2 11.0 0.2 2.3 2.8 32.4 19.3 33.8 33.8 33.8 17.3 33.8	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83454 150.15891 166.9321b 159.18488 148.04719 157.11609 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 143.1694 157.16669	27-28 ) 142  AZ 16.664  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 22-22 22-23 23-24
28 -4.6  JULY 31  TRAJEC  PHOTO 19  PI LAT  1 -11.5  2 -12.9  3 -8.3  4 -8.1  5 -7.8  6 -12.7  7 -18.1  9 -18.2  10 -13.0  11 -8.3  12 -4.7  13 -4.4  14 -4.1  15 -3.8  16 -3.4  17 -7.5  18 -12.6  19 -18.3  20 -25.1  21 -24.5  22 -24.2	1964 13 19 1964 13 19 1964 13 19 1964 13 19 1964 14 18.60 10 14 18 18 18 18 18 18 18 18 18 18 18 18 18	RANGE 8 1574.92819 1 1497.87621 3 1497.87621 3 1496.44974 9 1493.81111 1 1507.66641 2 1545.01544 9 1616.94624 1 1563.65596 1 1592.15218 1 479.1595 3 1438.59824 9 1583.47475 9 1455.535 1 1498.11223 2 1571.211223 2 1571.2116 1 1571.2176 9 1583.47476 1 1672.04729 9 1855.06760 9 1855.06760 9 1855.06760 9 1855.06760 9 1855.06760 9 1855.06760 9 1855.06760	93.8 SEC 594 AZS/C -18.3 -33.7 -15.5 -55.9 -69.5 -7.2 -101.0 -92.1 -90.8 -75.5 -60.3 -40.6 -7.2 -101.0 -92.1 -90.8 -75.5 -60.3 -40.6 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -101.0 -7.2 -7.3 -7.2 -7.3 -7.	1.3 AZN 6.8 6.0 2.8 4.6 6.0 7.9 3.2 2.8 4.6 4.6 4.6 5.6 6.8 8.8 1.4 4.6 6.8 1.4 4.6 6.8 1.4 4.6 6.8 1.4 4.6 6.8 1.4 4.6 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 6.8 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	-61.8  SEC TD 673  AZSUN -79.0 -80.3 -81.1 -81.8 -81.7 -82.3 -79.8 -77.8 -81.3 -79.8 -82.1 -82.2 -83.2 -83.2 -89.4 -84.2 -80.3	71.2  TAB NO  IMPACT  205  AZA 64.9 56.9 47.7 46.4 62.6 73.2 68.1 60.6 52.1 28.2 29.9 38.3 45.4 51.3 67.7 87.4 84.4	65.26833 68 ALT 1437.9679' A. 72.26218 71.18554 68.12094 69.24072 73.97790 76.15022 73.96283 72.57878 69.96395 68.12094 64.78503 65.71013 68.06221 69.68640 72.04946 73.46808 74.98788 75.98788 76.33774 77.99758 76.333774 76.333774 76.333774 77.5038836	U-976  ATL/  B/A 0-97- 0-926 0-972 0-972 0-973 0-975 0-993 0-975 0-993 0-975 0-987 0-971 0-582 0-780 0-780 0-780 0-780 0-780 0-780	-82.2  AS PHOTO  T T 730 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -84.8 -90.3 -95.7 -95.2 -84.8 -90.3 -95.7 -95.2 -94.8 -90.2 -81.6 -86.9 -80.0 -79.0 -84.2 -90.3 -102.3 -102.3 -100.2 -99.4 -98.7	51.3 NO INC 923 INC 0 69.5 61.9 65.6 68.5 66.8 68.5 66.8 68.5 67.3 58.6 60.2 67.2 71.0 65.4 65.4 65.5 65.4	58.8 68 31.7 PHAZ. 47.8 42.4 42.4 42.4 42.4 42.1 42.3 53.2 53.2 58.8 48.3 48.3 48.3 48.3 59.0 59.0	7.5 R R3.423 22.2 4 14.6 23.4 14.6 23.7 18.4 17.4 12.1 232.7 14.1 14.1 232.7 14.1 45.8 45.8 47.9 40.8 40.8	-7.5 POD \$  V 3 2.066 ALPHA 29.6 6 12.7 2.8 12.8 8 12.8 8 22.2 2.11.0 2.2 2.2 2.3 2.8 8 2.8 1.2 8 3.3 3.4 6 34.3 33.4 5 7.3 34.6 1 7.3 4-11-15.0	117.80033 SEQUENCE NO PTH 1-72.615 1. SCALE 0. 242.08406 204.22575 138.34362 146.83215 159.18488 148.04719 157.11609 143.16940 175.78656 132.28673 136.03618 144.15476 132.28673 136.03618 144.15476 152.63689 157.13439 157.13439 157.13439 157.13439 157.13439 157.13439 157.146589 159.146589	27-28 ) 142  AZ 16.664  PY-PY 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 110-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-22 23-23 23-24 24-25

JULY 31,1964 13 HR 14 MIN 40	SEC 714 MS		TAB NO	69	ATL	AS PHOTO	NO	69	POD	SEQUENCE NO 144
TRAJECTORY DATA			IMPACT	ALT 1427.8570	LA 3 -4.		JN - 872	K 3163.31	V 2 2-071	PTH AZ :-72.577 116.657
PHOTU DATA										
PT LAT LON RANGE 1 -11.565 -18.622 1563.98732		N AZSUN		A+	8/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE PT-P1
2 -12.906 -26.607 1487.74197				71.77120			69.5	39.1 33.1		0. 0-1
3 -8.385 -31.637 1436.42175				70.70392 67.64870				47.5 22.2		239.83654 1- 2
4 -8.147 -27.059 1453.85547				68.76972		-85.6 -85.2		53.2 8.5 47.8 14.7		202.88755 2-3
5 -7.894 -22.202 1497.54314				70.48058		-84.8		42.4 23.9		137.41733 3- 4 145.88019 4- 5
6 -12.7/1 -21.506 1534.69917	-50.5 8.			72.58994		-90.3	66-8	42.1 29.4	23.4	145.88019 4- 5 149.16706 5- 6
7 -18.156 -20.490 1606.09850	-38.1 12.	0 -82.3	53.3	75.63938		-95.7	68.5	42.4 37.6	22.2	165.79251 6- 7
8 -18.138 -25.985 1553.03362	-23.5 7.			73.46029		-95.3	63.4	47.8 31.8	11.0	158.15456 7- 8
9 -18.215 -31.095 1531.45435 10 -13.073 -31.393 1468.94872				72.07510		-94.8		53.2 29.0		147.06282 8- 9
10 -13.073 -31.393 1468.94872 11 -8.385 -31.637 1436.42175				69.48098				53.0 18.4		156.00766 9-10
12 -4.781 -36.165 1434.14742				67.64870				53.2 8.5		142.18826 10-11
13 -4.522 -31.822 1428.52980				64.30226 65.25393		-82.2 -81.6		58.8 7.3		174.55005 11-12
14 -4.227 -27.358 1445.59084				67.59425				53.6 2.4 48.3 12.2		131.33817 12-13 135.11539 13-14
15 -3.884 -22.630 1487.94109	-91.0 4.			69.21277				43.1 22.2		143.20550 14-15
16 -3.473 -17.437 1560.58664	-90.7 5.			71.56145				37.9 32.7		157.48157 15-16
17 -7.618 -16.845 1572.89133	-75.5 8.	1 -82.2	29.9	72.97668	0.847	-84.2	71.0	37.1 34.1	33.8	126.79021 16-17
18 -12.673 -15.828 1616.25522	-60.3 11.			75.37944		-90.3	72.3	36.8 38.6	34.6	156.10066 17-18
19 -18.306 -14.259 1699.32619 20 -25.051 -11.634 1842.17500	-48.6 16.			78.94849	0.712	-96.3	74.4	37.1 45.9	34.2	176.64812 18-19
20 -25.051 -11.634 1842.17500 21 -24.463 -18.906 1725.18639				84.50588	0.583	-102.3	77.6	38.1 55.7	33.3	217.22010 19-20
22 -24.196 -25.071 1660.46283	-30.1 17. -17.8 10.			80.16562 77.45681	0.686	-101.1	71.0	43.3 47.8		200.78269 20-21
23 -24.143 -30.703 1633.55661	-3.6 4.		76.9	15.79695				48.5 42.7		170.32207 21-22
24 -24.262 -36.122 1638.60954	11.1 -1.		87.1	74.95155				53.8 40.3 59.0 40.7		155.628/6 22-23
25 -18.378 -36.041 1537.37308	14.8 -0.		84.6	71.33273			54.1	58.5 29.8	-10.2	149.76169 23-24 178.26038 24-25
26 -13.270 -36.039 1475.14824	22.3 0.		81.5	68.80691			52.9	58.3 19.8	-7.7	154-70427 25-26
27 -8.614 -36.089 1442.46935			75.0	66.78958		-85.9	52.1	58.4 11.0	-6.9	141.02156 26-27
28 -4.781 -36.165 1434.14742	92.9 1.	4 -81.7	70.1	64.30226	0.975	-82.2	51.6	58.8 7.3	-7.2	116.14205 27-28
JULY 31,1964 13 HR 14 MIN 45	SEC 834 MS		TAB NO	70	ATL	AS PHOTO	NO	70	POD S	SEQUENCE NO 146
JULY 31,1964 13 HR 14 MIN 45 TRAJECTORY DATA	SEC 834 MS		IMPACT	70 ALT	ATL.			70 R	POD :	
TRAJECTORY DATA PHOTO DATA		662	IMPACT		LA:	T LO 781 -32.	N 820	R 3153.19	y 2 2.073	PTH AZ -72.539 116.650
TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	AZS/C AZ	662 N AZSUN	IMPACT •965	ALT 1417.73636	LA: 5 -4.	T LO 781 -32. AZPHAZ	N 820	R 3153.19 PHAZ EMIS	V 2 2.073 ALPHA	PTH AZ -72.539 116.650
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.555 -18.641 1553.03426	AZS/C AZ -18.7 6.	662 N AZSUN B -79.1	IMPACT •965 AZA 64•5	ALT 1417.73636 A* 71.27963	B/A 0.897	T LO 781 -32. AZPHAZ -93.4	N 820 INCD 69.5	R 3153.19 PHAZ EMIS 39.1 33.0	V 2 2.073 ALPHA 29.6	PTH AZ -72.539 116.650 SCALE PT-PT 0. 0-1
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509	AZS/C AZI -18.7 6. -34.0 6.	662 N AZSUN B -79.1 D -80.2	IMPACT •965 AZA 64•5 56•0	ALT 1417.73636 A* 71.27963 70.22170	B/A 0.897 0.926	T LO 781 -32. AZPHAZ -93.4 -90.2	N 820 INCD 69.5	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2	V 2 2.073 ALPHA 29.6 12.8	PTH AZ -72.539 116.650 SCALE PT-PT 0. 0-1 237.59204 1-2
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -31.546 1426.38512	AZS/C AZ -18.7 6. -34.0 6. -16.6 2.	662 N AZSUN B -79.1 D -80.2 9 -80.3	IMPACT •965 AZA 64.5 56.0 60.5	ALT 1417-73636 A* 71-27963 70-22170 67-17605	B/A 0.897 0.926 0.998	T LO 781 -32. AZPHAZ -93.4 -90.2 -85.6	INCD 69.5 62.0 56.5	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5	V 2 2.073 ALPHA 29.6 12.8 3.0	PTH AZ -72.539 116.650 SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3
TRAJECTORY DATA  PHOTO DATA PT LAY LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -31.546 1426.38512	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4.	662 N AZSUN B -79.1 D -80.2 9 -80.3 7 -81.1	IMPACT .965 AZA 64.5 56.0 60.5 47.6	ALT 1417-73636 A* 71.27963 70.22170 67-17605 68-29819	B/A 0.897 0.926 0.998 0.971	T LO 781 -32. AZPHAZ -93.4 +90.2 -85.6 -85.2	INCD 69.5 62.0 56.5 61.0	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8	V 2 2.073 ALPHA 29.6 12.8 3.0 13.0	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.68999 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -31.546 1426.38512 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1487.40607 6 -12.766 -21.481 1524.36768	AZS/C AZ -18.7 6. -34.0 6. +16.6 2. -56.0 4. -69.4 6.	662 N AZSUN B -79.1 0 -80.2 9 -80.3 7 -81.1 5 -81.7	IMPACT .965 AZA 64.5 56.0 60.5 47.6 37.7	ALT 1417-73636 A* 71-27963 70-22170 67-17605	B/A 0.897 0.926 0.998 0.971 0.922	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8	INCD 69.5 62.0 56.5 61.0	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9	V 2 2.073 AL PHA 29.6 12.8 3.0 13.0 23.2	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -31.546 1426.38512 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1487.40607 6 -12.766 -21.481 1524.36768 7 -18.114 -20.472 1595.23486	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4. -69.4 6. -50.5 8. -38.2 12.	662 N AZSUN B -79.1 0 -80.2 9 -80.3 7 -81.1 5 -81.7 8 -81.7 0 -82.3	IMPACT -965 AZA 64.5 56.0 60.5 47.6 37.7 46.3 53.2	ALT 1417-73636 A* 71.27963 70.22170 67.17605 68.29819 70.00328 72.10126 75.12781	B/A 0.897 0.926 0.998 0.971 0.922 0.875 0.799	T LO 781 -32. AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3	INCD 69.5 62.0 56.5 61.0 65.7 66.9	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9	V 2 2.073 ALPHA 29.6 12.8 3.0 13.0	PTH AZ -72.539 116.650 SCALE PT-PT 0. 0-1 237.59204 1-2 2201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -31.546 1426.38512 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1687.40607 6 -12.766 -21.481 1524.36768 7 -18.114 -20.472 1595.23468 8 -18.095 -25.592 1542.39822	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4. -69.4 6. -50.5 8. -38.2 12. -23.6 7.	662  N AZSUN B -79.1 D -80.2 F -80.3 7 -81.1 5 -81.7 B -81.7 D -82.3 9 -79.9	IMPACT .965 AZA 64.5 56.0 60.5 47.6 37.7 46.3 53.2 62.3	ALT 1417-73636 A* 71.27963 70.22170 67.17605 68.29819 70.00328 72.10126 75.12781 72.95714	B/A 0.897 0.926 0.998 0.971 0.922 0.875 0.875	T LO 781 -32.  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	INCD 69.5 62.0 56.5 61.0 65.7 66.9 68.5 63.4	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9 42.1 29.5 42.4 37.6 47.8 31.8	V 2 2.073 AL PHA 29.6 12.8 3.0 13.0 23.2 23.4	PTH AZ -72.539 116.650 SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.4899 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7
PHOTO DATA  PHOTO DATA  PT LAT	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4. -69.4 6. -50.5 8. -38.2 12. -23.6 7.	662  N AZSUN B -79.1 D -80.2 9 -80.3 7 -81.1 5 -81.7 D -82.3 9 -79.9 8 -77.4	IMPACT .965 AZA 64.5 56.0 60.5 47.6 37.7 46.3 53.2 62.3 72.7	ALT 1417-73636 A* 71-27963 70-22170 67-17605 68-29819 70-00328 72-10126 75-12781 72-95714 71-57098	8/A 0.897 0.926 0.998 0.971 0.922 0.875 0.799 0.854 0.883	T L0781 -32.  AZPHAZ -93.4 -90.2 -85.6 -85.6 -90.3 -95.8 -95.3 -94.8	INCD 69.5 62.0 56.5 61.0 65.7 66.9 68.5 63.4 58.7	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9 42.1 29.5 42.4 37.6 47.8 31.8 53.2 29.0	V 2 2.073 ALPHA 29.6 12.8 3.0 13.0 23.2 23.4 22.3	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.555 -18.641 153.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -31.546 1426.38512 4 -8.173 -26.999 143.88813 5 -7.922 -22.173 1487.40607 6 -12.766 -21.481 1524.36768 7 -18.114 -20.472 1595.23486 8 -18.095 -25.929 1542.39822 9 -18.171 -31.004 1520.74699 10 -13.065 -31.302 1458.72830	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4. -59.4 6. -59.5 8. -38.2 12. -23.6 7. -5.0 3. -7.7 3.	662  N AZSUN B -79.1 0 -80.2 9 -80.3 7 -81.1 5 -81.7 8 -81.7 0 -82.3 9 -77.4 2 -78.6	IMPACT -965 AZA 64-5 56-0 60-5 47-6 37-7 46-3 53-2 62-3 72-7 67-6	ALT 1417.73636 Ae 71.27963 70.22170 67.17605 68.29819 70.00328 72.10126 75.12781 72.95714 71.57098 68.99755	B/A 0.897 0.9926 0.991 0.992 0.875 0.799 0.875 0.883 0.953	T LC 781 -32. AZPHAZ -93.4 +90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2	INCD 69.5 62.0 56.5 61.0 65.7 66.9 68.5 63.4 58.7	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9 42.1 29.5 42.4 37.6 47.8 31.8 53.2 29.0 53.0 18.4	V 2 2.073 ALPHA 29.6 12.8 3.0 13.0 23.2 23.4 22.3 11.1 0.4 2.5	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.49837 9-10
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -11.546 1426.38512 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1487.40607 6 -12.766 -21.681 1524.36768 7 -18.114 -20.472 1595.23486 8 18.095 -25.929 1342.39822 9 -18.171 -31.004 1520.74699 10 -13.065 31.302 1458.72830 11 -8.409 -31.546 1426.38512	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4. -69.4 6. -50.5 6. -38.2 12. -23.6 7. -5.0 3. -7.7 3.	662  N AZSUN B -79.1 D -80.2 9 -80.3 7 -81.1 5 -81.7 0 -82.3 9 -79.9 1 -77.4 2 -78.6 9 -80.3	IMPACT .965  AZA 64.5 56.0 60.5 47.7 46.3 53.2 62.3 72.7 67.6 60.5	ALT 1417-73636 A* 71-27963 70-22170 67-17605 68-29819 70-00328 72-10126 75-12781 72-95714 71-57098 68-99755 67-17605	B/A 0.897 0.926 0.971 0.922 0.875 0.799 0.854 0.853 0.958	T LO 781 -32. AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -85.6	INCD 69.5 62.0 56.5 61.0 65.7 66.9 68.5 63.4 557.4 56.5	R 3153.19. PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9 42.1 29.5 42.4 37.6 47.8 31.8 53.2 29.0 53.0 18.4 8.5 53.1 8.5	V 2 2.073 ALPHA 29.6 12.8 3.0 13.0 23.2 23.4 22.3 11.1 0.4 2.5 3.0	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 2201.54730 2-3 136.86999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.49837 9-10 141.20617 10-11
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -31.546 1426.3851.2 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1487.40607 6 -12.766 -21.481 1524.36768 8 -18.095 -25.929 1542.3982.2 9 -18.171 -31.004 1520.74699 10 -13.065 -31.302 1458.72830 11 -8.409 -31.546 1426.3851.2 2 -4.831 -36.042 1423.78503	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4. -50.5 6. -38.2 12. -23.6 7. -5.0 3. -7.7 3. -16.6 2.	662  N AZSUN B -79.1 D -80.2 7 -81.1 5 -81.7 6 -82.3 9 -79.9 8 -77.4 2 -78.6 7 -81.7	IMPACT .965  AZA 64.5 56.0 60.5 47.6 37.7 46.3 53.2 62.3 72.7 67.6 60.5 69.6	ALT 1417.73636 Ae 71.27963 70.22170 67.17605 68.29819 70.00328 72.10126 75.12781 71.57098 68.99755 67.17605 63.81998	B/A 0.897 0.998 0.971 0.922 0.875 0.799 0.854 0.854 0.998 0.998	T LO 781 -32.  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -95.8 -95.3 -94.8 -90.2 -85.6 -82.2	INCD 69.5 62.0 56.5 61.0 66.9 68.5 63.4 58.7 57.4 55.5	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9 42.1 29.5 47.8 31.8 53.2 29.0 53.0 18.4 53.1 8.5 53.8 7.1	V 2 2.073 ALPHA 29.6 12.8 3.0 13.0 23.2 23.4 22.3 11.1 0.4 2.5 3.0	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.98937 9-10 141.20617 10-11 173.31341 11-12
PHOTO DATA  PHOTO DATA  PT LAT  1 -11.555 - 18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -11.546 1426.38512 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1487.40607 6 -12.766 -21.481 1524.36768 7 -18.114 -20.472 1595.23486 8 -18.095 -25.929 1542.39822 9 -18.171 -31.004 1520.74699 10 1-3.065 -31.302 1458.72830 11 -8.409 -31.546 1426.38512 12 -4.831 -36.042 1423.78503 13 -4.574 -31.731 1418.45415	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4 6. -50.5 5. -38.2 12. -23.6 7. -77.7 3. -77.7 3. -97.4 2.	662  N AZSUN B -79.1 D -80.2 -80.3 7 -81.1 5 -81.7 B -81.7 -82.3 9 -77.4 2 -78.6 -80.3 4 -81.3	IMPACT .965  AZA 64.5 560.5 47.6 37.7 46.3 53.2 62.3 72.7 67.6 60.5 69.6 60.5 691.8	ALT 1417-73636 4* 71-27963 70-22170 67-17605 68-29819 70-00328 72-10126 75-12781 72-95714 71-57098 68-99755 67-17605 63-81998	LA' 8/A 0.897 0.926 0.922 0.875 0.799 0.854 0.953 0.953 0.978 0.978	T LO 781 -32. AZPHAZ -93.4 -90.2 -85.6 -85.6 -85.6 -95.8 -95.8 -95.3 -94.8 -90.2 -85.6 -82.2	INCD 69.5 62.0 56.5 61.0 66.7 66.9 68.5 63.4 58.7 57.4 55.7	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 547.8 14.8 42.4 23.9 42.4 27.6 42.4 37.6 47.8 37.6 47.8 37.6 53.2 29.0 53.0 18.4 53.2 59.0 53.8 7.1 8.5 53.8 7.1	V 2 2.073 AL PHA 29.6 12.8 3.0 23.2 23.4 22.3 11.1 0.4 2.5 3.0 -7.1	PTH AZ -72.539 116.650  SCALE PTP-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.89837 9-10 141.20617 10-11 173.31341 11-12 130.38972 12-13
PHOTO DATA  PHOTO DATA  PT LAT  1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -11.546 1426.38512 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1481.40607 6 -12.766 -21.481 1524.36768 7 -18.114 -20.472 1595.23486 8 -18.095 -25.929 1542.39822 9 -18.171 -31.004 1520.74699 10 -13.065 -31.302 1498.72830 11 -8.409 -31.546 1426.38512 12 -4.831 -36.042 1423.78503 13 -4.574 -31.731 1418.45415	AZS/C AZ -18.7 6. -34.0 6. -10.6 2. -56.0 4 6. -50.5 8. -38.2 12. -23.6 7. -5.0 3. -7.7 3. -10.6 2. -91.5 3.	662  N AZSUN B -79.1 D -80.2 7 -81.1 5 -81.7 D -82.3 9 -77.4 2 -78.6 9 -80.3 4 -81.7 -82.2 9 -80.3	IMPACT - 965  AZA 64.5 56.0 60.5 47.6 37.7 46.3 53.2 62.3 72.7 67.6 60.5 69.6 51.8 37.8	ALT 1417-73636 A• 71-27963 70-22170 67-17605 68-29819 70-00328 72-10126 75-12781 72-95714 71-57098 68-99755 67-17605 63-81998 64-79759 67-12582	LA*  8/A  0.897  0.992  0.992  0.922  0.875  0.799  0.854  0.953  0.998  0.975  0.983	T LC 781 -32.4 -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.8 -90.6 -85.2 -81.6 -85.2 -81.6 -85.2 -81.6 -85.2 -81.6 -85.3	INCD 69-5 62-0 56-5 61-0 65-7 66-9 68-5 63-4 58-7 57-4 56-5 51-7 56-6	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9 42.4 37.6 47.8 31.8 53.2 29.0 53.0 18.4 53.1 8.5 53.2 29.0 53.0 18.4 43.1 8.5 53.2 29.0 53.0 25.0 53.0 25.0	V 2 2.073 ALPHA 29.6 12.8 3.0 23.2 23.4 22.3 11.1 0.4 2.5 3.0 -7.1 2.5	PTH AZ -72.539 116.650 SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.99837 9-10 141.20617 10-11 173.31341 11-12 130.38972 12-13
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -11.546 1426.3851.2 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1487.40607 6 -12.766 -21.481 1524.36768 7 -18.114 -20.472 1595.23468 8 -18.095 -25.929 1542.198.22 9 -18.171 -31.004 1520.74699 10 -13.065 -31.302 1458.7283 11 -8.409 -31.546 1426.3851.2 12 -4.831 -36.042 1423.78503 13 -4.574 -31.731 1418.45415 14 -4.280 -27.297 1435.57858 15 -3.939 -22.601 1477.75781 16 -3.531 -17.442 1549.94771 7 -7.447 -16.852 1562.29218	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4 6. -50.5 6. -38.2 12. -23.6 7. -5.0 3. -7.7 3. -16.6 2. 92.5 1. -97.4 2. -91.5 3. -90.8 4. -90.6 5.	662 N AZSUN B -79.1 D -80.2 9 -80.3 7 -81.1 5 -81.7 O -82.3 9 -79.9 9 -79.9 9 -80.3 4 -81.7 6 -82.1 7 -82.1 7 -82.1	IMPACT -965  AZA 64-5 56-0 60-5 47-6 353-2 767-6 60-5 51-8 37-8 28-4 21-4	ALT 1417-73636 71-27963 70-22170 67-17605 68-29819 70-00328 72-10126 75-12781 71-5708 68-99755 67-1276 68-9755 67-12582 68-73858 68-73858	LA 5 -4. 8/A 0.897 0.926 0.971 0.922 0.875 0.799 0.853 0.953 0.998 0.975 0.981 0.993 0.994 0.874 0.993	T LC781 -32. AZPHAZ -93.4 -90.2 -85.6 -95.8 -95.8 -95.8 -90.2 -84.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.0 -79.0	INCD 69-5 62-0 56-5 61-0 65-7 66-9 68-5 63-4 58-7 57-5 56-0 60-4 65-0 70-1	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 47.8 14.8 42.4 23.9 42.1 29.5 47.8 31.8 53.2 29.0 53.0 18.4 53.1 8.5 53.2 29.0 53.0 18.4 53.1 8.5 53.2 29.0 53.0 18.4 53.1 8.5 53.2 29.0 53.0 18.4 53.1 8.5	V V 2 2.073  AL PHA 29.6 12.8 3.0 13.0 23.2 23.4 22.3 11.1 0.4 2.5 3.0 -7.1 2.4 12.0 21.9 32.1	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.89837 9-10 173.31341 11-12 130.38972 12-13 134.19370 13-14 142.25475 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 2. -56.0 6. -38.2 12. -23.6 7. -50.5 8. -77.7 3. -77.7 3. -97.4 2. -91.5 3. -90.8 4. -90.6 5. -60.3 11.	662  N AZSUN 8 -79.1 0 -80.2 9 -80.3 7 -81.1 7 -81.7 8 -81.7 9 -87.3 9 -77.4 9 -80.3 9 -77.4 6 -81.7 6 -82.2 1 -81.7 7 -81.7	IMPACT -965  AZA 64.5 56.0 60.5 47.6 37.7 46.3 52.7 67.6 60.5 69.8 37.8 28.4 21.4 3C.0 38.3	ALT 1417-73636 A• 71-27963 70-22170 67-17605 68-29819 70-00328 72-10126 75-12781 72-95714 71-57098 68-99755 67-17605 63-81998 64-79759 67-172582 68-73858 71-07283 72-48457 74-87395	8/A 0.897 0.9926 0.971 0.975 0.875 0.799 0.854 0.975 0.981 0.993 0.946 0.975 0.981	T LC781 -32.4 AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -90.8 -90.6 -81.6 -80.0 -79.6	INCD 69-5 62-0 56-5 61-0 66-7 66-9 68-5 57-4 56-5 51-7 66-9 68-5 75-4 56-5 71-7 66-9	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 47.8 14.8 42.4 23.9 42.4 37.6 47.8 31.6 53.2 29.0 18.4 53.2 29.0 18.5 53.8 7.1 53.8 7.1 53.8 7.1 53.6 2.5 48.3 12.2 48.3 12.2	V 2 2.073 AL PHA 29.6 12.8 3.0 13.0 23.2 23.4 22.3 11.1 0.4 2.5 3.0 7.1 2.4 12.0	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.49837 9-10 141.20617 10-11 173.31341 11-12 130.38972 12-13 134.19370 13-14 142.25475 15-15 156.42387 15-16
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TRAJECTORY DATA  PHOTO DATA  PT LAT	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4. -69.4 6. -50.5 8. -38.2 12. -23.6 7. -50.5 3. -77.7 3. -16.6 2. -92.5 1. -97.4 2. -91.5 3. -90.8 4. -60.3 11. -48.6 16. -40.0 23. -30.2 16. -17.9 10. -3.7 4. -40.0 23. -30.2 16. -17.9 10. -3.7 4. -40.0 23.	662  N AZSUN N -80-2 -80-3 -80-3 -81-7 -81-7 -81-7 -82-3 -82-7 -82-3 -82-1 -82-2 -83-82-1 -82-2 -83-82-3 -84-83-3 -84-83-3 -82-1 -84-2 -84	IMPACT - 965  AZA 5 64.5 56.0 5 47.6 7 37.7 46.3 53.2 67.6 60.5 61.8 828.4 430.0 345.3 51.2 58.9 67.4 76.6 76.7 86.8 84.3	ALT 1417-73636 71.27963 70.22170 67.17605 68.29819 70.00328 72.10126 75.12781 72.95714 71.57098 68.99755 67.12582 68.73858 71.07283 72.48457 74.8739728 83.91411 79.61057 76.91553 77.39928 77.39928	8/A 0.897 0.9926 0.971 0.975 0.799 0.875 0.875 0.875 0.854 0.984 0.993 0.993 0.944 0.870 0.864 0.975 0.981 0.975 0.712 0.870 0.871 0.9	T LC 781 -32. AZPHAZ -90.2 -85.6 -95.3 -95.8 -90.2 -85.6 -85.6 -90.2 -86.6 -85.6 -90.2 -86.6 -86.2 -90.3 -96.4 -102.3 -101.1 -100.2 -99.4 -98.7 -94.5	NN B20 1NCD 69-5 66-5 66-5 66-6 66-9 68-5 57-4 55-5 56-0 771-0 66-9 771-0 66-9 65-5 65-5 65-5 65-5 65-5 771-0 66-5 771-0 66-5 55-5 66-5 56-5 56-6	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 47.8 14.8 42.4 23.9 42.1 29.5 47.8 31.8 53.2 29.0 47.8 31.8 53.0 18.4 53.1 8.5 53.0 18.4 53.1 8.5 6 2.5 6 37.1 34.1 37.9 32.7 37.1 34.1 36.8 38.6 37.1 45.8 37.1 45.8 37.1 45.8 37.1 45.8 37.1 45.8 37.1 45.8 37.1 45.8	2 2.073  AL PHA 29.6 12.8 3.0 13.0 23.2 23.4 22.3 11.1 0-4 2.5 3.0 -7.1 2.4 12.0 33.8 34.6 34.2 33.2 19.5 7.5 -3.8 -14.6	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.89837 9-10 141.20617 10-11 173.31341 11-12 130.38972 12-13 134.19372 13-14 142.25475 14-15 156.42387 15-16 125.94257 16-17 155.06500 17-18 175.41398 18-19 215.43855 18-20 199.29624 20-21 169.17621 21-22 148.66385 23-24 176.81279 24-25
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -31.546 1426.38512 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1487.40607 6 -12.766 -21.481 1524.36728 7 -18.114 -20.472 1595.23486 8 -18.095 -25.929 1842.39822 9 -18.171 -31.004 1520.74699 10 -13.065 -31.302 1458.72830 11 -8.409 -31.546 1426.38512 12 -4.831 -36.042 1423.78503 3 -4.574 -31.331 1418.45415 14 -4.280 -27.297 1435.57858 15 -3.939 -22.001 1477.15781 16 -3.531 -17.442 1549.94771 17 -7.647 -16.852 1562.29218 8 -12.669 -15.840 1605.41641 19 -18.263 -14.285 1687.83554 19 -18.263 -14.285 1687.83554 20 -24.954 -11.690 1829.26936 21 -24.372 -18.902 1713.24391 22 -24.107 -25.021 1648.86713 23 -24.052 -30.611 1621.9C741 24 -24.167 -35.987 1626.550063 25 -18.330 -35.915 1644.60895 26 -18.3260 -35.915 1646.631339 26 -13.260 -35.915 1646.63831	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4 6. -50.5 5. -38.2 12. -23.6 7. -77.7 3. -77.7 3. -77.7 3. -79.4 2. -91.5 3. -99.6 5. -79.4 2. -99.6 5. -79.4 8. -60.3 11. -48.6 16. -40.0 23. -30.2 16. -17.9 10. -3.7 4.	662  N AZSUNN  B -79.1  D -80.2  9 -80.3  7 -81.7  5 -81.7  6 -82.3  9 -80.3  7 -80.3  1 -80.3  1 -80.2  1 -80.3  1 -80.2  1 -80.3  1 -80.2  1 -80.3  1 -80.2  1 -80.3  1 -80.	IMPACT-965  AZA 64.5 56.0 560.5 47.6 746.3 53.2 372.7 67.6 51.8 37.8 28.4 21.4 038.3 31.2 967.4 766.8 84.3 81.1	ALT 1417-73636 71.27963 70.22170 67.17605 68.29819 70.00328 72.10126 75.12781 71.57098 68.99755 67.17605 63.81998 64.79759 67.12582 68.73858 71.07283 72.48457 74.87395 78.41487 83.91411 79.61057 76.91553 77.91553 77.91553 77.91553 77.91553 77.91553 77.91553 77.91553 77.91553 77.91553	LA' 8.897 0.926 0.991 0.922 0.971 0.922 0.854 0.975 0.979 0.854 0.975 0.974 0.867 0.971 0.585 0.974 0.687 0.687 0.687 0.687 0.687 0.687 0.687 0.687 0.687	T LC781 -32.4 AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -90.8 -90.6 -81.6 -80.9 -79.0 -84.2 -90.3 -96.4 -101.1 -100.2 -99.3 -96.4 -102.3 -101.1 -100.2 -99.3	NR 820 INCD 69-5 669-5 661-07 66-9 663-4 766-5 756-5 756-5 771-0 600-5 6	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 53.1 8.5 53.8 14.8 42.4 23.9 42.4 23.9 42.4 37.6 53.2 29.0 18.4 53.2 29.0 18.4 53.1 8.5 53.0 18.4 53.1 8.5 53.6 2.5 48.3 12.2 37.9 32.7 36.8 38.6 37.1 34.1 36.8 38.6 37.1 34.1 36.8 38.6 37.1 34.1 53.6 2.5 48.3 47.8 53.8 40.2 53.8 40.2 53.8 40.2 53.8 40.2 58.5 29.7	2 2.073  ALPHA 29.6 12.8 3.0 23.2 23.4 22.3 11.1 0.4 22.3 11.2 4 12.0 21.9 32.1 33.8 34.6 33.2 19.5 7.5 -14.6 -10.0 -7.6	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.49837 9-10 141.20617 10-11 173.31341 11-12 130.38972 12-13 134.19370 13-14 142.25475 14-15 156.42387 15-16 125.94257 16-17 155.06500 17-18 175.41398 18-19 215.43855 19-20 199.29624 20-21 169.17621 21-22 154.57203 22-23 148.66385 23-24 176.81279 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.555 -18.641 1553.03426 2 -12.900 -26.549 1477.59509 3 -8.409 -11.546 1426.38512 4 -8.173 -26.999 1443.88838 5 -7.922 -22.173 1487.40607 6 -12.766 -21.481 1524.36708 7 -18.114 -20.472 1595.23486 8 -18.095 -25.929 1542.19822 9 -18.171 -31.004 1520.74699 10 -13.065 -31.302 1458.72830 11 -8.409 -31.346 1426.38512 12 -4.831 -36.042 1423.78503 13 -4.571 -31.731 1418.45415 14 -4.280 -27.297 1445.57858 15 -3.939 -22.601 1477.75781 16 -3.531 -74.42 1549.94771 17 -7.647 -16.652 1562.29218 18 -12.669 -15.840 1605.41641 9 -18.263 -14.285 1687.83554 20 -24.972 -11.690 1829.26936 21 -24.372 -18.902 1713.24391 22 -24.107 -25.021 1468.86713 23 -24.052 -30.611 1621.9C741 -24.107 -35.987 1626.55063 25 -18.330 -35.913 1526.31339 6 -33.260 -35.913 1526.31339	AZS/C AZ -18.7 6. -34.0 6. -16.6 2. -56.0 4 6. -50.5 5. -38.2 12. -23.6 7. -5.0 3. -77.7 3. -16.6 2. 92.5 1. -97.4 2. -97.5 3. -90.8 4. -90.6 5. -75.4 8. -60.3 11. -40.0 23. -30.2 16. -17.9 10. -3.7 4. 10.9 10.	662  N AZSUN B - 77.1  - 80.3  - 81.7  - 81.7  - 81.7  - 82.3  - 81.7  - 82.3  - 77.9  - 82.3  - 81.7  - 82.3  - 81.7  - 82.3  - 81.7  - 82.2  - 83.3  - 84.7  - 83.6  - 81.7  - 83.6  - 81.7  - 83.6  - 81.7  - 83.6  - 81.7  - 83.7	IMPACT - 965  AZA 5 64.5 56.0 5 47.6 7 46.3 28.4 67.6 60.5 51.8 28.4 21.4 3C.0 3 45.3 258.9 67.6 76.7 86.8 81.1 74.5	ALT 1417-73636 71.27963 70.22170 67.17605 68.29819 70.00328 72.10126 75.12781 72.95714 71.57098 68.99755 67.12582 68.73858 71.07283 72.48457 74.8739728 83.91411 79.61057 76.91553 77.39928 77.39928	LA' 0.897 0.926 0.971 0.926 0.971 0.922 0.975 0.799 0.975 0.993 0.975 0.993 0.976 0.775 0.776 0.777 0.787	T LC 781 -32. AZPHAZ -90.2 -85.6 -95.3 -95.8 -95.2 -86.6 -95.3 -94.8 -90.2 -85.6 -95.3 -94.8 -90.2 -86.6 -95	NN 820 1NCD 69-5 66-5 66-5 66-7 66-9 663-4 75-6-5 51-7 75-6-5 77-6 60-4 65-0 77-6 60-5 60-5 77-6 60-5 77-6 60-5 77-6 60-5 77-6 77-6 77-6 77-6 77-6 77-6 77-6 77	R 3153.19 PHAZ EMIS 39.1 33.0 47.5 22.2 47.8 14.8 42.4 23.9 42.1 29.5 47.8 31.8 53.2 29.0 47.8 31.8 53.0 18.4 53.1 8.5 53.0 18.4 53.1 8.5 6 2.5 6 37.1 34.1 37.9 32.7 37.1 34.1 36.8 38.6 37.1 45.8 37.1 45.8 37.1 45.8 37.1 45.8 37.1 45.8 37.1 45.8 37.1 45.8	2 2.073  AL PHA 29.6 12.8 3.0 23.2 23.4 22.3 11.1 0.4 2.5 3.0 21.9 32.1 2.4 12.0 31.9 32.1 33.8 34.6 34.6 34.6 34.6 34.6 34.6 34.6 36.6 36	PTH AZ -72.539 116.650  SCALE PT-PT 0. 0-1 237.59204 1-2 201.54730 2-3 136.48999 3-4 144.92414 4-5 148.17346 5-6 164.65130 6-7 157.12213 7-8 146.07724 8-9 154.89837 9-10 141.20617 10-11 173.31341 11-12 130.38972 12-13 134.19372 13-14 142.25475 14-15 156.42387 15-16 125.94257 16-17 155.06500 17-18 175.41398 18-19 215.43855 18-20 199.29624 20-21 169.17621 21-22 148.66385 23-24 176.81279 24-25

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					-	AB NO	71	ATI	AS PHOTO	NO.	71		DOD S	EQUENCE	NO 1	48
JULY 31,19	66 13 HE	14 MIN 50	SEC 954	MS	1	AB NO	/1	AID	45 FRUIT	NO	/1		100 3	LQUEITOL		
										<b></b>			٧	PTH	ΑZ	
TRAJECTUR	Y DATA				SEC TO 657.		ALT 1407.60602	LA1		ON - 768	314	R 3.061		-72.500		44
PHUTO DAT	A						_									
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN -79.1	AZA 64.3	A.		AZPHAZ -93.4	INCO 69.5	PHAZ	EMIS	AL PHA	SCALE 0.	PT- 0-	
1 -11.546	-18.660	1542.06911	-18.8 -34.1	6.8	-80.2	55.9	70.78748 69.73887		-90.2	62.0			12.9	235.3510		
2 -12.894	-31.455	1416.33987	-17.1	2.9	-80.3	60.2	66.70300		-85.6	56.6	53.1	8.6	3.1	200.2049	0 2-	
4 -B.199	-26.939	1433.90977	-56.0	4.7	-81.1	47.5	67.82611		-85.2		47.8		13.0	135.561		· 4 · 5
5 -7.949	-22.145	1477.25513	-69.4 -50.5	6.5 8.8	-81.7 -81.7	37.7 46.3	69.52532		-84.8 -90.3	65.7	42.4 42.1		23.2	143.966		. 6
6 -12.761 7 -18.072	-21.456	1514.02089	-38.2	11.9	-82.4	53.2	74.61548		-95.8		42.4		22.3	163.508	3 6-	- 7
R -18-072		1531.74977	-23.7	7.9	-79.9	62.2	72.45337		-95.3	63.5	47.8	31.8	11.2	156.087		
9 -18.126	-30.913	1510.03020	-5.2	3.9	-77.5	72.5	71-06641		-94.6		33.2		0.5	145.090		
10 -13.057		1448.49832	-8.0	3.3	-78.7 -80.3	67.4	68.51367 66.70300		-90.2 -85.6		53.0 53.1		2.6 3.1	140.223		
11 -8.434		1416.33987	-17.1 92.0	1.4	-81.7	69.1	63.33819		-82.2	51.8		7.0	-7.0	172.076	56 li-	-12
13 -4.625		1408.37134	-95.7	2.6	-82.0	51.6	64.34111		-81.6		53.6		2.5	129.441		
14 -4.333		1425.55635	-91.2	3.6	-82.2	37.8	66.65693		-80.9		48.3		12.1 22.0	133.271	14 13* 61 14-	-15
15 -3.993		1467.56236	-90.7 -90.5	4.8 5.7	-82.1 -81.7	28.5	68.26383 70.58359		-80.0 -79.0		43.0		32.2	155.364		
16 -3.588 17 -7.676		1539.29494	-75.4	8.1	-82.2	30.1	71.99173			70.9			33.8	125.093	56 16-	-17
18 -12.664		1594.56020		11.4	-83.2	38.4	74.36764	0.795	-90.3		36.8		34.5	154.027		
19 -18.219	-14.310	1676.32713	-48.6	15.9	-85.3	45.3	77.88043				37.1		34.2	174.178	30 18-	-19
20 -24.858	-11.745	1816.35062	-40.0 -30.2	22.9	-89.3 -84.2	51.2 58.8	83.32173 79.05488			71.0	38.1		19.6	197.809	28 20-	-21
21 -24.282		1701.28763		10.9		67.2	76.37373						7.6	168.028	35 21-	-22
23 -23.961		1610.25145	-3.9	4.9	-77.1	76.5	74.71446	0.782	-99.4	60.6	53.8	40.1	-3.7	153.514		
24 -24.072	-35.852	1614.49161		-1.3	-73.7	86.5	73.84702						-14.4 -9.9	147.566		
25 -18.282		1515.24910	14.4	-0.3	-74.9 -76.9	83.9 8C.7	70.30564 67.82346				58.5		-7.4	152.424		
26 -13.250 27 -8.661		1454.06418	21.6 40.8	0.4	-79.3	74.0	65.80627				58.4		-6.6	139.015	51 26.	-27
28 -4.882							63.33819			51.8	SR.B	7.0	-7.0	114.482	44 27.	-28
	- 33.920	1413.41922	92.0	1.4	-81.7	03.1	0,,,,,,,,	0.717	-82.2	71.0	,,,,					
20 4.002	- 33.920	1413.41922	92.0	1.4											NO :	150
						TAB NO	72		AS PHOT		72			SEQUENCE	NO :	150
		1413.41922 R 14 MIN 56				TAB NO	72	ATL	AS PHOT	0 NO			POD :	SEQUENCE		150
	964 13 H				SEC TO	TAB NO	72 ALT	<b>A</b> TI	AS PHOTO	O NO	72	ĸ	POD :	SEQUENCE	AZ	
JULY 31,19	964 13 H Ry Data				SEC TO	TAB NO	72	<b>A</b> TI	AS PHOTO	O NO	72	ĸ	POD :	SEQUENCE	AZ 116-	637
JULY 31,10 TRAJECTU	964 13 H Ry Data Ta				SEC TO	TAB NO	72 ALT 1397-46591	ATI LA 1 -4. B/A	AS PHOTO	0 NO .ON 2.715	72 31:	R 32.92 EMIS	POD :	PTH -72.462	AZ 116.	637 -PT
JULY 31,14  TRAJECTUS  PHOTO DA  PT LAT  1 -11.537	964 13 H RY DATA TA LON -18-679	R 14 MIN 56 RANGE : 1531-09167	SEC 74 AZS/C-19.0	MS MS MS MS	SEC TO 652. AZSUN -79-2	TAB NO	72 ALT 1397.46591 A* 70.29473	ATI LA L -4. B/A U.896	AS PHOTO	O NO .ON 2.715 INCD 69.5	72 31: PHAZ 39.2	R 32.92 EMIS 33.0	POD 9 V 1 2.078 ALPHA 29.5	PTH -72.462 SCALE	AZ 116.0	637 -PT - 1
JULY 31,11  TRAJECTUR  PHOTO DA  PT LAT  1 -11.537  2 -12.887	964 13 H RY DATA TA LON -18.679 -26.432	R 14 MIN 56 RANGE 1531-09167 1457-26320	SEC 74 AZS/C -19.0 -34.3	MS AZN 6.8	SEC TO 652 AZSUN -79-2 -80-3	TAB NO IMPACT 726 AZA 64.1 55.7	72 ALT 1397.46591 A* 70.29473 69.25543	ATI LA L -4. B/A 0.896 0.925	AS PHOTO  17 L  1833 -32  AZPHAZ  -93.4  -90.2	O NO .ON 2.715 INCD 69.5 62.1	72 31: PHAZ 39.2 47.5	R 32.92 EMIS 33.0 22.3	POD 5	PTH -72.462 SCALE 0. 233.113	AZ 116 PT 0	637 -PT - 1 - 2
JULY 31,1° TRAJECTUR PHOTO DA PT LAT 1 -11.537 2 -12.887 3 -8.458	964 13 H RY DATA TA LON -18.679 -26.432 -31.305	R 14 MIN 56  RANGE 1531.09167 1457.26320	AZS/C -19.0 -34.3 -17.7	AZN 6.8 6.1 2.9	SEC TO 652.  AZSUN -79.2 -80.3 -80.3	TAB NO IMPACT 726 AZA 64.1 55.7 60.0	72 ALT 1397.46591 A• 70.29473 69.25543 66.22954	B/A 8/A 0.896 0.925	AS PHOTO T 1 833 -32 AZPHAZ -93.4 -90.2 -85.6	O NO .ON 2.715 INCD 69.5 62.1 56.7	72 31: PHAZ 39.2 47.5 53.1	R 32.92 EMIS 33.0 22.3 8.6	POD 5  V 1 2.078  ALPHA 29.5 12.9 3.2	PTH -72.462 SCALE	AZ 116. PT 0 20 L 141 2 20 3	637 -PT - 1 - 2 - 3
JULY 31,15 TRAJECTUR PHOTO DA PT LAT 1 -11.537 2 -12.887 3 -8.458 4 -8.224	964 13 H  RY DATA  TA  LON -18.679 -26.432 -31.365 -26.879	R 14 MIN 56  RANGE 1531.09167 1457.26320 1406.28592	AZS/C -19.0 -34.3 -17.7 -56.0	MS AZN 6.8	SEC TO 652 AZSUN -79-2 -80-3	TAB NO IMPACT 726 AZA 64.1 55.7	72 ALT 1397.46591 A* 70.29473 69.25543	ATL LA L -4. 8/A 0.896 0.925 0.996	AS PHOTO 1 1 833 -32 AZPHAZ -93.4 -90.2 -85.2 -85.2 -84.8	O NO 1NCD 69.5 62.1 56.7 61.1	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4	R 32.92 EMIS 33.0 22.3 8.6 14.9	POD 5  V 2.078  ALPHA 29.5 12.9 3.2 13.1 23.3	PTH -72.462 SCALE 0. 233.113 198.860 134.632	AZ 116. PT 0 20 L 41 2 20 3 79 4	637 -PT - 1 - 2 - 3 - 4
JULY 31,1° TRAJECTUR PHOTO DA PT LAT 1 -11.537 2 -12.887 3 -8.458	964 13 H  RY DATA  LON -18.679 -26.432 -31.365 -26.879 -22.116 -21.431	R 14 MIN 56  RANGE 1531-09167 1457-26320 1423-91962 1467-09026	AZS/C -19.0 -34.3 -17.7 -56.0 -69.3 -50.6	AZN 6.8 6.1 2.9 4.7 6.5 8.8	SEC TO 652. AZSUN -79.2 -80.3 -80.3 -81.1 -81.7	TAB NO IMPACT .726  AZA 64.1 55.7 60.0 47.4 37.7 46.2	72 ALT 1397.46591 A* 70.29473 69.25543 66.22954 67.35348 69.04677 71.12175	B/A 0.896 0.996 0.998 0.922 0.922	AS PHOTO  T 1 833 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3	O NO .ON .715 1NCD 69.5 62.1 56.7 61.1 65.8 66.9	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 42.1	R 32.92 EMIS 33.0 22.3 8.6 14.9 24.0	POD :  V 1 2.078  ALPHA 29.5 12.9 3.2 13.1 23.3 23.5	PTH -72.462 SCALE 0. 233.112 198.860 134.633 143.000	AZ 116 PT 0 20 L 41 2 20 3 79 4	637 -PT - 1 - 2 - 3 - 4 - 5
JULY 31,19 TRAJECTUM PHOTO DA PT LAT 1 -11.537 2 -12.887 3 -8.458 4 -8.224 5 -7.976 6 -12.755 7 -18.029	964 13 H  RY DATA  LON -18.679 -26.432 -31.305 -26.879 -22.116 -21.431 -20.435	R 14 MIN 56  RANGE 1531.09167 1457.26320 1406.28592 1423.91962 1467.09024 1503.65880	AZS/C -19.0 -34.3 -17.7 -56.0 -69.3 -50.6 -38.3	AZN 6.8 6.1 2.9 4.7 6.8 8.8	SEC TO 652 AZSUN 779.2 -80.3 -80.3 -81.1 -81.7 -82.4	TAB NO IMPACT. 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1	72 ALT 1397.46591 70.29473 69.25543 66.25543 67.35348 69.04671 71.12175 74.10240	ATL LA 1 -4. 8/A 0.995 0.996 0.997 0.922 0.874 0.800	AS PHOTO  T	O NO 2.715 1NCD 69.5 62.1 56.7 61.1 65.8 66.9	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 42.1	R 32.92 EMIS 33.0 22.3 8.6 14.0 29.5	POD 5  V 2.078  ALPHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3	PTH -72.462 SCALE 0. 233.112 198.86 134.632 143.006 146.181	AZ 116+1 PT 0 20 1 41 2 20 3 79 4 51 5	637 - PT - 1 - 2 - 3 - 4 - 5 - 6
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 4 -8.224 5 -7.976 6 -12.755 7 -18.029 8 -18.009	964 13 H RY DATA LON -18.679 -26.432 -31.365 -26.879 -22.116 -21.431 -20.435 -25.818	R 14 MIN 56  RANGE 1531.09167 1457.26320 1406.28592 1462.09024 1503.65880 1573.45595	AZS/C -19.0 -34.3 -17.7 -56.0 -69.3 -50.6 -38.3 -23.9	AZN 6.8 6.1 2.9 4.7 6.8 8.8 11.9	SEC TO 652. AZSUN -79.2 -80.3 -80.3 -81.1 -81.7 -81.7 -82.4	TAB NO IMPACT .726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1 62.0	72 ALT 1397.46591 A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 71.98898	ATI LA 1 -4. 8/A 0.896 0.925 0.971 0.922 0.874 0.804	AS PHOTO # 833 -32 AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3	O NO 2.715 1NCD 69.5 62.1 56.7 61.1 65.8 66.9 68.6	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 42.1 42.4 47.8	R 32.92 EMIS 33.0 22.3 8.6 14.9 24.0 29.5 37.6	POD 5  V 1 2.078  ALPHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2	PTH -72.462 SCALE 0. 233.112 198.860 134.633 143.000	PT 0 20 1 141 2 20 3 779 4 551 5 190 6 88 9 7 8 2 8	637 - PT - 1 - 2 - 3 - 4 - 5 - 6 - 7
JULY 31,1' TRAJECTUI PHOTO DA PT LAT 1 -11.537 2 -12.887 3 -8.524 5 -7.976 6 -12.755 7 -18.029 8 -18.009 9 -18.081	964 13 H RY DATA  LON -18.679 -26.432 -31.365 -26.879 -22.116 -21.431 -20.435 -25.818	R 14 MIN 56  RANGE 1531-09167 1457-26320 1406-28592 1423-91962 1467-09024 1503-65895 1573-45995 1573-43993	AZS/C -19.0 -34.3 -17.7 -56.0 -59.3 -50.6 -38.3 -23.9	AZN 6.8 6.1 2.9 4.7 6.8 8.8	SEC TO 652.  AZSUN -79.2 -80.3 -80.3 -81.7 -81.7 -82.7 -82.0 -77.6	TAB NO IMPACT. 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1	72 ALT 1397.46591 A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 71.94898 70.56140 68.02934	B/A 0.896 0.995 0.971 0.922 0.874 0.800 0.884 0.955	AS PHOTO  T	O NO -ON -715 1NCD 69-5 62-1 56-7 61-1 65-8 66-9 68-6 63-5 58-7	72 31: PHAZ 39.2 47.5 53.1 42.4 42.1 42.4 53.2 53.0	R 32.92 EMIS 33.0 22.3 8.6 14.9 24.0 29.5 37.6 31.7 218.5	POD 5  V 1 2.078  AL PHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7	PTH -72.462 SCALE 0. 233.112 198.860 134.632 143.000 146.181 162.361 155.050 144.101	PT 0 20 1 141 2 20 3 779 4 551 5 190 6 189 7 132 8 149 9	637 - PT - 2 - 3 - 4 - 5 - 6 - 7
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.524 5 -7.976 6 -12.755 7 -18.029 8 -18.009 9 -18.081 10 -13.049 11 -8.458	P64 13 H  RY DATA  LON -18.679 -26.432 -31.365 -26.879 -20.435 -20.435 -20.435 -30.822 -31.121 -31.365	R 14 MIN 56  RANGE 1531.09167 1457.26320 1406.28592 1462.09024 1503.65880 1573.45595	AZS/C -19.0 -34.3 -17.7 -50.6 -38.3 -23.9 -5.4 -8.3 -17.7	AZN 6.8 6.1 2.9 4.7 6.8 8.8 11.9 7.9 3.9 3.9 3.9	SEC TO 652.  AZSUN -79.2 -80.3 -80.3 -81.1 -81.7 -82.4 -80.0 -77.6 -78.7	TAB NO IMPACT 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1 62.0 72.3 67.1 60.0	72 ALT 1397.46591 A* 70.29473 69.25543 66.22954 69.04671 11.12175 74.10240 71.94898 70.56140 68.02934 66.22954	ATI LA 0.896 0.925 0.998 0.971 0.922 0.854 0.854 0.855	AS PHOTO T	O NO 2-715 1NCD 69-5 62-1 56-7 61-1 65-8 66-9 68-6 63-5 58-9 57-6	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 47.8 53.2 53.0 53.1	R 32.92 EMIS 33.0 22.3 8.6 14.0 29.5 37.6 31.7 28.5	POD 5  V 1 2.078  AL PHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2	PTH -72.462  SCALE 0.11 198.86 134.63 143.00 146.18 167.36 155.05 144.10 152.67	AZ 116-1 PT 0 20 1 41 2 20 3 779 4 51 5 90 6 989 7 989 7 989 10	637 - PT - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 7
JULY 31,1'  TRAJECTUM  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.458 4 -8.224 5 -7-97 6 -12.755 7 -18.029 9 -18.001 10 -13.049 11 -8.458 12 -4.932	964 13 M RY DATA TA LON -18.679 -26.432 -31.365 -21.431 -20.435 -25.818 -30.822 -31.121 -31.365 -35.798	RANGE 1531.09167 1406.28592 1406.28592 1406.365808 1573.45599 1521.08826 1497.09124 1498.25865	AZS/C 140 -19.0 -34.3 -17.7 -56.0 -69.3 -23.9 -8.3 -17.7 -91.6	AZN 6.8 6.1 2.9 4.7 6.5 8.8 11.9 7.9 3.9 3.3 2.4	SEC TO 652.  AZSUN -79.2 -80.3 -81.1 -81.7 -82.4 -80.0 -77.6 -78.7 -80.3 -81.8	TAB NO IMPACT. 726  AZA 64-1 55-7 60-0 47-4 37-7 46-2 53-1 62-0 72-3 67-1 60-0 68-5	72 ALT 1397.46591 A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02934 66.22954 62.85688	ATI LA -4- 8/A 0.896 0.971 0.922 0.800 0.854 0.888 0.952 0.978	AS PHOTO  T	O NO 1NCD 69-5 62-1 56-7 61-1 65-8 66-9 68-6 63-5 58-9 57-6	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 47.8 53.2 53.0 53.1 58.8	R 32.92 EMIS 33.03 8.6 14.9 24.0 29.5 31.7 28.9 18.5 6.9	POD :  V 1 2.078  ALPHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2	PTH - 72.462  SCALE 0. 233.113 198.866 134.632 143.000 146.188 162.362 155.050 152.67	PT 0 20 1 141 2 20 3 779 4 51 5 190 6 89 7 7 32 8 8 9 9 9 9 9 9 9 9 7 7 0 11	637 - PT - 1 - 2 - 3 - 5 - 6 - 7 - 8 - 9 - 10
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.554 4 -8.224 5 -7.976 6 -12.755 7 -18.029 9 -18.001 11 -3.049 11 -3.458 12 -4.932 13 -4.677	RY DATA  LON -18-07 -26-432 -31-365 -26-432 -22-116 -21-431 -20-435 -35-822 -31-365 -35-796	R 14 MIN 56  RANGE 1531.09167 1457.26320 1406.28592 14667.09024 1503.65840 1573.45999 1521.08826 1499.30380 1438.25865 1499.30380 1438.25865	AZS/C -19.0 -34.3 -17.7 -56.0 -69.3 -38.3 -23.9 -5.4 -8.3 -17.7 -91.6	AZN 6.8 6.1 2.9 4.7 6.5 8.8 11.9 7.9 3.9 3.9 2.9 1.4	SEC TO 652.  AZSUN 79.2 -80.3 -80.3 -81.1 -81.7 -82.4 -80.0 -77.8 -78.7 -80.3 -81.6 -82.0	TAB NO IMPACT.726  AZA 64.1 55.7 60.0 47.4 97.7 46.2 53.1 62.0 72.3 67.1 60.0 68.5 51.5	72 ALT 1397.46591 A. 70.29473 69.25543 66.22954 69.04671 71.122175 74.10240 68.022934 66.22954 66.22954 66.388447	ATI LA 0.896 0.925 0.971 0.922 0.874 0.804 0.858 0.953 0.974 0.974	AS PHOTO  T	O NO 1NCD 69.5 62.1 56.7 61.1 65.8 66.9 68.6 53.5 57.6 55.7 52.0	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 42.4 47.8 53.0 53.1 58.6	R 32.92 833.03 22.33 8.69 24.05 37.67 28.95 8.69	POD :  V 1 2.078  AL PHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2 -6.8	PTH -72.462  SCALE 0. 133.111 198.866 114.032 143.000 146.181 162.362 155.056 144.107 152.677 139.233 170.837 128.49	AZ 116 PT 0 20 1 41 2 20 3 79 4 51 5 90 6 89 7 232 8 449 9 970 11	637 - PT - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8  - 9  - 10  - 11  - 12  - 13
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.458 4 -8.224 5 -7.97 6 -12.755 7 -18.029 8 -18.009 9 -18.081 10 -13.049 11 -8.458 12 -4.932 13 -4.677 14 -4.346	964 13 H  RY DATA  TA  LON -18.6079 -26.432 -31.365 -26.879 -22.116 -21.431 -20.435 -25.818 -30.822 -31.325 -35.786 -31.365 -27.177	RANGE 1531.09167 1406.28592 1406.28592 1406.28592 1407.09124 1503.65880 1573.45999 1521.08826 1499.30380 1498.28122 1403.04976	AZS/C -19.0 -34.3 -17.7 -56.0 -69.3 -50.6 -38.3 -23.9 -5.4 -8.3 -17.1' 91.6 -94.1	AZN 6.8 6.1 2.9 4.7 6.5 8.8 11.9 7.9 3.9 3.3 2.4	SEC TO 652.  AZSUN -79.2 -80.3 -81.1 -81.7 -82.4 -80.0 -77.6 -78.7 -80.3 -81.6 -82.0 -82.1	TAB NO IMPACT. 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1 62.0 72.3 67.1 60.0 68.5 51.5 37.8	72 ALT 1397.46591 A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02934 66.22954 62.85688	ATI LA -4. 8/A 0.896 0.972 0.971 0.854 0.854 0.854 0.952 0.974 0.854 0.952	AS PHOTO  T	O NO 2.715 1NCD 62.715 66.7 61.1 65.8 66.9 68.6 57.6 57.6 57.6 56.7 52.0 56.2 65.1	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 47.8 53.2 53.0 53.0 53.6 48.3 43.0	R 32.92 EMIS 33.0 22.3 24.0 29.5 31.7 28.9 18.5 8.9 2.6 12.3	POD :  V 1 2.0784  ALPHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2 -6.8 2.6 12.2 22.0	SEQUENCE  PTH -72.462  SCALE 0. 233.111 198.86( 134.632 143.000 146.181 162.36( 152.67( 139.231 170.831 170.831 170.832 170.832 170.832 170.832 170.832 170.832	AZ 116 PT 0 20 1 141 2 20 3 779 4 151 5 190 6 189 7 190 6 189 7 190 1 190 1	637 - PT - 1 - 2 - 3 - 5 - 7 - 8 - 10 - 11 - 12 - 12 - 13 - 14 - 15
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.554 4 -8.224 5 -7.976 6 -12.755 7 -18.029 9 -18.001 11 -3.049 11 -3.458 12 -4.932 13 -4.677	P66 13 H RY DATA  LON -18.679 -26.432 -31.365 -21.431 -20.435 -25.818 -30.822 -31.365 -35.798 -21.15 -21.15 -21.17 -21.27 -21.17	R 14 MIN 56  RANGE 1531.09167 1457.26320 1406.28592 14667.09024 1503.65840 1573.45999 1521.08826 1499.30380 1438.25865 1499.30380 1438.25865	AZS/C -19.0 -34.3 -17.7 -56.0 -89.3 -23.9 -5.4 -8.3 -17.7 91.6 -94.1 -90.9	AZN 6.8 6.1 2.9 4.7 6.5 8.8 11.9 7.9 3.9 3.9 3.9 2.9 1.4 2.6	SEC TO 652.  AZSUN -79.2 -80.3 -81.1 -81.7 -82.4 -80.0 -77.6 -78.7 -80.3 -81.6 -82.0 -82.1 -82.0 -82.1 -82.0 -82.1 -82.0	TAB NO IMPACT 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1 62.0 72.3 67.1 60.0 68.5 51.5 37.8 28.6 21.7	72 ALT 1397.46591 A• 70.29473 69.25543 66.22954 67.35348 69.04671 71.122175 74.10240 71.94898 70.56140 68.02934 62.85688 63.88447 66.18757 67.78852 70.09372	B/A 0.925 0.998 0.971 0.804 0.874 0.884 0.953 0.998 0.998 0.999 0.987	AS PHOTO  T	O NO 2-715 1NC D 69-5 62-1 56-7 61-1 65-8 66-9 68-6 63-5 55-7 52-6 60-5 60-5	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 47.8 53.2 53.0 53.1 53.6 48.3 43.0 37.9	R 32.92 EMIS 33.0 22.3 14.9 24.0 29.5 31.7 28.9 18.5 8.9 2.6 12.3	POD :  V 1 2.078  AL PHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2 -6.8 2.6 12.2 22.0 32.2	PTH -72.462 SCALE U. 233.113 198.86(114.612) 114.612 145.100(115.67) 146.181 162.36 144.100 152.67 139.23 170.83 128.49 132.34 140.34	AZ 116	637 - PT - 1 - 3 - 4 - 5 - 7 - 8 - 7 - 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.458 4 -8.224 5 -7.976 6 -12.755 7 -18.029 9 -18.081 10 -13.049 11 -8.458 12 -4.922 13 -4.922 13 -4.922 13 -4.932 16 -3.667 17 -7.705	P064 13 H RY DATA  1A  LON -18.679 -26.432 -31.366 -21.431 -20.435 -25.818 -30.822 -31.366 -35.792 -31.366 -35.792 -11.545 -17.175 -22.541 -17.452	RANGE 1531-09167 1406-28592 1406-28592 1423-9196 1503-65860 1573-45995 1521-08826 1499-30380 1498-25865 1406-28592 1493-25865 1406-28592 1493-35488	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -5.4 -8.3 -17.7 91.6 -94.1 -90.9 -90.5 -90.3	AZN 6.8 6.1 2.9 4.7 6.5 8.8 11.9 3.9 3.9 1.4 2.6 8.9 5.8	SEC TO 652.  AZSUN 79.2 -80.3 -81.1 -81.7 -82.4 -80.0 -77.6 -6.3 -81.1 -82.0 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -82.0 -81.6 -	TAB NO IMPACT 726  AZA 64-1 55-7 60-0 47-4 37-7 46-2 53-1 62-0 72-3 67-1 60-0 68-5 51-5 37-8 28-6 21-7 30-1	72  ALT 1397.46591  A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02934 66.22954 62.85648 63.88447 66.18757 67.78852 70.09372 71.49815	ATI LA 0.896 0.925 0.971 0.922 0.874 0.854 0.858 0.952 0.974 0.974 0.993 0.974 0.944	T L 833 - 32 MAZPHAZ - 93.4 M - 99.2 L - 85.6 L - 90.2 S - 90.2 S - 90.2 L - 81.6 L - 90.3 S - 90.2 L - 81.6 L	O NO 2.715 1NCD 69.5 62.1 56.7 61.1 65.8 66.9 68.6 58.9 57.6 56.2 60.5 65.1 70.1	72 31: 39-2 47-5 53-1 47-8 42-4 42-4 47-8 53-0 53-1 58-8 53-6 48-3 43-9 37-1	R 32.92 EMIS 32.33 8.63 14.9 29.5 37.6 31.7 28.5 8.6 6.2 32.3 32.7	POD :  V 1 2.0788 ALPHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 -6.8 2.6 12.2 22.0 32.2 33.8	PTH -72.462 SCALE 0. 233.113 198.866 144.63 143.000 144.10 152.67 139.23 170.83 173.92 1728.49 132.34 140.34 154.30	AZ 116 116 20 1 41 2 20 3 79 4 51 5 190 6 1832 8 149 9 392 10 1325 12 767 13 359 14 359 14	637 -PT - 2 - 3 - 5 - 6 - 7 8 - 9 9 1 1 1 1 2 2 2 1 3 3 1 4 4 1 5 5 5 1 7
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.524 5 -7.976 6 -12.755 7 -18.029 9 -18.081 10 -13.049 11 -8.458 12 -4.932 13 -4.677 14 -4.346 15 -4.048 16 -3.645 17 -7.705 18 -12.659	7864 13 H RY DATA  1A  LON -18.679 -26.432 -31.365 -26.879 -22.116 -20.435 -25.818 -30.822 -31.121 -31.365 -35.796 -31.546 -27.17 -22.541 -17.452 -16.865	R 14 MIN 56  RANGE 1531.09167 1457.26320 1406.28592 1463.91962 1463.9580 1593.6580 1593.6580 1499.30380 1438.25865 1499.30380 1438.25865 1499.30380 1438.25865 1499.30380 1531.5520.6850	AZS/C -19.0 -34.3 -17.7 -56.0 -69.3 -50.6 -38.3 -23.9 -5.4 -8.3 -17.7 -91.6 -94.1 -90.9 -90.9 -90.3 -75.3	AZN 6.8 6.1 2.9 6.8 8.8 11.9 7.9 3.3 2.4 2.6 8.8 4.8 5.8 8.1	SEC TO 652.  AZSUN -79.2 -80.3 -80.3 -81.1 -81.7 -82.4 -80.0 -77.6 -82.1 -82.0 -82.1 -82.1 -82.1 -82.1 -82.1 -83.2	TAB NO IMPACT 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1 62.0 72.3 60.0 68.5 51.5 37.8 21.7 30.1	72 ALT 1397.46591 A* 70.29473 69.25543 66.22954 69.04671 71.122175 74.10240 71.94898 70.56140 68.02934 66.22954 66.18757 67.78852 77.78852 77.78852 77.78852 77.78852	8/A 0.896 0.925 0.998 0.971 0.854 0.854 0.855 0.997 0.997 0.997 0.997 0.997	AS PHOTO  T	O NO 2.715 INC D 69-5 62-1 56-7 61-1 65-8 68-6 63-5 57-6 56-7 56-2 60-5 70-1 70-9	72 PHAZ 39-2 47-5 53-1 47-8 42-4 47-8 42-4 53-2 53-0 53-6 48-3 43-9 37-9 37-1 36-8	R 32.92 8.33.03 8.66 14.02 29.56 377 28.95 20.66 12.33 32.7 34.6	POD :  V 1 2.078  AL PHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2 -6.8 2.6 12.2 2.0 32.2 33.8	PTH -72.462  SCALE 0. 233.113 198.86 (134.63; 143.00) (146.18) (167.36; 143.00) (146.18) (167.36; 152.67; 130.23; 170.43; 128.43 (146.10)	AZ 116 PT 0 20 1 141 2 20 3 79 4 51 5 99 6 89 7 32 8 89 9 39 1 10 15 325 12 70 11 325 12 70 11 325 12 70 11 326 12 327 13 3359 14	637 - PT - 2 - 3 - 5 - 6 - 7 - 8 - 10 - 11 - 12 - 12 - 14 - 15 - 16 - 17 - 18 - 17 - 18 -
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 4 -8.224 5 -7.976 6 -12.755 7 -18.029 9 -18.081 10 -13.049 11 -8.458 12 -4.932 13 -4.677 14 -4.346 15 -4.048 16 -3.645 17 -7.705 18 -12.659	P64 13 H RY DATA  IA  LON -18.079 -26.432 -31.365 -46.879 -22.116 -21.431 -20.435 -25.818 -30.822 -31.121 -31.365 -27.177 -22.541 -17.452 -16.866 -15.866	RANGE 1531.09167 1406.28592 1406.28592 1406.28592 1406.28592 1407.09124 1503.65840 1573.45993 1493.03806 1406.28592 1493.03806 1406.28592 1493.03806 1406.28592 1506.28592	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -5.4 -8.3 -17.7 91.6 -94.1 -90.9 -90.3 -75.3 -60.3 -48.7	AZN 6.8 6.1 2.9 7.9 3.9 3.9 2.9 1.4 2.6 3.8 4.9 5.8 8.1 11.9	SEC TO 652.  AZSUN 79.2 -80.3 -80.3 -81.1 -81.7 -82.4 -80.0 -77.6 -78.7 -80.3 -81.9 -82.0 -82.1 -82.2 -85.3 -82.2 -85.3	TAB NO IMPACT 726  AZA 64-1 55-7 60-0 47-4 37-7 46-2 53-1 62-0 72-3 67-1 60-0 68-5 51-5 31-8 28-6 21-7 30-1 38-4 45-3	72  ALT 1397.46591  A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02934 66.22954 62.85648 63.88447 66.18757 67.78852 70.09372 71.49815	ATI LA 0.896 0.925 0.976 0.922 0.874 0.805 0.952 0.976 0.997 0.986 0.997 0.986 0.997 0.986 0.997 0.986 0.997 0.997 0.997 0.997 0.997 0.997 0.997 0.997 0.997 0.997	AS PHOTO  T	O NO 2.715 INC D 69.5 62.1 56.7 61.1 65.8 68.6 63.5 57.6 65.7 52.0 56.2 60.1 70.1 70.1 70.1	72 31: PHAZ 39.2 47.5 53.1 47.8 42.4 47.8 53.2 53.6 48.3 37.1 36.8 37.1 38.1	R 32.92 EMIS 33.0 22.3 8.6 9.5 24.0 29.5 31.7 28.9 2.6 6.9 2.6 2.3 32.7 38.6 45.8 45.8	POD :  V 1 2.078  AL PHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2 -6.8 2.6 12.2 23.3 33.8 5 34.2 33.1 34.2	PTH -72.462  SCALE U. 233.112 198.860 144.02 144.100 152.67 139.23 170.83 128.49 140.34 154.30 124.24 154.30 124.24 154.30	AZ 116 PT 0 20 1 441 2 20 3 79 4 551 > 590 6 89 7 182 8 844 9 897 10 182 10 182 10 183 17 183 10 183 17 183 17	637 - 1 - 2 - 3 - 5 - 7 - 8 - 10 - 11 - 12 3 - 14 - 13 3 - 14 - 17 - 18 - 17 - 18 - 17 - 18 - 17 - 18 - 17 - 18 - 19 - 10 - 11 - 1
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.524 5 -7.976 6 -12.755 7 -18.029 9 -18.081 10 -13.049 11 -8.458 12 -4.932 13 -4.677 14 -4.346 15 -4.048 16 -3.645 17 -7.705 18 -12.659	P64 13 H RY DATA  LON -18.679 -26.432 -31.365 -26.879 -22.11.431 -20.435 -25.818 -30.822 -31.365 -35.798 -31.545 -17.177 -22.541 -17.452 -18.866 -15.866 -14.336 -11.801	RANGE 1531.09167 1406.28592 1406.28592 1406.28592 1406.28592 1407.345995 1408.26825 1409.30380 1403.04976 1498.28122 1512.0406.28592 1403.04976 1598.28122 1503.65880	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -5.4 -8.3 -17.7 91.6 -94.1 -90.9 -90.5 -60.3 -60.3 -60.3 -60.3 -60.3 -60.3	AZN 6.84 6.17 6.85 6.17 6.58 8.8 11.9 7 3.9 3.2 .9 1.4 4.5 .8 8.1 11.4 15.9 16.8 11.5 .9 16.8 16.8 16.8 16.8 16.8 16.8 16.8 16.8	SEC TO 652.  AZSUN 79.2 2-80.3 -81.1 -81.7 -82.4 -80.0 -77.6 -78.7 -80.3 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0 -82.0 -81.6 -82.0	TAB NO  IMPACT 726  AZA 64-1 55-7 60-0 47-4 37-7 62-0 72-3 67-1 60-0 68-5 51-5 37-8 28-6 28-6 28-6 28-6 38-4 45-3 51-1 58-7	72  ALT 1397.46591  A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02934 66.22954 62.85688 63.88447 66.18757 66.18757 77.78852 70.09372 71.49815 73.86052 77.34516 82.72875 78.49854	ATI  LA  6/A  6/A  6/A  6/A  6/A  6/A  6/A	AS PHOTO  ### ### ### ### ### ### ### ### ### #	O NO ONO 1NCD 69-5 62-17 61-1 66-9 68-6 68-6 58-9 57-6 65-1 70-1 70-9 71-0	72 31. PHAZ 39.2 47.5 53.1 47.8 42.4 42.4 47.8 53.0 37.9 37.1 37.1 37.1 37.1 37.1 37.1	R 32-92 EMIS 33.0 22-3 8-9 24-0 31-7 28-9 5 8-6 6 12-3 32-7 34-1 32-7 34-1 45-8 45-8 45-8 45-8 45-8	POD 5  V 1 2.078  ALPHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2 2-6.8 2.7 3.2 2-2 3.3 8 34.5 33.8 34.5 33.1	PTH -72.462 SCALE 0. 233.11: 198.866.134.63; 143.00; 146.18! 167.36: 155.056; 144.10; 152.67: 139.23; 170.83; 128.49 132.34 154.30 124.24 152.98 172.98	AZ 116 Pf 0 20 1 441 2 20 3 779 4 551 5 51 5 51 5 90 6 832 8 849 9 9770 11 825 12 8767 13 8359 14 8310 15 8328 16 833 16 833 17 834 18 834 18 84 84 84 84 84 84 84 84 84 84 84 84 84	637 - 1 - 2 - 3 - 5 - 7 - 9 - 10 - 112 - 13 - 15 - 16 - 7 - 18 - 17 - 18 - 19 - 18 - 19 - 19 - 10 - 10 - 10 - 11 -
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.458 4 -8.224 5 -7.976 6 -12.755 7 -18.029 9 -18.081 1 -3.649 11 -8.458 12 -4.932 13 -4.677 14 -4.386 15 -4.048 16 -3.664 17 -7.705 18 -12.659 19 -18.175 20 -24.762 21 -24.191 22 -23.929	P864 13 H RY DATA  1A  LON  -18.679 -26.432 -31.365 -26.879 -22.116 -20.435 -25.818 -30.822 -31.126 -35.798 -27.17 -22.54 -17.45 -16.866 -15.866 -15.866 -11.801 -18.899 -24.922	R 14 MIN 56  RANGE 1531.09167 1406.28992 1423.91962 1466.28992 1466.36980 1573.45999 1521.08826 1496.28592 1493.0390 1498.25865 1406.28592 1493.0380 1498.25865 1406.28592 1406.28592 1406.28592 1406.28592	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -8.3 -17.7 -90.9 -90.3 -75.3 -60.3 -	AZN 8 6.8 6.8 11.9 7.9 3.9 3.9 3.2 2.6 3.8 8 11.4 2.6 3.8 11.4 2.6 8.1 11.4 11.4 16.8 10.8 10.8	SEC TO 652.  AZSUN 79.2 80.3 80.3 80.3 81.1 81.7 82.4 82.4 82.1 82.1 82.1 82.1 82.1 82.1 82.1 82.1	TAB NO IMPACT 726  AZA 64-1 55-7 60-0 47-4 37-7 46-2 53-1 62-0 72-3 67-1 60-0 68-5 51-5 37-8 28-6 21-7 308-4 45-3 53-1 58-7 67-0	72 ALT 1397.46591 A• 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02234 66.22954 66.22954 66.22954 70.78852 70.09372 71.34516 82.72875 78.49854	ATI LA 0.896 0.926 0.971 0.802 0.856 0.856 0.859 0.972 0.902 0.971 0.802 0.971 0.902 0.971 0.902 0.971 0.902 0.971 0.902 0.971 0.902 0.971 0.902 0.903	AS PHOTO  T	O NO 2-715 1NCD 69-5 62-1 56-7 61-1 65-8 66-9 68-9 68-9 68-9 75-9 72-3 74-3 77-4 71-0 65-5	72 31: 39.2 47.5 47.8 42.1 42.4 42.1 42.4 41.8 43.0 35.2 53.0 36.8 43.0 37.9 37.1 36.8 43.0 44.4 44.4 44.4 44.4 44.4 44.4 44.4	R 32.92 EMIS 33.0 22.3 8.6 6.9 24.0 24.0 31.7 28.9 24.0 22.3 34.1 38.6 42.3 34.1 38.6 47.1 42.5	POD 5  2 - 0788  ALPHA 29-5 12-9 3-2 13-1 23-3 23-5 22-3 11-2 -6-8 2-6-8 2-6-8 2-6-8 32-2 33-8 34-5 34-5 33-1 19-6 7-6	PTH -72.462  SCALE 0.  23.112 198.866 146.18 162.36 145.10 152.67 139.23 170.83	PT 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 3 7 - 1 2 - 2 3 - 4 5 - 6 6 - 7 7 - 8 9 - 10 10 11 12 11 3 - 11 3 - 11 4 7 - 11 7 - 11 9 - 12 1 7 - 14 1 9 - 17 1 1 9 -
JULY 31,1'  TRAJECTUM  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.458 4 -8.224 5 -7.976 6 -12.755 7 -18.029 9 -18.081 10 -13.049 11 -8.458 12 -4.932 13 -4.677 14 -4.346 15 -4.048 16 -3.645 17 -7.705 18 -12.659 19 -18.175 20 -24.762 21 -24.191 22 -23.929 23 -23.870	P64 13 H RY DATA  LON -18.679 -26.432 -31.365 -26.879 -22.116 -21.431 -20.4318 -30.822 -31.121 -31.365 -27.177 -22.541 -17.452 -16.866 -15.866 -15.866 -14.336 -11.801 -18.899 -24.92	RANGE 1531.09167 1406.28592 1406.28592 1406.28592 1406.28592 1407.09124 1503.65800 1573.45999 1521.08826 1493.03800 1493.03800 1493.03800 1493.03800 1493.03800 1493.03800 1593.38600 1593.38600 1604.80098 1803.41803 1604.80098	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -5.4 -8.3 -17.7 91.6 -94.1 -90.9 -90.5 -75.3 -60.1 -40.1 -30.3 -18.1	AZN 6.8 6.1 2.9 4.7 6.8 8.1 11.9 9 5.8 8.1 15.9 2.6 6.8 11.9 4.7 6.8 11.9 4.9 4.7 6.8 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11	SEC TO 652.  AZSUN 79-22 -80.3 -80.3 -81.1 -81.7 -82.0 -92.1 -82.0 -92.1 -82.0 -92.1 -82.0 -92.1 -82.0 -92.1 -82.0 -92.1 -82.0 -92.1 -82.0 -92.1 -82.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0 -92.1 -92.0	TAB NO  IMPACT 726  AZA 64-1 55-7 60-0 47-4 37-7 46-2 53-1 62-0 72-3 67-1 60-0 68-5 51-5 51-5 51-7 30-1 38-4 45-3 51-1 67-0 67-0	72  ALT 1397.46591  A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02934 66.22954 62.85648 63.88447 66.18757 67.78852 70.09372 71.49915 73.86052 77.34516 82.72875 78.49854 75.83141 74.17275	ATI LA 0.896 0.922 0.972 0.874 0.80 0.80 0.80 0.972 0.874 0.9	AS PHOTO  1	O NO ON 2-715 INCD 69-5 62-1 60-7 61-1 60-8 66-9 68-6 55-7 52-0 65-1 70-9 71-3 71-4 71-3 71-4 71-6 66-6 66-6 66-7 6	72 31: 39:2 53.1 47.8 47.8 442.1 42.4 42.1 42.4 43.8 53.2 53.1 55.8 37.1 38.3 37.1 38.3 37.1 38.3 37.1 38.3 37.1 38.3 37.1	R 32-92 EMIS 33.0 22-3 33.0 24.0 34-9 24.0 31-7 24.0 31-7 34-9 2.6 45.8 45.8 45.8 47-1 44.6	POD 5  2 - 0.78  ALPHA 29.5 12.9 3.2 13.1 23.3 23.5 22.3 11.2 0.6 2.7 3.2 2.6 8 2.6 2.7 3.2 3.8 34.2 3.8 38.8 38.8 38.8 38.8 38.8 38.8 38.	SEQUENCE  PTH -72.462  SCALE 0. 233.112 198.866.134.632 143.000 146.181 167.36 155.056 144.10 152.67 128.49 132.34 154.30 128.49 132.34 154.30 124.24 152.98 172.49 211.88 196.32 166.37 152.45	AZ 116  PT 0 20 1 441 2 25 12 67 13 189 7 732 8 9 192 10 770 11 439 9 192 10 770 11 117 189 14 117 189 189 189 189 189 189 189 189 189 189	637 - 1 2 - 3 - 4 5 - 6 6 - 7 8 - 10 11 - 12 8 - 11 10 - 12 11 - 12 13 - 13 14 - 14 15 - 17 18 -
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.584 4 -8.224 5 -7.976 6 -12.755 7 -18.029 9 -18.081 1 -8.458 11 -8.458 12 -4.932 13 -4.677 14 -4.346 15 -4.048 16 -3.645 17 -7.705 18 -12.659 19 -18.175 20 -24.762 21 -24.762 21 -23.976	P864 13 H RY DATA  LON -18.679 -26.432 -31.365 -21.18 -20.435 -25.818 -30.822 -31.365 -35.798 -11.800 -18.899 -24.93 -14.803 -18.899 -24.95 -35.717	RANGE 1531.09167 1406.28592 1406.28592 1423.91962 1463.65840 15573.45595 1521.08826 1493.0397 1438.25865 1406.28592 1493.0397 1498.25865 1406.28592 1493.3566 1581.04640 1583.8666 1581.04640 1581.04640 1583.6866	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -5.4 -8.3 -17.7 -90.9 -90.3 -75.3 -60.3 -40.1 -30.3 -18.1 -30.3	AZN 6.8 6.1 2.9 7.9 3.3 2.9 9.1.4 2.6 8.8 8.1 11.9 12.8 11.9 12.8 11.9 12.8 11.9 12.8 11.9 12.8 11.9 12.8 11.9 12.8 11.9 12.8 11.9 12.8 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11	SEC TO 652.  AZSUN 79.2 80.3 80.3 80.3 81.1 81.7 82.0 92.0 92.1 82.0 92.1 82.1 82.0 82.1 82.0 82.1 83.2 84.3 84.3 84.3 84.3 85.7 72.2 73.8	TAB NO IMPACT 726  AZA 64-1 55-7 60-0 47-4 37-7 46-2 53-1 62-0 72-3 67-1 60-0 68-5 51-5 51-7 37-8 28-6 21-7 38-4 45-3 86-7 76-3	72 ALT 1397.46591 A• 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02234 66.22954 66.22954 66.22954 70.78852 70.09372 71.34516 82.72875 78.49854	ATI LA 8/A C.894 0.925 0.972 0.871 0.801 0.987 0.856 0.974 0.992 0.974 0.8791 0.8	AS PHOTO  T	O NO ONO INCD INCD 69.5 62.1 56.7 61.1 65.8 66.9 68.6 63.5 65.7 70.1 70.1 70.1 70.3 77.4 71.6 65.5 65.5 65.5 65.5 65.5 65.5 65.5 6	72 31: 39:2 53.1 47.8 47.8 442.1 42.4 42.1 42.4 43.8 53.2 53.1 55.8 37.1 38.3 37.1 38.3 37.1 38.3 37.1 38.3 37.1 38.3 37.1	R 32.92 33.0 22.3 35.0 22.3 31.0 29.5 31.0 29.5 31.2 31.7 34.1 32.7 34.1 34.6 47.1 42.5	POD 5  2.078  ALPHA 29.5 12.9 3.2 13.1 23.3 11.2 0.6 2.7 3.2 -6.8 2.6 12.2 22.0 33.8 34.2 22.0 33.8 34.2 19.6 7.6 7.6 -1.4 37.6 -1.4 37.6 -1.4 37.6	PTH -72.462 SCALE 0. 233.113 198.866 134.633 143.000 146.18 162.36 144.00 155.05 144.10 152.07 139.23 170.43	AZ 116 PT 116	637 - 1 2 - 3 - 4 5 - 6 7 - 7 8 - 10 6 - 11 1 - 12 3 - 14 5 - 17 7 - 18 9 - 10 1 - 12 3 - 14 5 - 17 7 - 18 9 - 10 2 - 17 7 - 18 9 - 10 2 -
JULY 31,1'  TRAJECTUM  PHOTO DA  PT LAT 1 -11.537 2 -12.887 3 -8.458 4 -8.224 5 -7.976 6 -12.755 7 -18.029 9 -18.081 10 -13.049 11 -8.458 12 -4.932 13 -4.677 14 -4.346 15 -4.048 16 -3.645 17 -7.705 18 -12.659 19 -18.175 20 -24.762 21 -24.191 22 -23.929 23 -23.870	P64 13 H RY DATA  LON -18.679 -26.432 -31.365 -26.879 -22.1116 -21.431 -20.433 -25.818 -30.822 -31.121 -31.365 -27.177 -22.541 -17.452 -16.866 -15.866 -15.866 -14.336 -11.801 -18.897 -24.92 -25.71 -35.71	RANGE 1531.09167 1406.28592 1406.28592 1406.28592 1406.28592 1407.09124 1503.65800 1573.45999 1521.08826 1493.03800 1493.03800 1493.03800 1493.03800 1493.03800 1493.03800 1593.38600 1593.38600 1604.80098 1803.41803 1604.80098	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -5.4 -8.3 -17.7 91.6 -94.1 -90.9 -90.5 -60.3 -75.3 -60.3 -18.1 -40.0 10.6	AZN 6.8 6.1 2.9 4.7 6.8 8.1 11.9 9 5.8 8.1 15.9 2.6 6.8 11.9 4.7 6.8 11.9 4.9 4.7 6.8 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11	SEC TO 652.  AZSUN 79.2 2 80.3 80.3 81.1 81.7 82.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 9	TAB NO  IMPACT 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1 62.0 72.3 67.1 60.0 68.5 51.5 51.7 67.0 76.3 86.4 45.3 51.1 58.7 67.0 76.3	72  ALT 1397.46591  A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02934 66.22954 66.22954 66.22954 66.18757 76.78852 70.09372 71.49815 73.86052 71.49815 73.84516 82.72875 78.49854 74.7852 77.34516 82.72875 78.49854 74.77275 78.79378	ATILLA AT	AS PHOTO  T	O NO ONO ON	72 31. 39.2 47.5 53.1 42.4 47.8 42.4 47.8 42.4 47.8 53.0 35.8 33.0 33.1 36.8 37.1 36.8 37.1 36.8 36.8 37.1 36.8 36.8 37.1 36.8 36.8 37.1 36.8 37.1 36.8 37.1 36.8 37.1 36.8 37.1 37.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38	R 32-92 33-0 22-3 33-0 22-3 31-7 28-9 18-5 29-5 8-6 6-9 22-3 34-1 12-3 34-1 140-6 14	POD 5  2-078  ALPHA 29-5 12-9 3-12-9 13-1 23-3 23-5 22-3 11-2 0-6 2-7 3-2 -6-8 12-2 22-0 32-8 34-5 34-5 5-7-3-5 5-7-7-7	PTH -72.462 SCALE 0. 233.11 190.864 1146.03 143.000 144.10 152.67 139.23 170.43 170.43 170.43 170.43 170.43 170.43 170.43 170.43 170.43 170.43 170.43 170.43	AZ 116 PT 0 20 1 2412 3 37.9 4 49 99 10 6 7832 8 892 10 10 10 10 10 10 10 10 10 10 10 10 10	6 3 7 - P 1 - 2 - 3 - 5 - 7 - 8 - 10 - 12 - 13 - 14 - 12 - 13 - 14 - 1
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 4 -8.224 5 -7.976 6 -12.755 6 -12.755 9 -18.009 9 -18.081 10 -13.049 11 -8.458 12 -4.932 13 -4.677 14 -4.346 15 -4.098 16 -3.645 17 -7.705 18 -12.65	P864 13 H RY DATA  LON -18.679 -26.432 -31.365 -22.116 -21.431 -22.451 -30.422 -31.365 -25.71 -22.541 -11.491 -21.491 -35.795 -35.71 -35.566	RANGE  1531.09167 1406.28592 1406.28592 1406.28592 1406.365808 1573.45999 1521.08826 15403.05980 1438.25865 1400.245923 1403.04976 15183.68606 1646.86098 1583.68666 1664.80098 1598.58846 1602.45233 1598.58864 1602.43231 1598.58864	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -5.4 -8.3 -17.7 91.6 -94.1 -90.9 -90.5 -75.3 -60.3 -40.1 -30.3 -18.1 -4.0 -10.6 -4.0 -10.6 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0	AZN 6.8 6.1 2.9 7.9 7.9 3.3 3.3 2.6 8.1 11.9 2.6 8.1 11.9 2.6 8.1 11.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4	SEC TO 652.  AZSUN 79-22 80.3 81.1 81.7 82.4 80.0 97.6 82.0 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2	TAB NO  IMPACT 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1 60.0 68.5 37.8 28.6 21.7 30.1 38.6 21.7 30.1 38.6 21.7 30.1 38.7 67.0 83.6 80.3	72  ALT 1397.46591  A.* 70.29473 69.25543 66.22954 67.35348 69.06671 71.12175 74.10240 68.02934 66.22954 62.85648 63.88447 66.18757 67.78852 71.49815 77.34516 82.72875 78.49854 75.83141 74.17275 73.29475 69.79178 67.33135	ATILLA LA	AS PHOTO  1	O NO -715 -1NCD 69-5 -61-1 65-8 -63-9 -68-6 -63-9 -75-6 -75-7 -70-9 -71-0 -70-9 -71-0 -70-9 -71-0 -70-9 -71-0 -70-9 -71-0 -70-9 -71-0 -71-	72 31: 39-2 47-5 53-1 47-8 42-1 42-1 42-1 42-1 43-3 37-1 36-8 37-1 36-8 37-1 36-8 37-1 36-8 37-1 36-8 37-1 36-8 37-1 36-8 37-8 37-8 37-8 38-8 38-8 38-8 38-8 38	R 32-92 EMIS 33.0 8.6 14-9 24-0 31-7 28-9 31-7 8.6 6-9 2.6 31-7 38-6 45-6 40-6 40-6 40-6 40-6 40-6 40-6 40-6 40	POD 5  2 - 0 7 8  2 - 0 7 8  2 - 0 5  12 - 9  3 - 2 2  13 - 1  2 3 - 3  2 3 - 5  2 2 - 0  3 2 2 - 0  3 2 2 - 0  3 2 3 - 0  2 - 6 - 8  2 6  1 2 - 2  3 3 4 - 2  3 3 4 - 2  3 3 4 - 2  3 3 4 - 2  3 3 4 - 2  3 3 5 - 1  4 6 7 - 6  5 7 - 7 - 7  5 7 - 7  5 7	PTH - 72.462  SCALE 0. 233.113 198.86 (134.63) 143.000 (146.18) 162.36 (152.67 139.23) 170.83 (176.87 128.49 132.34 140.34 154.30 (124.24 121.88 176.29 121.88 (176.32 156.87 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 176.49 (211.88 176.47 176.49 (211.88 176.49	AZ 116 PT 220 3 141 22 20 3 7.79 4 190 20 11 20 3 20 8 190 6 6 8 190 6 7 19 19 19 19 19 19 19 19 19 19 19 19 19	6 3 7 - P 1 - 2 - 3 - 5 - 7 - 8 - 10 - 12 - 11 - 12 - 13 - 15 - 17 - 18 - 17 - 18 - 17 - 18 - 19 - 10 - 12 - 17 - 18 - 19 - 19 - 10 - 1
JULY 31,1'  TRAJECTUI  PHOTO DA  PT LAT 1 -11.537 2 -12.887 4 -8.224 5 -7.976 6 -12.755 6 -12.755 9 -18.009 9 -18.081 10 -13.049 11 -8.458 12 -4.932 13 -4.677 14 -4.346 15 -4.098 16 -3.645 17 -7.705 18 -12.65	P864 13 H RY DATA  LON -18.679 -26.432 -31.365 -22.116 -21.431 -22.451 -30.422 -31.365 -25.71 -22.541 -11.491 -21.491 -35.795 -35.71 -35.566	RANGE 1531.09167 1406.28592 1406.28592 1406.38592 1406.38592 1406.38592 1403.45980 1573.45993 1521.08826 1409.30380 1408.25865 1406.28592 1493.25865 1406.28592 1493.35488 1581.04640 1583.6866 1581.04640 1583.6866 1581.04640 1583.6866 1581.04640 1583.6868 1581.04640 1583.6866 1583.6866 1583.6866 1583.6866 1583.6866 1583.6866 1583.6866 1583.6866 1583.6866	AZS/C -19.0 -34.3 -17.7 -56.0 -38.3 -23.9 -5.4 -8.3 -17.7 91.6 -94.1 -90.9 -90.5 -75.3 -60.3 -40.1 -30.3 -18.1 -4.0 -10.6 -4.0 -10.6 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0	AZN 6.8 6.1 2.9 4.7 6.5 8.8 8.11.9 7.9 3.3 2.9 9 3.4 4.9 5.2 6.8 11.4 41.4 11.4 41.0 11.4 11.4 11.4 11.4	SEC TO 652.  AZSUN 79-22 80.3 81.1 81.7 82.4 86.0 97.6 82.0 98.2 98.2 98.2 98.2 98.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 8	TAB NO  IMPACT 726  AZA 64.1 55.7 60.0 47.4 37.7 46.2 53.1 60.0 68.5 37.8 28.6 21.7 30.1 38.6 21.7 30.1 38.6 21.7 30.1 38.7 67.0 83.6 80.3	72  ALT 1397.46591  A* 70.29473 69.25543 66.22954 67.35348 69.04671 71.12175 74.10240 68.02934 66.22954 66.22954 66.22954 66.18757 76.78852 70.09372 71.49815 73.86052 71.49815 73.84516 82.72875 78.49854 74.7852 77.34516 82.72875 78.49854 74.77275 78.79378	ATILLA LA	AS PHOTO  1	O NO -715 -1NCD 69-5 -61-1 65-8 -63-9 -68-6 -63-9 -75-6 -75-7 -70-9 -71-0 -70-9 -71-0 -70-9 -71-0 -70-9 -71-0 -70-9 -71-0 -70-9 -71-0 -71-	72 31: 39-2 47-5 53-1 47-8 42-1 42-1 42-1 42-1 43-3 37-1 36-8 37-1 36-8 37-1 36-8 37-1 36-8 37-1 36-8 37-1 36-8 37-1 36-8 37-8 37-8 37-8 38-8 38-8 38-8 38-8 38	R 32-92 EMIS 33.0 8.6 14-9 24-0 31-7 28-9 31-7 8.6 6-9 2.6 31-7 38-6 45-6 40-6 40-6 40-6 40-6 40-6 40-6 40-6 40	POD 5  2 - 0 7 8  2 - 0 7 8  2 - 0 5  12 - 9  3 - 2 2  13 - 1  2 3 - 3  2 3 - 5  2 2 - 0  3 2 2 - 0  3 2 2 - 0  3 2 3 - 0  2 - 6 - 8  2 6  1 2 - 2  3 3 4 - 2  3 3 4 - 2  3 3 4 - 2  3 3 4 - 2  3 3 4 - 2  3 3 5 - 1  4 6 7 - 6  5 7 - 7 - 7  5 7 - 7  5 7	PTH - 72.462  SCALE 0. 233.113 198.86 (134.63) 143.000 (146.18) 162.36 (152.67 139.23) 170.83 (176.87 128.49 132.34 140.34 154.30 (124.24 121.88 176.29 121.88 (176.32 156.87 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.32 156.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 173.49 (211.88 176.47 176.49 (211.88 176.47 176.49 (211.88 176.49	AZ 116 PT 220 3 141 22 20 3 7.79 4 190 20 11 20 3 20 8 190 6 6 8 190 6 7 19 19 19 19 19 19 19 19 19 19 19 19 19	6 3 7 - P 1 - 2 - 3 - 5 - 7 - 8 - 10 - 12 - 11 - 12 - 13 - 15 - 17 - 18 - 17 - 18 - 17 - 18 - 19 - 10 - 12 - 17 - 18 - 19 - 19 - 10 - 1

R∆-VI	1	CAMERA	F.A

JULY 31,19	64 13 H	R 15 MIN 1	SEC 194	MS 4		TAB NO	73	ATL	AS PHOT	O NO	73	POD :	SEQUENCE NO 152
TRAJECTOR						IMPACT	ALT 1387.31628	LA		LON 2 - 663	R 3122 77	V	PTH AZ -72.423 116.630
PHOTO DATA											2122.11	2.000	-12.423 110.030
PT LAT	LON	RANGE	AZS/C		AZSUN	AZA	A =	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE PT-PT
1 -11.528	-18.698	1520.10222	-19.2	6.8		63.9	69.80140	0.896	-93.4	69.4	39.2 32.9	29.5	0. 0-1
3 -8-482	-20.373	1447.07817 1396.22330	-34.4	6.1		55.6	68.77140				47.5 22.3	13.0	230.87893 1- 2
4 +8.250	-26.819	1413.91788	-56.0	2.9 4.8		59.8 47.4	65.75567				53.1 8.7	3.3	197.51380 2- 3
5 -8.004	-22-088	1456.91145	-69.3	6.5		37.8	66.88030				47.7 15.0		133.70170 3- 4
		1493.28140	-50.6	8-8		46.2	68.56746 70.63090		-84.6 -90.3		42-4 24-1		142.04554 4- 5
7 -17.986	-20-417	1562.54866	-38.4	11.9		53.0	73.58857				42.1 29.5 42.4 37.6	23.5	145-18304 5- 6
8 ~17.965	-25.763	1510.41362	-24.0	8.0	-80.0	61.9	71.44397		-95.3		47.8 31.7	11.3	161.21791 6- 7 154.01208 7- 8
		1488.56792		3.9	-77.6		70.05594				53.2 28.9	0.7	143.11298 8- 9
10 -13.041	-31.030	1428.00940	-8.6	3.3	-78.8	66.9	67.54455	0.953		57.7	53.0 18.5	2.8	151.56589 9-10
11 -8.482	-31.274	1396.22330			-80.3		65.75567		-85.6	56.B	53.1 8.7	3.3	138-25367 10-11
12 -4.983 13 -4.728	-35.676	1392.67683	91.1	1.4	-81.6		62.37603		-82.2	52.1	58.8 6.8	-6.7	169.60269 11-12
14 -4.438	-31.458	1388.18388	-92.7	2.7	-82.0		63.42768				53.6 2.7	2.7	127.54519 12-13
15 -4.103	~27 617	1447.13477	-90.6	3.8 4.9		37.9	65.71775				48.3 12.4	12.2	131.42330 13-14
	-17.457		-90.2	5.8	-81.6	28.7	67.31264	0.944	-80.0		43.0 22.3		139.39316 14-15
17 -7.734	-16.872	1530.39972	-75-2	8.1		30.2	69.60324 71.00385				37.9 32.7		153.24008 15-16
18 -12.655	-15.879	1572.79550	-60.3		-83.2	38.4	73.35259		-84.2 -90.3		37.1 34.1 36.8 38.6		123.39172 16-17
19 -18.132	-14.362	1653.25691	-48.7	15.9	-85.3	45.2	76.80905		-96.4		37.1 45.7	34.3	151.94668 17-18 171.70222 18-19
20 -24.665	-11.856	1790.47415	-40.1	22.7	-89.2		82.13517			77.4	38.1 55.3	33 1	210.10923 19-20
21 -24.101				16.8	-84.3	58.6	77.94156						194.83420 20-21
		1014.01295	18.2	10.9	~80 . A	66.9	75.28858				48.5 42.4		165.72662 21-22
		1586.91896	-4.2		-77.3		73.63073		-99.4	60.7	55.8 40.0	٠٠٠-	151.37458 22 23
24 -23.881			10.4	-1.1	-73.9	86.0	72.74249		-98.7	56.1	58.9 40.3	-14.1	145.37516 23-24
25 -18.18/ 26 -13.230	- 35 - 530	1493.10643		-0.2	-75.1		69.27771		-94.5	54.5	58.5 29.5		172.48622 24-25
27 ~8.707	- 45 500	1407 10073	20.9 39.6	0.5	-77.0 -79.3	80.0 73.1	66.83899		-90.2		58.3 19.6	-7.2	150.14514 25-26
28 -4.983	-35-676	1392.67683	91.1	1.4	-81.6		64.82415				58.4 10.8	-6.4	137.00704 26-27
	3200.0	1372101003	/***	4.7	01.0	00.0	62.37603	0.9/4	-82.2	52.1	58.8 6.8	-6.7	112.82130 27-28
IIII V 31-104						TAB NO	74	ATL	AS PHOT	O NO	74	DOD C	COULDED NO. 154
31,170	54 13 HF	R 15 MIN 6	SEC 314	MS			/-	715		0 110	′-	FOD S	SEQUENCE NO 154
TRAJECTURY		R 15 MIN 6	SEC 314		SEC TO	IMPACT	ALT	LA	T (	LON	R	٧	PTH AZ
TRAJECTURY	DATA	R 15 MIN 6	SEC 314		SEC TO			LA	T (	LON	R	٧	-
TRAJECTURY	r DATA				SEC TO 642	IMPACT	ALT 1377.15671	LA:	T (	LON 2.610	R 3112.612	v 2 2 • 0 8 3	PTH AZ -72.384 116.623
TRAJECTURY	Y DATA 1 Lon	RANGE	SEC 314	AZN	SEC TO 642	IMPACI 486	ALT 1377.15671 A+	LA: -4.: B/A	T   886 -3: AZPHAZ	LON 2.610 INCD	R 3112.61; PHAZ EMIS	V 2.083	PTH AZ -72.384 116.623 SCALE PT-PT
TRAJECTORY PHOTO DATA PT LAT 1 -11-518 2 -12-874	LON -18.717	RANGE 1509-10034 1436-88010	AZS/C		SEC TO 642	IMPACT .486 AZA 63.7	ALT 1377.15671 A* 69.30746	LA: -4-: B/A 0.896	T   886 -3; AZPHAZ -93.4	LON 2.610 INCD 69.4	R 3112.612 PHAZ EMIS 39.2 32.9	V 2 2.083 ALPHA 29.4	PTH AZ -72.384 116.623 SCALE PT-PT 0. 0-1
TRAJECTURY PHOTO DATA PT LAT 1 -11.518 2 -12.874 3 -8.507	LON -18.717 -26.315 -31.184	RANGE 1509-10034 1436-88010 1386-15170	AZS/C -19.4 -34.5 -18.7	NZA 8.6	SEC TO 642 AZSUN -79.2	IMPACT •486 AZA 63•7 55•5	ALT 1377.15671 A+	LA: -4.: B/A 0.896 0.925	T   886 -3; AZPHAZ -93.4 -90.2	LON 2.610 INCD 69.4 62.2	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4	V 2.083 ALPHA 29.4 13.1	PTH AZ -72.384 116.623 SCALE PT-PT 0. 0-1 228.64801 1-2
TRAJECTURY PHUTD DATA PT LAT 1 -11.518 2 -12.874 3 -8.507 4 -8.276	LON -18.717 -26.315 -31.184 -26.759	RANGE 1509-10034 1436-88010 1386-15170 1403-90433	AZS/C ~19.4 ~34.5 ~18.7 ~56.1	AZN 6.8 6.1 2.9 4.8	SEC TO 642 AZSUN -79-2 -80-3 -80-3	AZA 63.7 55.5 59.5 47.3	ALT 1377.15671 A* 69.30746 68.28675 65.28138 66.40657	LA -4.: B/A 0.896 0.925 0.997 0.970	T   1886 -3; AZPHAZ -93.4 -90.2 -85.6 -85.2	LON 2.610 INCD 69.4 62.2 56.9 61.2	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4 53-1 8-8 47-7 15-1	V 2.083 ALPHA 29.4 13.1 3.4	PTH AZ -72.384 116.623 SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3
TRAJECTURY PHOTO DATA PT LAT 1 -11.518 2 -12.874 3 -8.507 4 -8.276 5 -8.031	LON -18.717 -26.315 -31.184 -26.759 -22.060	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844	AZS/C ~19.4 ~34.5 ~18.7 ~56.1 ~69.2	AZN 6.8 6.1 2.9 4.8 6.5	SEC TO 642. AZSUN -79.2 -80.3 -80.3 -81.1	IMPACT -486 AZA 63.7 55.5 59.5 47.3 37.8	ALT 1377.15671 A* 69.30746 68.28675 65.28138 66.40657 68.08753	LA -4.: B/A 0.896 0.925 0.997 0.970	AZPHAZ -93.4 -90.2 -85.6 -85.2	LON 2.610 INCD 69.4 62.2 56.9 61.2 65.8	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4 53-1 8-8 47-7 15-1 42-4 24-1	V 2.083 ALPHA 29.4 13.1 3.4	PTH AZ -72.384 116.623 SCALE PT-PT 0. 0-1 228.64801 1-2
TRAJECTURY PHOTO DATA PT LAT 1 -11.518 2 -12.874 3 -8.507 4 -8.276 5 -8.031 6 -12.744	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381	RANGE 1509-10034 1436-88010 1386-15170 1403-90433 1446-71844 1482-88837	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 -50.6	AZN 6.8 6.1 2.9 4.8 6.5 8.8	SEC TO 642. AZSUN -79.2 -80.3 -80.3 -81.1 -81.7	IMPACT .486 AZA 63.7 55.5 59.5 47.3 37.8 46.1	ALT 1377.15671 A* 69.30746 68.28675 65.28138 66.40657 68.08753 70.13932	LA: -4.: B/A 0.896 0.925 0.997 0.970 0.971	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3	LON 2.610 INCD 69.4 62.2 56.9 61.2 65.8 67.0	R 3112.613 PHAZ EMIS 39.2 32.9 47.5 22.4 53.1 8.8 47.7 15.1 42.4 24.1 42.1 29.5	V 2.083 ALPHA 29.4 13.1 3.4 13.2 23.3 23.6	PTH AZ -72-384 116-623  SCALE PT-PT 0. 0-1 228-64801 1-2 196-16501 2-3 132-77015 3-4 141-08246 4-5 144-18283 5-6
TRAJECTURY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8-507 4 -8-276 5 -8-031 6 -12-744 7 -17-943	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117	AZS/C +19.4 -34.5 -18.7 -56.1 -69.2 +50.6	AZN 6.8 6.1 2.9 4.8 6.5 8.8	SEC TO 642.  AZSUN -79.2 -80.3 -80.3 -81.1 -81.7 -81.7	IMPACT .486 AZA 63.7 55.5 59.5 47.3 37.8 46.1 52.9	ALT 1377.15671 A• 69.30746 68.28675 65.28138 66.40657 68.08753 70.13932 73.07398	LA -4.: 8/A 0.896 0.925 0.997 0.970 0.921 0.874 0.800	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	LON 2.610 INCD 69.4 62.2 56.9 61.8 67.0 68.6	R 3112.612 PHAZ EMIS 39.2 32.9 47.5 22.4 53.1 8.8 47.7 15.1 42.4 24.1 42.1 29.5 42.4 37.6	V 2.083 ALPHA 29.4 13.1 3.4 13.2 23.3 23.6 22.4	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7
TRAJECTURY PHOTO DATA PT LAT 1 -11.518 2 -12.074 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17.943 8 -17.942	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -25.708	RANGE 1509-10034 1436-88010 1386-15170 1403-90433 1446-71844 1482-88837 1551-62117 1499-72562	AZS/C +19.4 -34.5 -18.7 -56.1 -69.2 +50.6 -38.4 -24.1	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9	SEC TO 642.  AZSUN -79-2 -80-3 -80-3 -81-1 -81-7 -81-7 -82-4 -80-0	IMPACT -486 AZA 63.7 59.5 47.3 37.8 46.1 52.9 61.7	ALT 1377.15671 A* 69.30746 68.28675 65.28138 66.40657 68.08753 70.13932 73.07398 70.93834	LA -4.1 B/A 0.896 0.925 0.970 0.971 0.974 0.874 0.800	7 886 -3: AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3	INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4 53-1 8-8 47-7 15-1 42-4 24-1 42-1 29-5 42-4 37-6 47-8 31-7	V 2 2.083 AL PHA 29.4 13.1 3.4 13.2 23.3 23.6 22.4 11.4	PTH AZ -72.384 110.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8
TRAJECTURY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8-507 4 -8-276 5 -8-031 6 -12-744 7 -17-943 8 -17-922 9 -17-991	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -25.708 -30.640	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.7256 1477.82220	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 +50.6 -38.4 -24.1	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0	SEC TO 642.  AZSUN -79.2 -80.3 -81.1 -81.7 -81.7 -82.4 -80.4 -77.7	IMPACT .486 AZA 63.7 55.5 57.3 37.8 46.1 52.9 61.7 71.8	ALT 1377.15671 A* 69.30746 68.28675 65.28138 66.40657 68.08753 70.13932 73.07398 70.93834 69.55003	LA -4.1 B/A 0.896 0.925 0.970 0.971 0.874 0.800 0.854	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -95.8	INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0	R 3112.612 PHAZ EMIS 39.2 32.9 47.5 22.4 53.1 8.8 47.7 15.1 42.4 24.1 42.1 29.5 42.4 37.6 47.8 31.7	V 2 2.083 ALPHA 29.4 13.1 3.4 13.2 23.3 23.6 22.4 11.4 0.8	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9
TRAJECTURY PHOTO DATA PT LAT 1 -11.518 2 -12.874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17.943 8 -17.922 9 -17.991 10 -13.032	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -25.708 -30.640	RANGE 1509-10034 1436-88010 1386-15170 1403-90433 1446-71844 1482-88837 1551-62117 1499-72562 1477-82220 1417-75021	AZS/C -19.4 -34.5 -18.7 -56.1 -59.2 +50.6 -38.4 -24.1 -58.9	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0	SEC TO 642  AZSUN -79-2 -80-3 -80-3 -81-1 -81-7 -82-4 -80-0 -77-88-8	IMPACT .486 AZA 63.7 55.5 59.5 47.3 37.8 46.1 52.9 61.7 71.8 66.6	ALT 1377-15671 69-30746 68-28675 65-28138 66-40657 70-13932 73-07398 70-93834 69-55003 67-05929	B/A 0.896 0.925 0.997 0.970 0.921 0.874 0.80 0.854 0.884 0.885	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8	INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4 53-1 8-8 47-7 15-1 42-1 29-5 42-4 37-6 47-8 31-7 53-2 28-9 53-0 18-5	V 2.083 ALPHA 29.4 13.1 3.4 23.3 23.6 22.4 11.6	PTH AZ -72-384 116-623  SCALE PT-PT 0. 0-1 228-64801 1-2 196-16501 2-3 132-77015 3-4 141-08266 4-5 144-18283 5-6 160.07036 6-7 152-97114 7-8 142-12234 8-9 150.45363 9-10
TRAJECTURY PHOTO DATA PT LAT 1 -11.518 2 -12.874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17.943 8 -17.922 9 -17.991 10 -13.032 11 -8.507 12 -5.033	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -25.708 -30.640 -30.639 -31.184	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.7256 1477.82220	AZS/C -19.4 -34.5 -18.7 -56.1 -59.2 +50.6 -38.4 -24.1 -58.9	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0 4.0	SEC TO 642 AZSUN -79.2 -80.3 -80.3 -81.1 -81.7 -82.4 -80.0 -77.7 -78.8	IMPACT. 486  AZA 63.7 55.5 59.5 47.3 37.8 46.1 771.8 66.6 59.5	ALT 1377.15671 69.30746 68.28675 65.28138 66.40657 70.13932 73.07398 70.93834 69.55003 67.05929	B/A 0.896 0.925 0.997 0.921 0.874 0.800 0.854 0.884 0.953	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -95.8 -95.3 -94.8 -90.2 -85.6	INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0 57.8	R 3112-61: PHAZ EMIS 39-2 32-9 47-5 22-4 47-5 22-4 47-7 15-1 42-4 24-1 42-1 29-5 42-4 37-6 47-8 31-7 53-2 28-9 53-0 18-5 53-1 8-8	V 2.083 ALPHA 29.4 13.4 13.2 23.3 23.6 22.4 11.4 0.8 2.9 3.4	PTH AZ -72-384 116-623  SCALE PT-PT 0. 0-1 228-64801 1-2 196-16501 2-3 132-77015 3-4 141-08246 4-5 144-18283 5-6 160.07036 6-7 152-97114 7-8 142-12234 8-9 150-45363 9-10 137-26737 10-11
TRAJECTURY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12-744 7 -17-943 9 -17-991 10 -13.032 11 -8.507 12 -5.033 13 -4.779	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -25.708 -30.640 -30.939 -31.184 -35.554	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 1477.82220 1417.75021 1386.15170 1382.30006	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 -50.6 -38.4 -24.1 -5.8 -18.7	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0	SEC TO 642.  AZSUN -79-2 -80-3 -80-3 -81-1 -81-7 -82-4 -80-0 -77-7 -78-8 -80-3 -81-6 -80-3 -80-3 -81-6 -80-3	IMPACT 486 AZA 63.7 55.5 59.5 47.3 46.1 52.9 61.7 71.8 66.6 59.5 67.6	ALT 1377.15671 A* 69.30746 68.28675 65.28138 66.40657 68.08753 70.13932 73.07398 70.93834 69.55003 67.05929 65.28138 61.89563	B/A 0.896 0.925 0.997 0.970 0.874 0.800 0.854 0.884 0.957 0.977	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -90.3 -94.8 -90.2 -85.6	INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0 57.8 56.9	R 3112-61; PHAZ EMIS 39-2 32-9 47-5 22-4 53-1 8-8 47-7 15-1 42-1 29-5 42-4 37-6 47-8 31-7 53-2 28-9 53-1 8-8 53-1 8-8 6-6	V 2.083 ALPHA 29.4 13.1 3.4 13.2 23.3 23.6 22.4 10.6 2.9 3.6	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08284 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12
TRAJECTORY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12-744 8 -17-922 9 -17-991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -30.640 -30.640 -31.184 -35.554 -31.367 -27.054	RANGE 1509-10034 1436-88010 1386-15170 1403-90433 1446-71844 1482-88837 1551-62117 1499-72562 1477-82220 1417-75021 1386-15170 1382-30006 1378-07904	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 +50.6 -38.4.1 -5.8 -8.9 -18.7 90.6 -91.4	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0 4.0 3.3 2.9	SEC TO 642.  AZSUN -79-2 -80-3 -80-3 -81-1 -81-7 -82-4 -80-0 -78-8 -80-3 -81-6 -81-9	IMPACT -486 AZA 63.7 55.5 59.5 47.3 37.8 46.1 52.9 61.7 71.8 66.6 59.5 67.6 67.6	ALT 1377.15671 69.30746 68.28675 65.28138 66.40657 70.13932 73.07398 70.93834 69.55003 67.05929	LA. -4.: B/A 0.896 0.997 0.970 0.874 0.804 0.854 0.884 0.897 0.974 0.981	7 AZPHAZ -93.4 -90.2 -85.6 -95.3 -95.3 -95.3 -95.6 -82.2 -85.6 -82.2 -81.6	LON 2.610 INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0 57.8 56.9	R 3112-61; PHAZ EMIS 39.2 32.9 47.5 22.4 53.1 8.8 47.7 15.1 42.4 24.1 42.1 29.5 42.4 37.6 47.8 31.7 53.2 28.9 53.0 18.5 53.8 8.6 58.8 6.6	V 2 2.083 ALPHA 29.4 13.1 3.4 13.2 23.3 23.6 22.4 11.4 2.9 3.4 -6.6	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59727 12-13
TRAJECTURY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8-507 4 -8-276 5 -8-031 6 -12-744 7 -17-943 8 -17-92 9 -17-91 10 -13-032 11 -8-507 12 -5-033 13 -4-779 14 -4-491 15 -4-157	LON -18.717 -26.315 -31.184 -26.759 -22.060 -25.708 -30.6400 -30.939 -31.184 -31.367 -27.054 -22.483	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.7256 1477.82220 1417.75021 1386.15170 1382.30006 1378.07904 1395.42918	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 -50.6 -38.4 -24.1 -5.8 -8.9 -18.7 -90.3	AZN 6.8 6.1 2.9 4.8 6.5 8.0 4.0 3.3 2.9 1.4 2.7 3.8	SEC TO 642.  AZSUN -79-2 -80-3 -81-1 -81-7 -82-4 -80-0 -77-7 -78-8 -81-9 -82-1 -82-1 -82-1	IMPACT .486  AZA 63.7 559.5 47.3 37.8 1 52.9 61.7 1.8 66.6 59.5 67.6 51.2 37.8	ALT 1377.15671 69.30746 68.28675 65-28138 66-40657 68-08753 70.13932 73.07398 67.05929 67.05929 65-28138 61.89563 62-97071 65-24745 66-83619	LA -4.1 0.894 0.997 0.970 0.974 0.874 0.884 0.953 0.997 0.994 0.992	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9	LON 2.610 INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0 57.8 56.9 52.2 56.4	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4 47-7 15-1 42-4 24-1 42-4 24-1 42-4 24-3 42-4 37-6 47-8 31-7 53-0 18-5 53-0 18-5 53-0 18-5 53-0 28-8	V 2.083 ALPHA 29.4 13.1 3.4 13.2 23.3 23.6 11.4 0.8 2.9 3.4 -6.6 12.3	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 140.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59721 12-13
TRAJECTORY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17-943 8 -17.922 9 -17-991 10 -13.032 11 -8.507 12 -5.033 14 -4.491 15 -4.157 16 -3.759	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -30.939 -31.184 -35.554 -31.367 -27.054 -22.483 -17.463	RANGE 1509-10034 1436-88010 1386-15170 1403-90433 1446-71844 1422-88837 1551-62117 1479-72562 1417-75021 1386-15170 1386-15170 1386-307904 1378-07904 1378-07904 1507-25314	AZS/C +19.4 -34.5 -18.7 -56.1 -69.2 -50.6 -38.4 -24.1 -5.8 -8.9 -18.7 90.6 -91.4 -90.3	AZN 6.81 6.9 4.8 6.8 11.9 8.0 3.3 2.9 1.4 2.7 3.8 4.9	SEC TO 642.  AZSUN -79-2 -80-3 -81-1 -81-7 -82-4 -80-0 -77-7 -88-8 -81-9 -82-1 -82-0 -81-9 -82-1 -82-0 -81-9 -82-1 -82-0 -81-9	IMPACT .486  AZA 63.75 59.5 47.3 37.8 46.1 52.7 71.8 659.5 67.6 237.9 28.8	ALT 1377.15671 A• 69.30746 68.28675 65.28138 66.40657 70.13932 73.0738 70.93834 67.05929 65.28138 61.89563 62.97071 65.24745	LA -4.1 0.894 0.997 0.970 0.974 0.874 0.884 0.953 0.997 0.994 0.992	7 886 -3 AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -95.8 -95.6 -82.2 -82.6 -80.9 -80.9	INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0 57.8 56.9 52.2 56.4 60.6 65.2 70.1	R 3112.612 PHAZ EMIS 39.2 32.9 47.5 22.4 47.7 15.1 42.4 24.1 42.4 24.1 42.4 24.3 53.0 18.5 53.1 8.8 6.6 53.6 2.8 43.0 22.4 43.1 53.0 12.4	V 2 2.083 ALPHA 29.4 13.1 3.4 13.2 23.3 23.6 22.4 11.4 2.9 3.4 -6.6	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-21 126.59721 12-13 130.49797 13-14
TRAJECTURY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8-507 4 -8-276 5 -8-031 6 -12-744 7 -17-943 8 -17-92 9 -17-991 10 -13-032 11 -8-507 12 -5-033 13 -4-779 14 -4-491 15 -4-157 16 -3-759 17 -7-763	LON -18.717 -26.315 -31.184 -26.756 -22.406 -22.406 -25.708 -30.499 -31.184 -31.367 -22.483 -17.463 -17.463 -17.463 -17.463 -16.880	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 1477.78220 1417.75021 1386.13170 1382.30006 1378.07904 1395.42918 1436.90233 1507.25314	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 +50.6 -38.4 -24.1 -5.8 -8.9 -18.7 90.6 -91.4 -90.2 -90.1	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0 4.0 3 2.9 1.4 2.7 8.8 8.9	SEC TO 642  AZSUN -79.2 -80.3 -80.3 -81.1 -81.7 -81.7 -82.4 -71.8 -81.9 -81.9 -81.6 -81.9	IMPACT. 486  AZA 63.7 559.5 47.3 37.8 66.1 52.9 71.8 66.6 51.2 37.9 28.8 22.0 30.3	ALT 1377.15671 49.30746 68.28675 65.28138 66.40657 70.13932 73.07398 67.05929 65.28138 64.89563 62.97071 65.24745 66.83619 69.11211 70.50881	LA -4. B/A 0.896 0.925 0.997 0.970 0.874 0.800 0.854 0.953 0.997 0.978 0.998 0.992 0.984 0.870 0.874	7 886 -3i AZPHAZ -93.4 -90.2 -85.2 -85.2 -95.3 -95.8 -90.2 -82.2 -81.6 -82.2 -81.6 -80.0 -79.0	INCD 69-4 62-2 56-9 61-2 65-8 67-0 57-8 56-9 52-2 56-4 60-6 65-2 70-1 70-9	R 3112-612 PHAZ EMIS 39.2 32.9 47.5 22.4 47.7 15.1 42.4 24.1 42.1 29.5 42.4 37.6 53.0 18.5 53.1 8.8 6.6 53.6 2.8 48.3 12.5 53.6 2.8 48.3 12.5 73.7 32.7	V 2 2.083  ALPHA 29.4 13.1 3.42 23.3 23.6 22.4 0.8 2.9 11.4 -6.6 2.8 12.3	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 140.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59721 12-13
TRAJECTURY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17-943 8 -17.922 9 -17-991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491 15 -4.157 16 -3.759 17 -7.763	LON -18.717 -26.315.31.184 -26.759 -31.184 -35.554 -31.184 -35.554 -31.184 -35.254 -31.184 -35.254 -31.184 -35.254 -31.184 -35.254 -31.184 -35.254 -31.184 -35.254 -31.184 -35.254 -31.184 -35.254 -31.184 -35.254 -31.184 -35.254 -31.364 -31	RANGE 1509-10034 1436-88010 1386-15170 1403-90433 1446-71844 1482-88847 1551-62117 1499-72562 1417-82220 1417-75021 1386-15170 1386-30203 1378-07904 1395-42918 1436-90233 1507-25314 1519-73694	AZS/C -19.4 -34.5 -18.7 -56.2 -50.6 -38.4 -24.1 -5.8 9-18.7 90.6 -91.4 -90.3 -90.2 -90.1 -75.2	AZN 6.81 2.9 4.8 6.5 8.8 11.9 8.0 3.3 2.9 1.4 2.7 3.8 9.8 8.8	SEC TO 642 AZSUN -79.2 -80.3 -81.1 -81.7 -81.7 -80.0 -77.7 -78.8 -80.3 -81.9 -81.9 -82.1 -82.1	IMPACT .486  AZA 63.75 59.5 47.3 46.1 50.7 71.8 66.6 59.5 67.6 59.5 67.6 37.9 22.0 30.3	ALT 1377.15671 69.30746 68.28675 65.28138 66.40657 68.08753 70.13932 73.07398 69.55003 67.05929 65.28138 61.89563 62.97071 65.24745 66.83619 69.11211 70.50881 72.84384	LA -4. B/A 0.896 0.925 0.970 0.921 0.874 0.884 0.953 0.974 0.981 0.992 0.944 0.870 0.846 0.796	T 886 -33 AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -94.8 -90.3 -95.3 -94.8 -90.2 -85.6 -80.9 -80.9 -80.9 -80.9 -84.2	INCD 69-4 62-2 56-9 61-2 65-8 67-0 68-6 63-6 59-0 57-8 56-9 52-2 56-4 60-6 65-2 70-1 70-9 72-3	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4 53-1 8-8 47-7 15-1 42-4 24-1 42-1 24-1 42-1 24-1 53-0 18-5 53-0 18-5 53-1 8-8 58-8 6-6 53-1 8-8 58-8 12-5 43-0 22-4 37-9 32-7 37-1 34-1 36-8 38-6	V 2.083 ALPHA 29.4 13.4 13.2 23.3 23.6 21.4 0.8 2.9 3.4 -6.6 12.3 22.1 32.2 33.8	PTH AZ -72-384 116-623  SCALE PT-PT 0. 0-1 228-64801 1-2 196-16501 2-3 132-77015 3-4 141-08246 4-5 144-18283 5-6 160.07036 6-7 152-97114 7-8 142-12234 8-9 150.45363 9-10 137-26737 10-11 168-36537 11-12 126-59721 12-13 130.49797 13-14 138.43619 14-15 152-17515 15-16 122-53901 16-17 150.90331 17-18
TRAJECTURY PHOTO DATA PT LAT 1 -11 -518 2 -12 -874 3 -8 -507 4 -8 -276 5 -8 -031 6 -12 -744 7 -17 -943 8 -17 -92 9 -17 -91 10 -13 -032 11 -8 -507 12 -5 -033 13 -4 -779 14 -4 -491 15 -4 -157 16 -3 -759 18 -12 -650 18 -12 -650 19 -18 -087	LON 7-26-315-31-184-26-706-21-381-20-400-25-708-30-640-30-33-31-184-31-367-27-054-22-483-17-4630-15-892-11-4-388	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 1477.78220 1417.7522 1386.15170 1382.30006 1378.07904 1395.42918 1436.90233 1507.25314 1519.73694 1561.88672 1641.69481	AZS/C -19.4 -34.5 -18.7 -56.1 -59.2 -50.6 -38.4 -24.1 -5.8 -8.9 -90.6 -90.4 -90.3 -90.2 -90.2 -60.3	AZN 6.8 6.1 2.9 4.8 6.5 8.0 4.0 3.3 9 1.4 7 3.8 4.9 8.2 11.4 15.8	SEC TO2 642 AZSUN - 79-2 -80-3 -81-1 -81-7 -82-4 -80-3 -81-6 -81-7 -78-8 -81-6 -81-1 -82-0 -81-6 -82-1 -83-2	IMPACT .486  AZA .55.5 .59.3 .37.8 .61.7 .71.8 .66.5 .59.61.7 .71.8 .60.5 .37.9 .28.8 .22.0 .30.3 .38.4 .45.4	ALT 1377.15671 49.30746 68.28675 65.28138 66.40657 70.13932 73.07398 67.05929 65.28138 61.89563 62.97071 65.24745 66.83619 69.11211 70.50881 72.84384 76.27210	LA: -4.:  B/A 0.896 0.925 0.977 0.971 0.800 0.854 0.884 0.997 0.974 0.981 0.992 0.984 0.974 0.8796 0.8796	T 886 -3: AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -95.6 -85.6 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4 -96.4	INCD 69-4 62-2 56-9 61-2 65-8 56-9 57-8 56-9 56-9 57-8 76-1 70-9 72-3 74-3 74-3	R 3112-612 PHAZ EMIS 39.2 32.9 47.5 22.4 47.7 15.1 42.4 24.1 42.1 29.5 42.4 37.6 53.0 18.5 53.1 8.8 6.8 6.8 48.3 12.5 53.1 8.8 53.6 2.8 48.3 12.5 73.7 34.1 36.8 38.6 71 34.1	V 2 2.083  AL PHA 29.4 13.1 3.4 13.2 23.6 22.4 0.8 2.9 3.4 -6.6 12.3 22.1 33.8 34.5	PTH AZ -72-384 116-623  SCALE PT-PT 0. 0-1 228.64801 1-2 196-16501 2-3 132-77015 3-4 141-08264 4-5 144-18263 5-6 160-07036 6-7 152-97114 7-8 142-12234 8-9 150-45363 9-10 137-26737 10-11 168.36537 11-12 126-59721 12-13 130-49797 13-14 138-43619 14-15 152-17515 15-16 122-153901 16-17 150-90331 17-18 170-46181 18-19
TRAJECTURY  PHOTO DATA  PT LAT  1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12-744 7 -17-943 8 -17-922 9 -17-991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491 15 -4.157 16 -3.759 17 -7.763 18 -12.650 19 -18.087	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -30.939 -31.184 -35.554 -31.367 -27.054 -22.483 -17.463 -16.880 -15.892 -14.388 -11.912	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 1417.82220 1417.75021 1386.15170 1386.30006 1378.07904 1395.42918 1436.90233 1507.25314 1519.73694 1519.73694 1777.51598	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 -50.6 -38.4 -24.1 -5.8 -90.3 -90.2 -90.1 -75.2 -90.3 -40.3	AZN 6.8 6.1 2.9 4.5 8.8 11.9 8.0 4.0 3.3 2.4 2.7 8.2 11.4 15.8 8.2 11.8	SEC TO 642.  AZSUN -79-2 -80-3 -80-3 -81-7 -78-8 -81-9 -82-1 -82-1 -82-2 -85-3 -89-2 -85-3 -89-2	IMPACT-486  AZA7 55.5 59.5 59.3 37.8 152.9 71.8 66.5 67.6 237.9 22.0 30.3 38.4 45.0	ALT 1377.15671 69.30746 68.28675 68.08753 70.13932 73.07398 60.40657 68.08753 70.13932 73.07398 61.955003 67.05929 65.28138 61.89563 62.97071 65.24745 66.83619 69.11211 70.50881 72.84384 76.27210	B/A 0.896 0.925 0.970 0.971 0.800 0.854 0.853 0.997 0.974 0.991 0.991 0.991 0.991 0.991 0.991 0.974 0.974	T 886 -3: AZPHAZ -93.4 -90.2 -85.6 -85.2 -85.8 -90.3 -94.8 -90.2 -85.6 -80.0 -79.0 -84.2 -90.3 -94.2 -90.3 -94.2 -90.3 -94.3	INCD 69-4 62-2 56-9 61-2 56-9 57-8 56-9 70-1 70-9 72-3 77-3 77-3 77-3 77-3 77-3 77-3 77-3	R 3112.612 PHAZ EMIS 39.2 32.9 47.5 22.4 47.7 15.1 42.1 29.5 3.1 8.8 47.7 15.1 42.1 29.5 53.0 18.5 53.0 18.5 53.0 18.5 53.0 22.4 43.0 22.4 43.0 12.4 43.1 34.1 45.7 37.1 34.1 45.7 38.1 55.7	V 2.083 AL PHA 29.4 13.4 13.4 123.3 23.6 11.4 0.6 2.9 3.4 - 6.6 2.8 12.3 132.2 33.8 34.5 133.0	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1- 2 196.16501 2- 3 132.77015 3- 4 141.08246 4- 5 144.18283 5- 6 160.07036 6- 7 152.97114 7- 8 142.12234 8- 9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59721 12-13 130.49797 13-14 138.43619 14-15 152.17515 15-16 122.59031 17-18 170.46181 18-19 208.33785 19-20
TRAJECTORY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 8 -17.922 9 -17.991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491 15 -4.157 16 -3.759 17 -7.763 18 -12.650 19 -18.087 20 -24.568	LON -18.717 -26.315 -31.184 -26.708 -22.060 -25.708 -30.640 -30.939 -31.184 -35.554 -22.483 -16.880 -11.912 -18.889 -11.912 -18.889	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 14177.82220 1417.75021 1386.15170 1382.30006 1378.07904 1395.42918 1436.90233 1507.25314 1519.73694 1561.88672 1641.69481 1777.51598	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 -50.6 -38.4 -24.1 -5.8 -8.9 -18.7 90.6 -91.4 -90.1 -75.2 -60.3 -48.7 -40.2	AZN 6.8 6.1 2.9 4.8 6.5 8.0 4.0 3.2 9 1.4 4.9 5.8 8.2 11.8 8.2 15.8 22.6	SEC TO 2.  AZSUN	IMPACT. 486  AZA7 555.5 597.5 37.8 46.1.7 66.6 51.2 28.8 22.0 30.3 38.4 45.2 518.5	ALT 1377.15671 49.30746 68.28675 65.28138 66.40657 70.13932 73.07398 67.05929 65.28138 61.89563 62.97071 69.11211 70.50881 72.84384 76.27210 81.54096	LA -4.1 B/A 0.896 0.997 0.971 0.971 0.800 0.854 0.953 0.997 0.974 0.984 0.953 0.971 0.944 0.870 0.716 0.716 0.716	T 886 -3: AZPHAZ -93.42 -85.62 -85.22 -84.8 -90.3 -95.3 -95.3 -94.8 -90.2 -81.6 -80.0 -84.2 -90.3 -96.4 -102.3 -101.2	LON 2.610 INCD 69.4 62.22 56.9 61.2 65.8 67.0 68.6 63.6 57.8 56.9 52.2 56.4 60.6 65.2 70.9 72.3 74.3 77.3	R 3112-612 PHAZ EMIS 39.2 32.9 47.5 22.4 53.1 8.8 47.7 15.1 42.4 24.1 42.1 29.5 42.4 37.6 53.0 18.5 53.0 18.5 53.0 18.5 53.0 18.5 53.0 22.4 37.9 32.7 37.1 34.1 36.8 38.6 7.7 37.1 34.1 36.8 38.6 7.7 37.1 34.1	V 2 2.083 ALPHA 29.4 13.1 3.42 23.3 22.4 11.4 0.8 2.9 3.4 -6.6 12.3 22.1 33.8 34.1 33.6	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08284 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59721 12-13 130.49797 13-14 138.43619 14-15 152.17515 15-16 122.53901 16-17 150.90331 17-18 170.46181 18-19 208.33785 19-20 193.34595 20-21
PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12-744 7 -17.943 8 -17.992 9 -17-991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491 15 -4.157 16 -3.759 17 -7.763 18 -12.650 19 -18.087 20 -24.568 21 -24.010 22 -23.750	LON -18.717 -26.315 -31.184 -26.759 -22.060 -25.708 -30.640 -30.939 -31.184 -35.554 -31.367 -27.054 -16.889 -14.388 -14.889 -24.885 -2	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 1417.82220 1417.75021 1386.15170 1382.30006 1378.07904 1395.42918 1436.90233 1507.25314 1519.73694 1777.51598 1665.33549 1602.37221	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 +50.6 -38.4 -24.1 -5.8 -8.9 -18.7 -90.6 -91.4 -90.3 -90.2 -90.1 -75.2 -90.1 -75.2 -90.1 -75.2 -90.1 -75.2 -90.1 -75.2 -90.1 -75.2 -90.1	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0 3.3 2.9 1.4 2.7 3.8 4.9 5.8 2.1 1.4 1.4 1.5 1.4 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	SEC TO. 642. AZSU.2 -80.3 -80.3 -81.7 -82.4 -77.7 -82.4 -77.7 -80.3 -81.6 -82.1 -81.6 -82.1 -82.1 -82.3 -84.3 -84.3	IMPACT .486 AZ A 7 55.5 547.3 37.8 1 52.9 7 71.8 659.5 67.6 2 37.9 8 22.0 3 38.4 45.2 0 58.5 7 66.7	ALT 1377.15671 4.69.30746 68.28675 65.28138 66.40657 68.08753 70.13932 73.07398 67.05929 65.28138 61.89563 62.97071 65.24745 66.83619 69.11211 70.50881 72.84384 76.27210 81.54096 77.38392 74.74521	LA -4.: B/A 0.925 0.925 0.970 0.971 0.874 0.884 0.953 0.953 0.974 0.994 0.994 0.994 0.994 0.996 0.	T	LON 2.610 INC D 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0 57.8 65.9 60.6 65.2 70.1 70.9 72.3 74.3 70.9	R 3112-61; PHAZ EMIS 39-2 32-9 47-5 22-4 53-1 8-8 47-7 15-1 42-4 24-1 42-1 29-5 42-4 37-6 47-8 31-7 53-2 28-9 53-0 18-5 53-1 8-8 58-8 6-6 48-3 12-5 53-1 8-8 48-3 12-5 48-3 12-5 3-1 35-7 3-1 34-7 3-1 34-7 3-1 35-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3	V 2.083 ALPHA 29.4 13.4 13.4 22.4 11.4 0.8 2.9 3.4 12.8 12.1 32.8 12.1 32.8 12.8 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13.6	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-21 126.559721 12-13 130.49797 13-14 138.43619 14-15 152.17515 15-16 122.53901 16-17 150.90331 17-18 170.46181 18-19 208.33785 19-20 193.345995 0-21 194.334595 0-21
TRAJECTURY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17.943 9 -17.991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491 15 -4.157 16 -3.759 17 -7.763 18 -12.650 19 -18.087 20 -24.568 21 -26.010 22 -23.750 23 -23.687 24 -23.786	LON -18.717 -26.315 -31.184 -26.759 -22.060 -25.708 -30.640 -30.939 -31.184 -35.554 -31.367 -22.483 -16.880 -11.912 -14.388 -11.912 -18.889 -24.825 -30.246	RANGE 1509-10034 1436-88010 1386-15170 1403-90433 1446-71844 1422-88837 1551-62117 1479-72562 1417-82220 1417-82220 1417-8220 1378-07904 1378-07904 1378-07904 1501-25314 1519-7354 1519-7354 1519-7354 1655-33549 1605-33754 1603-37221	AZS/C -19.4 -34.5 -18.7 -56-1.6 -69.2 -50.6 -38.4 -24.1 -5.8 -8.9 -90.4 -90.1 -75.2 -60.3 -48.7 -40.5 -18.4 -4.3	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0 3.3 2.9 4.0 3.3 2.7 3.8 8.8 15.8 2.6 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	SEC TO 2.  AZSUN	IMPACT  A3.755.55 47.38 46.97 71.865.56 51.98 28.42 20.33 28.42 20.33 25.666.78	ALT 1377.15671 A- 69.30746 68.28675 65.28138 66.40657 70.13932 73.07398 77.05929 65.28138 67.05929 65.28138 61.89563 62.97071 70.50861 70.50861 72.84384 72.84384 72.84384 73.	LA -4.0 B/A 0.896 0.997 0.970 0.901 0.804 0.804 0.983 0.981 0.992 0.944 0.806 0.974 0.979 0.974 0.979 0.9	T	LON 2.610 INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 57.8 56.9 52.2 70.1 70.9 72.3 74.3 77.3 77.3	R 3112-612 PHAZ EMIS 39.2 32.9 47.5 22.4 47.7 15.1 42.4 24.1 42.1 29.5 42.4 37.6 53.0 18.5 53.0 18.5 53.0 18.5 53.0 18.5 53.1 8.8 63.6 2.8 48.3 12.5 43.0 22.4 77.1 34.1 36.8 38.6 43.1 45.7 38.1 55.2 48.5 42.4 48.3 47.5 48.5 42.4	V 2 2.083  ALPHA 29.4 13.1 13.4 22.3 23.6 22.4 11.6 2.9 2.9 2.9 3.8 12.3 22.1 23.8 34.1 33.0 19.6 7.8	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59721 12-13 130.49797 13-14 138.43619 14-15 152.17515 15-16 122.53901 16-17 150.90331 17-18 170.46181 18-19
TRAJECTORY  PHOTO DATA  PT LAT  1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17-943 8 -17.922 9 -17-991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491 15 -4.157 16 -3.759 17 -7.763 18 -12-650 19 -18.087 20 -24.588 21 -24.010 22 -23.786 24 -23.786 24 -23.786	LON -18.717 -26.315 -31.184 -26.757 -22.160 -21.381 -20.400 -30.939 -31.184 -35.554 -31.367 -27.054 -22.483 -17.463 -15.892 -14.388 -24.825 -30.246 -35.499	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 1417.82220 1417.75021 1386.15170 1382.30006 1378.07904 1395.42918 1436.90233 1507.25314 1519.73694	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 -50.6 -38.4 -24.1 -5.8 -8.9 -18.7 90.6 -91.4 -90.3 -90.3 -48.7 -40.3 -48.7 -40.3	AZN 6.8 6.1 2.9 4.8 6.5 8.0 3.3 2.9 1.4 2.7 3.8 4.9 11.4 2.6 11.4 2.6 10.9	SEC TO 642.  AZSUN2 -80.3 -81.1 -81.7 -82.4 -74.7 -80.3 -81.6 -81.9 -82.1 -83.3 -81.6 -82.0 -81.6 -77.4	IMPACT -486  AZA7 559.5 547.3 376.1 521.7 716.6 597.6 228.0 38.4 227.0 28.0 38.4 258.0 38.4 258.0 38.4 258.0 38.4 258.0 38.4 258.0	ALT 1377.15671 4.0 69.30746 68.28675 65.28138 66.40657 68.08753 70.13932 73.07398 67.05929 69.28138 61.895071 65.24745 66.83619 69.11211 70.50881 72.84384 77.38392 77.38392 77.38392 77.38392 77.38392 77.78627 77.78792 77.790839	LAA -4+:  B/A 0.896 0.925 0.991 0.971 0.874 0.975 0.974 0.975 0.974 0.974 0.974 0.974 0.974 0.974 0.974 0.975 0.876 0.774 0.591 0.752 0.775 0.775 0.775 0.775	T	LON 2.610 INCD 69.4 62.2 56.9 61.2 65.8 67.0 68.6 63.6 59.0 57.8 56.9 70.1 70.9 72.3 74.3 77.3 77.3 70.9	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4 53-1 8-4 42-4 24-1 42-1 29-5 42-4 37-6 47-8 31-7 53-2 28-9 53-0 18-5 53-1 8-8 58-8 6-6 48-3 12-5 53-1 8-8 58-8 2-8 48-3 12-5 7-1 34-1 53-8 38-6 37-1 34-7 38-1 55-2 43-3 47-5 53-8 39-9 40-2	V 2 2.083 ALPHA 13.1 29.4 13.1 23.6 22.4 0.8 23.6 -2.8 122.1 32.2 33.6 122.1 32.3 34.5 34.5 34.5 33.6 19.6 -3.8	PTH AZ -72.384 110.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59721 12-13 130.49797 13-14 138.43619 14-15 152.17515 15-16 122.53901 16-17 150.90331 17-18 170.46181 18-19 208.33785 19-20 193.34595 20-21 164.57265 21-22 150.33295 22-23
TRAJECTURY PHOTO DATA PT LAT 1 -11-518 2 -12-874 3 -8-507 4 -8-276 5 -8-031 6 -12-744 7 -17-943 8 -17-92 9 -17-91 10 -13-032 11 -8-507 12 -5-033 13 -4-779 14 -4-491 15 -4-157 16 -3-759 17 -7-763 18 -12-650 19 -18-087 20 -24-568 21 -24-010 22 -23-750 23 -23-687 24 -23-786 25 -18-139 26 -13-219	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.30.640 -30.939 -31.184 -35.554 -32.483 -16.880 -17.463 -16.880 -17.463 -16.889 -24.825 -30.246 -35.469 -35.469 -35.469 -35.469 -35.469	RANGE 1509-10034 1436-88010 1386-15170 1403-90433 1446-71844 1422-88837 1551-62117 1479-72562 1417-82220 1417-82220 1417-8220 1378-07904 1378-07904 1378-07904 1501-25314 1519-7354 1519-7354 1519-7354 1655-33549 1605-33754 1603-37221	AZS/C -19.4 -34.5 -18.7 -56-1.6 -69.2 -50.6 -38.4 -24.1 -5.8 -8.9 -90.4 -90.1 -75.2 -60.3 -48.7 -40.5 -18.4 -4.3	AZN 6.8 6.1 2.9 4.8 6.5 8.8 11.9 8.0 3.3 2.9 4.0 3.3 2.7 3.8 8.8 15.8 2.6 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 15.8 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	SEC TO  AZSUNZ -80.3 -81.77 -81.77 -81.77 -81.77 -81.77 -81.77 -81.77 -81.91 -82.0 -82.12 -82.0 -84.3 -89.3 -89.3 -89.3 -89.3	IMPACT  A3.755.55 47.38 46.19 61.77 66.65 51.29 28.80 30.3 45.1.2 22.0 30.3 45.2 51.55 66.7 85.7 85.7 85.7	ALT 1377.15671 A- 69.30746 68.28675 65.28138 66.40657 70.13932 73.07398 77.05929 65.28138 67.05929 65.28138 61.89563 62.97071 70.50861 70.50861 72.84384 72.84384 72.84384 73.	LA -4.:  B/A 0.8966 0.992 0.972 0.997 0.9876 0.997 0.9800 0.854 0.993 0.992 0.974 0.981 0.994 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.974 0.981 0.981 0.974 0.981 0.984 0.774 0.981 0.890 0.886 0.774 0.890 0.886 0.774 0.890 0.886 0.778 0.890 0.	7 886 - 3 AZPHAZ -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -90.3 -94.8 -90.3 -94.8 -90.3 -94.8 -90.3 -94.8 -90.3 -94.8 -90.3 -94.8 -90.3 -94.8 -90.3 -94.8 -90.3 -94.8 -90.3 -94.8 -90.3	LON 2.610 INCD 69.46 62.2 56.9 61.2 2 65.8 67.0 68.6 63.6 63.6 63.6 63.6 70.9 72.3 74.3 77.3 77.3 77.5 65.6 75.2 54.6	R 3112-612 PHAZ EMIS 39-2 32-9 47-5 22-4 47-7 15-1 42-4 24-1 42-4 24-1 42-4 37-6 47-8 31-7 53-2 28-9 53-0 18-5 53-0 18-5 53-0 18-5 53-0 18-5 53-0 18-5 53-0 18-5 53-0 18-5 53-0 18-5 53-0 18-7 38-1 55-2 43-3 42-5 48-3 12-5 48-3 12-5 53-8 39-9 58-9 40-2 58-5 29-9 58-5 29-9	V 2 2.083  ALPHA 29.4  13.1  13.2 23.3  22.4  11.6  2.9  -6.6  2.9  -6.6  12.3  33.8  12.1  33.8  13.9  -7.3  -7.3  -7.3	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59721 12-13 130.49797 13-14 138.43619 14-15 152.17515 15-16 122.53901 16-17 150.90331 17-18 170.46181 18-19 208.33785 19-20 193.34595 20-21 164.57265 21-22 150.33295 22-23 144.28043 23-24
TRAJECTURY  PHOTO DATA  PT LAT  1 -11-518 2 -12-874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17-991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491 15 -4.157 16 -3.759 17 -7.763 18 -12.650 19 -18.087 20 -24.568 21 -24.010 22 -23.750 23 -23.687 24 -23.786 25 -18.139 26 -13.219 27 -8.729	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -30.939 -31.184 -35.554 -31.367 -27.054 -17.463 -16.880 -17.463 -16.880 -17.463 -16.889 -24.825 -33.49 -35.479 -33.497 -33	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 1417.82220 1417.75021 1386.15170 1386.30006 1378.07904 1395.42918 1436.90233 1507.25314 1519.73694 1651.88672 1641.69481 1777.51598 1665.33549 1602.37221 1575.424210 1575.424210 1575.424210 1575.424210 1575.424210	AZS/C -19.4 -34.5 -18.7 -56.1 -69.2 -50.6 -38.4 -24.1 -5.8 -8.9 90.6 -91.3 -90.2 -90.1 -75.2 -60.3 -48.7 -40.5 -10.5 -10.5 -10.5 -10.5	AZN 6.8 6.1 9 4.8 8 81.9 9 5.8 8 12.7 3.8 8 6.5 15.8 15.8 15.8 15.8 15.8 15.8 16.7 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	SEC TO  AZSUNZ -80.3 -80.3 -81.77 -81.7 -81.7 -81.7 -81.7 -81.7 -80.3 -81.9 -82.0 -82.1 -82.0 -84.3 -89.3 -89.3 -89.3 -89.3 -89.3 -89.3 -77.4 -77.7	IMPACT  A3.755.55  47.38  462.77  466.56  51.29  68.80  308.42  308.42  308.42  308.42  308.78  45.79  772.67	ALT 1377.15671 A• 69.30746 68.28675 65.28138 66.40657 70.13932 73.0738 70.93834 69.55003 67.05929 65.28138 61.89563 62.97071 70.50881 70.50881 70.50881 70.50881 70.308839 77.38392 77.38392 77.38839	LAA -4.:  B/A 0.896 0.925 0.997 0.971 0.972 0.971 0.972 0.971 0.972 0.971 0.972 0.972 0.972 0.972 0.972 0.972 0.972 0.972 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752	T 3.886 -3.3 AZPHAZ -90.2 -85.6 -85.2 -95.8 -90.3 -95.8 -90.2 -85.6 -80.0 -79.0 -84.2 -90.3 -101.2 -99.4 -102.3 -100.2 -99.4 -99.4 -99.4 -99.4 -99.4 -99.4 -99.4 -99.4 -99.4 -99.4 -99.4 -99.4 -90.5	LON 2 - 610 INC D 69-4 62-2 56-9 61-2 65-8 67-0 57-8 56-9 72-2 70-1 70-9 72-3 77-3 77-3 77-3 56-2 54-6 53-5 53-5 53-5	R 3112-611 PHAZ EMIS 39.2 32.9 47.5 22.4 53.1 8.8 47.7 15.1 42.4 24.1 42.1 29.5 42.4 37.6 753.2 28.9 53.0 18.5 53.1 8.8 63.6 2.8 48.3 12.5 53.1 8.8 53.6 2.8 37.1 34.1 36.8 38.6 37.1 35.2 48.3 47.4 53.8 39.9 58.5 29.4 53.8 39.9 58.5 29.4	V 2 0 8 3 AL PH 4 13.1 29.4 13.1 23.3 6 22.4 4 10.8 9 3.4 6 2.8 122.2 8 34.5 1 32.0 1 7.8 34.5 1 33.9 6 6 7.8 9 7.8 9 7.9 8 7.	PTH AZ -72-384 116-623  SCALE PT-PT 0. 0-1 228.64801 1-2 196-16501 2-3 132-77015 3-4 141-08266 4-5 144.18283 5-6 160.07036 6-7 152-97114 7-8 142-12234 8-9 150.45363 9-10 137-26737 10-11 168.36537 11-12 126-59721 12-13 130.49797 13-14 138.43619 14-15 152-17515 15-16 122-53901 16-17 150.90331 7-18 170.46181 18-19 208.33785 19-20 193.34599 20-21 164.57265 21-22 150.33295 22-23 144.204043 23-24 171.04908 24-25
TRAJECTURY PHOTO DATA PT LAT 1 -11.518 2 -12.874 3 -8.507 4 -8.276 5 -8.031 6 -12.744 7 -17.943 8 -17.991 10 -13.032 11 -8.507 12 -5.033 13 -4.779 14 -4.491 15 -4.157 16 -3.759 17 -7.763 18 -12.650 19 -18.087 20 -24.568 21 -24.010 22 -23.750 23 -23.687 24 -23.786 25 -18.139 26 -13.219	LON -18.717 -26.315 -31.184 -26.759 -22.060 -21.381 -20.400 -30.939 -31.184 -35.554 -31.367 -27.054 -17.463 -16.880 -17.463 -16.880 -17.463 -16.889 -24.825 -33.49 -35.479 -33.497 -33	RANGE 1509.10034 1436.88010 1386.15170 1403.90433 1446.71844 1482.88837 1551.62117 1499.72562 1417.82220 1417.75021 1386.15170 1386.30006 1378.07904 1395.42918 1436.90233 1507.25314 1519.73694 1651.88672 1641.69481 1777.51598 1665.33549 1602.37221 1575.424210 1575.424210 1575.424210 1575.424210 1575.424210	AZS/C -19.4-5 -34.5 -18.7 -56.1 -69.2 -50.6 -38.4 -24.1 -5.8 -8.9 -18.7 90.6 -91.4 -90.3 -90.2 -60.3 -75.2 -60.3 -40.2 -30.5 -18.4 -4.3 10.2 13.7 20.5	AZN 6.8 6.1 9 4.8 8 81.9 9 5.8 8 12.7 3.8 8 6.5 15.8 15.8 15.8 15.8 15.8 15.8 16.7 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	SEC TO 642.  AZSUN 79.2 -80.3 -81.1 -81.7 -82.4 -77.7 -88.3 -81.6 -81.9 -82.1 -83.2 -84.6 -77.4 -75.2	IMPACT  A3.755.55  47.38  462.77  466.56  51.29  68.80  308.42  308.42  308.42  308.42  308.78  45.79  772.67	ALT 1377.15671 A- 69.30746 68.28675 55.28138 66.40657 70.13932 70.07398 70.93834 69.55003 67.05929 65.28138 69.55003 67.05929 65.24745 66.83619 69.11211 70.50881 76.24745 66.83619 77.38392 77.38392 77.38392 77.38392 77.38392 77.38392 77.38392 77.38392 74.76521 66.34634 66.34634 66.34634	LA -4.:  B/A 0.896 0.997 0.991 0.804 0.995 0.997 0.991	7 -3 886 -3 AZPHAZ -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -94.8 -80.0 -84.2 -81.6 -80.0 -79.0 -84.2 -90.3 -101.2 -90.4 -101.2 -90.4 -98.7 -94.5 -90.2 -90.2	LON 2.610 INCD 69.4 62.2 56.9 61.2 65.8 68.6 65.9 68.6 65.9 70.1 70.9 77.3 70.9 66.7 75.8 95.4 65.5 70.1 70.9 75.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 9	R 3112-612 PHAZ EMIS 39.2 32.9 47.5 22.4 47.7 15.1 42.1 29.5 3.1 8.8 47.7 15.1 42.1 29.5 3.0 18.5 53.0 18.5 53.0 18.5 53.0 18.5 43.0 22.4 43.3 47.5 43.3 47.5 48.5 42.4 43.3 47.5 48.5 42.4 58.8 49.9 58.9 40.2 58.8 40.2 58.8 19.5 58.4 10.8	V 2 2.083  ALPHA 29.4  13.1  13.2 23.3  22.4  11.6  2.9  -6.6  2.9  -6.6  12.3  33.8  12.1  33.8  13.9  -7.3  -7.3  -7.3	PTH AZ -72.384 116.623  SCALE PT-PT 0. 0-1 228.64801 1-2 196.16501 2-3 132.77015 3-4 141.08246 4-5 144.18283 5-6 160.07036 6-7 152.97114 7-8 142.12234 8-9 150.45363 9-10 137.26737 10-11 168.36537 11-12 126.59721 12-13 130.49797 13-14 138.43619 14-15 152.17515 15-16 122.53901 16-17 150.90331 17-18 170.46181 18-19 208.33785 19-20 193.34595 20-21 164.57265 21-22 150.33295 22-23 144.28043 23-24

		RA-VII CAMER	A FA			38
JULY 31,1964 13 HR 15 MIN 11	SEC 434 MS	TAB NO	75	ATLAS PHOTO NO	75 P	OD SEQUENCE NO 156
		SEC TO IMPACT	ALΓ	LAT LON	R	V PTH AZ
TRAJECTURY DATA		637.366	1366.98740			.085 -72.344 116.616
PHOTO DATA PT LAT LUN RANGE	AZS/C AZN	AZSUN AZA	A+	B/A AZPHAZ INCD	PHAZ EMIS ALI	PHA SCALE PT-PT
1 -11.509 -18.736 1498.08620	-19.5 6.8	-79.3 63.6	68.81293	0.896 -93.4 69.4	39.2 32.8 2	9.4 0. 0-1
2 -12.867 -26.257 1426.66910 3 -8.531 -31.093 1376.07124	-34.7 6.1 -19.2 2.9	-80.3 55.3 -80.3 59.3	67.80147			3.1 226.42065 1- 2 3.5 194.81402 2- 3
4 -8.302 -26.699 1393.87903	-56.1 4.8	-81.1 47.2	65.93228	0.970 -85.2 61.3	41.7 15.1 1	3.3 131.83749 3- 4
5 -8.058 -22.032 1436.51132 6 -12.736 -21.357 1472.47980	-69.1 6.5 -50.7 8.8	-81.7 37.8 -81.7 46.1	67.60694 69.64700			3.4 140.11761 4- 5 3.6 143.18097 5- 6
6 -12.738 -21.357 1472.47980 7 -17.900 -20.382 1540.67752	-38.5 11.9	-82.5 52.8	72.55863	0.800 -95.8 68.6	42.4 37.5 2	2.4 158.92114 6- 7
8 -17.878 -25.653 1489.02431	-24.3 8.0	-80.1 61.6	10.43207			1.4 151.92799 7- 6 0.9 141.13037 8- 9
9 +17.946 -30.550 1467.06679 10 -13.024 -30.849 1407.48120	-6.0 4.0 -9.2 3.4	-77.8 71.5 -78.8 66.4	69.04366 60.57356			3.0 149.34041 9-10
11 -8.531 -31.093 1376.07124	-19.2 2.9	-80.3 59.3	64.80666	0.991 -85.6 57.0	53.1 8.8	3.5 136.28001 10-11
12 -5.083 -35.432 13/1.91962 13 -4.831 -31.276 1367.96680	90.0 1.4	-81.6 67.1 -81.9 51.0	61.41566 62.51356			6.4 167.12789 11-12 2.9 125.64929 12-13
13 -4.831 -31.276 1367.96680 14 -4.544 -26.994 1385.36639	-90.0 3.9	-82.0 37.9	64.77668	0.992 -80.9 60.7	48.3 12.5 1	2.4 129.57170 13-14
15 -4.212 -22.454 1426.65747	-90.0 4.9	-81.9 28.9	66.35917	0.943 -80.0 65.2		2.1 137.47762 14-15 2.2 151.10843 15-16
16 -3.817 -17.468 1496.54440 17 -7.792 -16.887 1509.05809	-90.0 5.9 -75.1 8.2	-81.6 22.1 -82.1 30.3	68.62035 70.01302	0.846 -84.2 70.9	37.1 34.1 3	3.8 121.68492 16-17
18 -12.645 -15.906 1550.96027	-60.3 11.4	-83.2 38.4	72.33426	0.796 -90.3 72.3	36.8 38.6 3	4.5 149.85801 17-18 4.1 169.21976 18-19
19 -18.043 -14.414 1630.11464 20 -24.471 -11.968 1764.54451	-48.8 15.8 -40.2 22.5	-85.3 45.2 -89.2 51.0	75.73431 80.94614			4.1 169.21976 18-19 3.0 206.56910 19-20
20 -24.471 -11.968 1764.54451 21 -23.919 -18.887 1653.32332	-30.5 16.7	-84.3 58.4	76.82563	0.691 -101.2 70.9	43.3 47.5 1	9.7 191.85727 20-21
22 -23.660 -24.776 1590.72000	-18.5 10.9	-80.7 66.6 -77.5 75.6	74.20132 72.54572			7.9 163.41668 21-22 3.1 149.27005 22-23
23 +23.596 -30.155 1563.55815 24 -23.690 -35.315 1566.25208	-4.5 5.0 10.1 +0.9	-74.2 85.4	71.63791		58.9 40.1 -1	3.7 143.18636 23-24
25 -18.090 -35.276 1470.94427	13.5 -0.1	-75.3 82.6	68.24889	0.891 -94.5 54.7	2012	9.3 169.61453 24-25
26 -13.209 -35.295 1411.82864 27 -8.752 -35.355 1380.38612	20.2 0.5 38.3 1.0	-77.1 79.2 -79.3 72.3	63.84312			6.9 147.86515 25-26 6.1 134.99616 26-27
28 -5.083 -35.432 1371.91962	90.0 1.4	-81.6 67.1	61.41566	U.974 -82.2 52.3	58.8 6.5 -	6.4 111.15852 27-28
28 -5.083 -35.432 1371.91962	90.0 1.4					
JULY 31,1964 13 HR 15 MIN 16		-81.6 67.1 TAB NO		ATLAS PHOTO NO		POD SEQUENCE NO 158
		TAB NO	76 ALT	ATLAS PHOTO NO	76 F	POD SEQUENCE NO 158
JULY 31,1964 13 HR 15 MIN 16		TAB NO	76	ATLAS PHOTO NO	76 F	POD SEQUENCE NO 158
JULY 31,1964 13 MR 15 MIN 16 TRAJECTURY DATA PHOID DATA		TAB NO	76 ALT	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAZ INCO	76 R 3092-263 Z	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609 PHA SCALE PT-PT
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHOID DATA PT LAT LON RANGE 1 -11-500 -18.755 1487.05946	SEC 553 MS  AZS/C AZN -19-7 6-8	TAB NO SEC TO IMPAC 632.246 AZSUN AZA -79.3 63.4	76 ALT 1356.80801 A* 68.31768	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAZ INCO 0.896 -93.4 69.4	76 R 3092.263 2 PHAZ EMIS AL 39.2 32.8 2	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609 PHA SCALE PT-PT 29.4 0. 0 - 1
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHOTO DATA PT LAT LON RANGE 1 -11.500 -18.755 1487.05946 2 -12,860 -26.199 1416.44319	SEC 553 MS  AZS/C AZN -19.7 6.8 -34.8 6.1	TAB NC SEC TO IMPAC 632.246  AZSUM AZA -79.3 63.4 -80.4 55.2	76  ALT 1356.80801  A* 68.31768 67.31549	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAZ INCC 0.896 -93.4 69.4 0.924 -90.2 62.3	76 R 3092.263 2 PHAZ EMIS AL 39.2 32.8 2	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 9.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHOID DATA PT LAT LON RANGE 1 -11-500 -18.755 1487.05946	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.6	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/-1	ALT 1356.80801 A* 68.31768 67.31549 64.33149	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAZ INCO 0.896 -93.4 69.4 0.924 -90.2 62.3 0.997 -85.6 57.1 0.969 -85.2 61.2	76 R 3092.263 2 PHAZ EMIS AL 39.2 12.8 2 47.5 22.4 1 53.1 8.9	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 29.4 0. 0-1 13.2 224.19646 1- 2 3.6 193.46047 2- 3 3.6 193.46047 2- 3 3.4 130.49360 3- 4
JULY 31,1964 13 MR 15 MIN 16  TRAJECTGRY UATA  PHOIO DATA PT LAT LUN RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28854	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.8	TAB NC SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/.1 -81.7 37.8	ALT 1356.80801 A* 68.31768 67.31549 64.33149 65.45739 67.12562	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAZ INCC 0.896 -93.4 69.4 0.924 -90.2 62.2 0.997 -85.6 57.1 0.969 -85.2 61.2 0.900 -84.8 65.5	76 R 3092.263 2 1 PHAZ EMIS AL 39.2 32.8 2 1 47.5 22.4 1 53.1 8.9 1 47.7 15.2 1	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 9.4 0. 0- 1 13.2 224.19646 1- 2 3.6 193.46047 2- 3 13.4 130.9036C 3- 4 23.4 139.15079 4- 5
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHUIO DATA PT LAT LUN RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.6	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 47.1 -81.7 37.8 -81.7 46.1	ALT 1356.80801 A* 68.31768 67.31549 64.33149 65.45739 67.12562 69.15384 72.04235	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAZ INCC 0.896 -93.4 69.4 0.924 -90.2 62.3 0.997 -85.6 57.1 0.990 -89.2 61.2 0.990 -89.2 61.2 0.990 -89.2 61.2 0.900 -89.2 61.2 0.900 -89.2 61.2	76 R 3092.263 2 PHAZ EMIS AL 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 1 42.3 24.2 2 542.4 37.5 3	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 13.2 224.19646 1- 2 3.6 193.46047 2- 3 3.4 130.7036C 3- 4 23.4 139.15079 4- 5 23.6 142.17699 5- 6 22.4 157.76971 6- 7
JULY 31,1964 13 MR 15 MIN 16  TRAJECTORY UATA  PHOTO DATA PT LAT LON RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365,98090 4 -8.327 -26.640 1383,84076 5 -8.085 -22.004 1426.28834 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.71436 8 -17.835 -25.598 1478.30681	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.8 -69.1 6.6 -50.7 8.8 -38.6 11.5	TAB NC  SEC TO IMPAC 632.246  AZSUM AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/.1 -81.7 37.8 -81.7 46.1 -82.5 52.7 -80.1 61.4	ALT 1356.80801 A* 68.31768 67.31549 64.33149 65.45739 67.12262 69.15384 72.04235 69.92504	ATLAS PHOTO NO  LAT LUN -4,940 -32,502  B/A AZPHAZ INCO 0.896 -93.4 69.4 0.924 -90.2 62.3 0.497 -85.6 57.1 0.4969 -85.2 61.2 0.920 -84.8 65.9 0.873 -90.3 67.6 0.800 -95.8 68.6 0.855 -95.3 68.6	76 R 3092.263 2 9 PHAZ EMIS A 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 1 42.3 24.2 2 42.4 37.5 2 42.4 37.5 42.4 37.7 1 47.8 31.7 1	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 99.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 139.15079 4-5 23.6 142.17699 5-6 22.4 157.76971 6-7 11.5 150.88223 7-8
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365,98090 4 -8.322 / -26.404 1383.84076 5 -8.085 -22.004 1426.28894 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.1436 8 -17.835 -25.598 1478.30681 9 -17.900 -30.459 1456.29903	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.8 -69.1 6.6 -50.7 8.8 -38.6 11.9 -24.4 8.0	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/.1 -81.7 37.8 -81.7 46.1 -82.5 52.7 -80.1 61.4 -77.8 71.3	76  ALT 1356.80801  A* 68.31768 67.31549 64.33149 65.45739 67.12562 69.15384 72.04235 69.92504 68.53672	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAZ INCO 0.896 -93.4 69.4 0.924 -90.2 62.2 0.997 -85.6 57.1 0.902 -84.8 65.9 0.873 -90.3 67.0 0.800 -95.8 68.6 0.855 -95.3 63.0 0.884 -94.8 59.5	76 R 3092.263 2 PHAZ EMIS AL 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 1 42.3 24.2 2 542.4 37.5 3	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 92.4 0 -1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 130.9036C 3-4 23.4 130.9036C 3-6 22.4 157.76.971 6-7 23.1 180.8223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHUIO DATA  PT LAT LUN RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28894 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.71436 8 -17.835 -25.598 1478.36681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.8 -69.1 6.6 -50.7 6.8 -38.6 11.9 -24.4 8.0 -6.2 3.4 -9.5 3.4	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/.1 -81.7 37.8 -81.7 76.1 -82.5 52.7 -80.1 61.4 -77.8 71.3 -78.9 66.1 -80.3 59.1	76  ALT 1356.80801  A* 68.31768 67.31549 65.45739 67.12562 69.1534 72.04235 69.92504 68.53672 66.08729 64.33149	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  BLA AZPHAZ INCE 0.896 -93.4 69.4 0.924 -90.2 62.2 0.997 -85.6 57.1 0.902 -84.8 65.9 0.873 -90.3 67.6 0.800 -99.8 68.6 0.855 -95.3 63.1 0.884 -94.8 59.2 0.952 -90.2 57.5 0.907 -85.6 57.1	76 R 3092.263 2 PHAZ LMIS 3 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 1 42.3 24.2 2 42.1 24.2 3 42.4 37.5 2 42.8 31.7 7 53.2 28.8 52.9 18.5	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 29.4 0. 0-1 13.2 224.19646 1- 2 3.6 193.46047 2- 3 3.6 130.90360 3- 4 23.4 130.90360 3- 4 23.4 130.90367 4- 5 22.4 157.76971 6- 7 11.5 150.88223 7- 8 1.0 140.13684 8- 9 3.1 148.22593 9-10 3.6 135.29132 10-11
JULY 31,1964 13 HR 15 MIN 16  TRAJECTGRY UATA  PHOID DATA PT LAT LON RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28854 6 -12.732 -21.333 1462.05338 7 -17.835 -25.598 1478.36681 9 -17.900 -30.459 1478.36681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090 12 -5.133 -35.310 1361.53508	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.6 -69.1 6.6 -50.7 8.8 -38.6 11.5 -24.4 8.0 -6.2 4.0 -9.5 3.4 -19.7 3.0	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/-1 -81.7 37.8 -81.7 46.1 -82.5 52.7 -80.1 61.4 -77.8 71.3 -78.9 66.1 -80.3 59.1 -81.3 56.6	ALT 1356.80801 A* 68.31768 67.31549 64.33149 67.12562 69.15384 72.04235 69.92504 68.53672 66.08729 64.33149 90.93612	ATLAS PHOTO NO  LAT LUN -4,940 -32,502  B/A AZPHAZ INCC 0.896 -93.4 69.4 0.924 -90.2 62.3 0.997 -85.6 57.1 0.969 -85.2 61.2 0.920 -84.8 65.5 0.873 -90.3 67.0 0.800 -95.8 68.6 0.854 -94.8 59.2 0.854 -94.8 59.7 0.997 -85.6 57.1 0.997 -85.6 57.1	76 R 3092.263 2 PHAZ EMIS A 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 1 42.3 24.2 2 42.1 29.6 2 42.4 37.5 2 42.8 31.7 1 53.2 28.8 31.7 1 53.2 28.8 31.7 1 53.2 38.8 3 53.8 8.9	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 19.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 139.15079 4-5 23.6 142.17699 5-6 22.4 157.76971 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6-3 165.89009 11-12
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHUIO DATA  PT LAT LUN RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28894 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.71436 8 -17.835 -25.598 1478.36681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.8 -69.1 6.6 -50.7 6.8 -38.6 11.9 -24.4 8.0 -6.2 3.4 -9.5 3.4	TAB NC  SEC TO IMPAC 632-246  AZSUN AZA -79-3 63-4 -80-4 55-2 -80-3 59-1 -81-1 47-1 -81-7 37-8 -81-7 76-1 -82-5 52-7 -80-1 61-4 -78-9 66-1 -80-3 59-1 -81-5 66-6 -81-9 50-9	ALT 1356.80801 68.31768 67.31549 64.33149 65.45739 67.12562 69.92504 68.53672 66.08729 66.08729 66.33149 60.93612 62.05619 64.30540	ATLAS PHOTO NO  LAT LUN -4-940 -32-502  B/A AZPHAZ INCL 0.896 -93.4 69.4 0.924 -90.2 62.3 0.497 -85.6 57.1 0.969 -85.2 61.2 0.801 -90.3 67.6 0.801 -90.3 67.6 0.803 -90.3 67.6 0.804 -94.8 65.6 0.805 -95.3 63.0 0.804 -94.8 65.7 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.994 -81.6 56.1	76 R 3092.263 2 PHAZ EMIS A 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 4.2 2 42.1 29.6 2 42.1 29.6 2 42.1 29.6 2 42.1 29.6 2 52.9 18.5 2 48.8 1.7 1 53.1 8.9 53.1 8.9 53.1 8.9 53.1 8.9 53.1 8.9 53.1 8.9 53.1 8.9 53.1 8.9	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 19.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 139.15079 4-5 23.6 142.17699 5-6 22.4 157.76971 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6.3 165.89009 11-12 3.0 124.70138 12-13 124.70138 12-13
JULY 31,1964 13 MR 15 MIN 16  TRAJECTURY UATA  PHOTO DATA PT LAT LON RANGE 1 -11.500 -18.755 1687.05966 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28854 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.71436 8 -17.835 -25.598 1478.30681 9 -17.900 -30.459 1656.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090 12 -5.133 -35.310 1361.53508 13 -4.882 -31.185 1357.64660 14 -4.596 -26.933 1375.29269	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 6.6 -50.7 8.8 -50.7 8.8 -24.4 8.0 -9.5 3.0 -9.5 1.4 -9.7 3.0 -9.7 3.0 -9.8 9.2 -7 -89.9 2.7	TAB NC  SEC TO IMPAC 632-246  AZSUN AZA -79-3 63-4 -80-4 55-2 -80-3 59-1 -81-1 47-1 -81-7 37-8 -81-7 76-1 -82-5 52-7 -80-1 61-4 -77-8 71-3 -78-9 66-1 -80-3 59-1 -81-5 66-6 -81-9 50-9 -82-0 37-9 -82-0 37-9 -82-0 37-9 -81-9 9-9-1	ALT 1356.80801 A* 68.31768 67.31549 64.33149 65.45739 67.12562 69.15384 72.04235 69.92504 68.53672 66.08729 64.33149 60.93612 62.05619 64.30540 65.88154	ATLAS PHOTO NO  LAT LUN -4,940 -32,502  8,96 -93,4 69,4  0,924 -90,2 62,2  0,997 -85,6 57,1  0,900 -84,8 65,9  0,800 -95,8 65,0  0,800 -95,8 68,6  0,804 -94,8 59,7  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 57,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1  0,907 -85,6 97,1	76 R 3092.263 2 PHAZ LMIS A 39.2 32.8 2 47.7 5 22.4 1 53.1 8.9 47.7 15.2 1 42.3 24.2 2 42.3 24.2 2 42.3 24.2 2 53.1 8.9 52.9 18.5 53.2 28.8 553.2 88.8 6.4 5 53.6 3.0 3 48.3 12.6 24.4 3.0	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 99.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.190360 3-4 23.4 130.190379 4-5 23.6 142.17699 5-6 22.4 157.76971 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 -6.3 165.89009 11-12 3.0 124.70138 12-13 124.70138 12-13 124.70138 12-13
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.404 1383.84076 5 -8.085 -22.004 1426.28894 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.71436 8 -17.835 -25.598 1478.30681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090 12 -5.133 -35.310 1361.53508 13 -4.882 -31.185 1357.84660 14 -4.596 -26.933 1375.29269 15 -4.266 -22.425 1416.39928 16 -3.873 -17.474 1485.82043	AZS/C AZN -19.7 6.8 -19.7 6.8 -69-1 6.6 -50.7 8.8 -69-1 6.6 -50.7 8.8 -69-1 3.0 -69-1 6.8 -9-5 3.0 -9-5 1.4 -9-5 1.4 -88.9 2.7 -89.9 5.5	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/.1 -81.7 37.8 -81.7 76.1 -82.5 52.7 -80.1 61.4 -77.8 71.3 -78.9 66.1 -80.3 59.1 -81.5 66.6 -81.9 50.9 -82.0 37.9 -81.9 29.0 -81.9 29.0 -81.9 29.0 -81.9 29.0	ALT 1356.80801 68.31768 67.31549 64.33149 65.45739 67.12562 69.15384 72.04235 69.92504 68.53672 60.08729 64.30540 64.30540 65.8124 66.8127 64.30540 66.8127 66.8124	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAZ INCC 0.896 -93.4 69.4 0.924 -90.2 62.3 0.997 -85.6 57.1 0.969 -85.2 61.2 0.970 -9.8 68.6 0.855 -99.3 63.0 0.884 -94.8 55.0 0.920 -84.8 65.5 0.873 -90.3 67.0 0.907 -85.6 57.1 0.907 -85.6 57.1 0.907 -85.6 57.1 0.907 -85.6 57.1 0.908 -80.9 60.1 0.943 -80.9 60.1 0.943 -80.9 60.1 0.943 -80.9 65.1	76 R 3092.263 2 PHAZ EMIS AL 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 2 42.4 37.5 2 42.4 37.5 2 42.8 37.5 2 53.2 28.8 8 52.9 18.5 5 53.1 8.9 55.9 18.5 5 53.1 8.9 53.1 8.9 53.3 8.0 53.4 8.3 12.6 53.6 3.0 53.6 3.0 53.6 3.0	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 92.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 130.9036C 3-4 23.6 142.17699 5-6 22.4 157.76971 6-7 1.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6-3 165.89009 11-12 3.0 124.70138 12-13 124.70138 12-13 124.70138 12-13 124.70138 12-13 124.70138 12-13 124.70138 12-13 125.50.39772 15-16 33.2 150.39772 15-16
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHUIO DATA  PT LAT LUN RANGE 1 -11.500 -18.755 1687.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28894 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.71436 8 -17.835 -25.598 1478.36681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090 12 -5.133 -35.310 1361.53508 13 -4.482 -31.185 1397.84660 14 -4.596 -26.933 1375.29269 15 -4.266 -22.425 1416.39928 16 -3.873 -17.474 1485.82043 17 -7.821 -16.895 1498.36130 18 -12.639 -15.900 1490.1329	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 6.8 -59.7 6.8 -38.6 11.9 -24.4 8.0 -9.5 3.4 -19.7 3.0 89.5 1.4 -88.9 2.7 -89.9 5.9 -75.1 8.6	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/.1 -81.7 37.8 -81.7 76.1 -82.5 52.7 -80.1 61.4 -77.8 71.3 -78.9 66.1 -81.5 66.6 -81.9 90.9 -82.0 37.9 -81.5 22.3 -81.9 29.0 -81.5 22.3 -81.9 29.0 -81.9 29.0 -81.5 22.3	76  ALT 1356.80801  Ae 68.31768 67.31549 65.45739 67.12562 69.15384 72.04235 69.92504 68.53672 66.08729 64.33149 69.33612 62.05619 64.30540 65.88154 68.12790 64.11.82373	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  BLA AZPHAZ INCE 0.896 -93.4 69.4 0.924 -90.2 62.3 0.997 -85.6 57.1 0.902 -84.8 65.9 0.873 -90.3 67.6 0.800 -99.8 68.6 0.855 -95.3 63.1 0.902 -84.8 90.3 0.952 -90.2 57.5 0.904 -94.8 59.2 0.952 -90.2 57.6 0.907 -85.6 57.1 0.914 -82.2 52.1 0.914 -82.2 52.1 0.914 -82.2 52.1 0.914 -82.2 52.1 0.914 -82.2 52.1 0.914 -84.2 70.1 0.846 -84.2 70.1 0.846 -84.2 70.1	76 R 3092.263 2 PHAZ LMIS 3 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 1 42.3 24.2 2 42.3 24.2 2 53.1 8.9 52.9 18.5 53.1 8.9 553.6 8.6 53.6 8.8 53.1 8.9 53.8 8.6 53.6 3.0 3 48.3 12.6 2 43.0 22.4 3 7.9 32.6	POD SEQUENCE NO 158  V PTH AL 2.088 -72.305 116.609  PHA SCALE PT-PT 0.4 0.1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 139.15079 4-5 23.6 142.17699 5-6 22.4 157.70971 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6.3 165.89009 11-12 3.0 124.70138 12-13 12.4 128.64441 13-14 22.1 136.51738 14-15 33.8 120.82938 16-17 33.8 120.82938 16-17 33.8 120.82938 16-17
JULY 31,1964 13 MR 15 MIN 16  TRAJECTORY UATA  PHOTO DATA  PT LAT LUN RANGE 1 -11,500 -18,755 1487,05946 2 -12,860 -26,199 1416,44319 3 -8,555 -31,003 1365,98090 4 -8,327 -26,640 1383,84076 5 -8,085 -22,004 1426,28854 6 -12,732 -21,333 1462,05338 7 -17,857 -20,365 1529,71436 8 -17,835 -25,598 1478,30681 9 -17,900 -30,459 1456,29903 10 -13,015 -30,759 1397,20065 11 -8,555 -31,003 1365,98090 12 -5,133 -35,310 1361,53508 13 -4,882 -31,185 1357,84660 14 -4,596 -26,933 1375,29269 15 -4,266 -22,425 1416,39928 16 -3,873 -17,474 1485,82043 17 -7,821 -64,895 1498,36130 18 -12,639 -15,920 1540,01329 19 -17,999 -14,441 1618,5122	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.8 -69.7 8.8 -79.1 8.8 -19.7 3.0 -89.5 1.4 -88.9 2.7 -89.9 5.6 -89.9	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 44.1 -81.7 46.1 -82.5 52.7 -80.1 61.4 -77.8 71.3 -78.9 66.1 -81.9 50.9 -81.9 50.9 -81.9 29.0 -81.5 22.3 -81.5 22.3 -81.5 22.3 -81.5 22.3 -83.2 38.4 -85.3 36.4	ALT 1356.80801 A* 68.31768 67.31549 64.33149 65.45739 67.12562 69.15384 72.04235 69.92504 68.53672 66.08729 64.30540 68.30540 68.30540 68.12790 64.30540 68.12790 69.15642 71.68273 75.19548	ATLAS PHOTO NO  LAT LUN -4,940 -32,502  B/A AZPHAZ INCC 0.896 -93.4 69.4 0.924 -90.2 62.3 0.497 -85.6 57.1 0.969 -85.2 61.2 0.920 -84.8 65.9 0.804 -94.8 65.9 0.804 -94.8 69.2 0.804 -94.8 69.2 0.804 -94.8 69.2 0.805 -90.2 57.6 0.997 -85.6 57.1 0.997 -95.1 0.997	76 R 3092.263 2 PHAZ EMIS 39.2 32.8 2 39.2 32.8 2 347.5 22.4 1 53.1 8.9 42.3 24.2 2 42.1 29.6 2 42.1 29.6 2 42.1 37.5 28.8 31.7 1 53.1 8.9 52.9 18.5 153.1 8.9 558.8 6.4 559.8 6.4 659.8 38.0 22.4 137.9 32.6 137.9 32.6 3 36.8 38.6 3 36.8 38.6 3 37.1 45.6	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 19.4 0 -1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 130.9036C 3-4 23.4 130.9036C 3-6 23.4 137.5071 6-7 23.6 142.17699 5-6 22.4 157.76,971 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6-3 165.89009 11-12 3.0 124.70138 12-13 3.0 124.70138 12-13 3.1 136.51738 14-15 3.2 150.03972 15-16 33.8 120.82938 16-17 33.5 148.81030 17-18
JULY 31,1964 13 HR 15 MIN 16  TRAJECTORY UATA  PHUIO DATA  PT LAT LUN RANGE 1 -11.500 -18.755 1687.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28894 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.71436 8 -17.835 -25.598 1478.36681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090 12 -5.133 -35.310 1361.53508 13 -4.482 -31.185 1397.84660 14 -4.596 -26.933 1375.29269 15 -4.266 -22.425 1416.39928 16 -3.873 -17.474 1485.82043 17 -7.821 -16.895 1498.36130 18 -12.639 -15.900 1490.1329	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.8 -69.1 6.8 -69.7 8.8 -69.1 3.4 -6.2 4.0 -9.5 3.4 -19.7 3.6 -9.5 1.4 -88.9 2.6 -89.9 5.0 -89.9 5.0 -89.0	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.7 46.1 -81.7 37.8 -81.7 46.1 -81.7 36.1 -81.7 56.6 -81.9 50.9 -82.0 37.9 -81.9 50.9 -81.9 50.9 -81.9 50.9 -81.9 38.4 -83.2 38.4 -83.2 38.4 -85.3 38.4 -85.3 38.4	ALT 1356.80801 A* 68.31768 67.31549 64.33149 65.45739 67.12562 69.15384 72.04235 69.92504 68.53672 66.08729 64.33149 64.30540 65.88154 64.30540 65.88154 64.30540 67.15548 80.35039 67.15548 80.35039 67.15548 80.35039 67.15548 80.35039 67.16548	ATLAS PHOTO NO  LAT LUN -4,940 -32,502  B/A AZPHAE INCC 0.896 -93.4 69.4 0.924 -90.2 62.3 0.997 -85.6 57.1 0.969 -85.2 61.2 0.920 -84.8 65.5 0.809 -95.8 68.6 0.809 -95.8 68.6 0.854 -94.8 65.7 0.800 -95.8 68.6 0.854 -94.8 59.7 0.991 -85.6 57.1 0.992 -80.2 57.6 0.991 -85.6 57.1 0.994 -85.6 57.1 0.994 -86.0 65.1 0.994 -86.0 65.1 0.994 -86.0 65.1 0.994 -86.0 65.1 0.994 -86.9 60.1 0.994 -86.9 60.1 0.994 -86.9 60.1 0.994 -86.9 60.1 0.994 -86.9 65.1 0.994 -96.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.996 -90.9 65.1 0.998 -90.9 65.1	76 R 3092.263 2 PHAZ EMIS A 39.2 32.8 2 47.5 22.4 1 53.1 8.9 47.7 15.2 1 42.3 24.2 2 42.1 29.6 2 42.1 29.6 2 53.2 28.8 1 52.9 18.5 1 53.1 8.9 52.9 18.5 1 53.1 8.9 52.9 18.5 2 8.3 1 53.1 8.9 32.6 38.6 38.6 38.6 38.6 38.6 38.6 38.6 38	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 19.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 139.15079 4-5 23.6 142.17699 5-6 22.4 157.7671 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6.3 165.89009 11-12 3.0 124.70138 12-13 1.0 124.70138 12-13 1.24 128.64441 13-14 22.1 136.51738 14-15 33.8 120.82938 16-17 34.5 148.81030 17-18 33.8 120.82938 16-17 34.5 148.81030 17-18 34.1 167.97526 18-19 32.9 204.80080 19-20 19.7 190.36675 20-21
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JULY 31,1964 13 MR 15 MIN 16  TRAJECTGRY UATA  PHOID DATA PT LAT LON RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28894 6 -12.732 -21.333 1462.05338 7 -17.835 -25.598 1478.30681 9 -17.935 -25.598 1478.30681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090 12 -5.133 -35.310 1361.53508 13 -4.882 -31.185 1357.84660 14 -4.596 -26.933 1375.2920 15 -4.266 -22.425 1416.3928 16 -3.873 -17.474 1484.81203 17 -7.821 -16.895 1498.36130 18 -12.639 -15.920 1540.01329 19 -17.999 -14.441 1618.51222 20 -24.374 -12.024 1751.53501 21 -23.594 -30.065 1551.8632 22 -23.570 -24.728 1579.05232 24 -23.594 -35.181 1554.1871.1852 25 -18.042 -35.148 1559.85353	AZS/C AZN -19.7 6.8 -19.7 6.8 -19.7 3.0 -56.1 4.6 -50.7 8.8 -69.1 6.6 -50.7 8.8 -69.1 6.6 -9.5 3.4 -19.7 3.0 -9.5 1.4 -88.9 2.7 -89.9 5.9 -75.1 8.2 -40.3 22.4 -40.3 22.4 -40.3 22.4 -19.6 16.6 -18.6 10.5 -19.7 3.5 -19.7 3.5 -19.7 3.5 -19.7 3.5 -19.7 3.5 -19.7 3.5 -19.7 3.5 -19.7 3.5 -19.7 3.5 -19.9 5.9 -19.9 5.9	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/.1 -81.7 37.8 -81.7 46.1 -82.5 56.6 -77.8 71.3 -80.3 59.1 -81.9 50.9 -81.9 50.9 -81.9 29.0 -81.5 22.3 -82.1 30.4 -83.2 38.4 -83.2 38.4 -83.2 38.4 -85.3 45.2 -89.2 50.9 -84.4 58.3 -80.8 66.4 -77.5 75.4 -77.3 75.4	ALT 1356.80801 Ae 68.31768 67.31549 64.33149 64.33149 67.12562 69.15384 72.04235 69.92504 68.53672 66.08729 64.33149 60.93612 62.05619 64.30540 65.88154 67.13648 80.35039 67.13648 80.35039 67.736045 71.65669 72.00257 71.08543 67.73604	ATLAS PHOTO NO  LAT LUN -4.940 -32.502  B/A AZPHAE INCE 0.896 -93.4 69.4 0.924 -90.2 62.3 0.997 -85.6 57.1 0.969 -85.6 67.2 0.800 -95.8 68.6 0.801 -95.8 68.6 0.804 -94.8 55.6 0.813 -90.3 67.6 0.804 -94.8 59.2 0.884 -94.8 59.2 0.981 -81.6 57.1 0.992 -80.2 57.6 0.997 -85.6 57.1 0.994 -80.9 60.1 0.943 -80.9 60.1 0.943 -80.9 60.1 0.943 -80.9 60.1 0.943 -80.9 60.1 0.943 -80.9 60.1 0.943 -80.9 65.7 0.991 -96.4 74.0 0.933 -102.3 77.0 0.954 -96.3 72.0 0.954 -96.3 72.0 0.954 -96.3 75.0 0.975 -96.4 75.0 0.976 -96.4 75.0 0.976 -96.3 75.0 0.976 -96.3 75.0 0.976 -96.4 75.0 0.976 -96.4 75.0 0.976 -96.4 75.0 0.976 -96.4 75.0 0.976 -96.4 75.0 0.976 -96.4 75.0	76 R 3092.263 2 PHAZ EMIS 39.2 12.8 2 147.5 22.4 1 53.1 8.9 147.7 15.2 2.4 1 142.3 24.2 2 142.1 29.6 2 142.3 24.2 2 142.1 29.6 2 142.3 25.2 28.8 1 153.1 8.9 152.9 18.5 153.1 8.9 152.9 18.5 153.1 8.9 152.9 18.5 153.1 8.9 153.1 9.9 153.1	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 19.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 139.15079 4-5 23.6 142.17699 5-6 22.4 157.76971 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6.3 165.89009 11-12 3.0 124.70138 12-13 12.4 128.64441 13-14 22.1 136.51738 14-15 32.2 150.03972 15-16 33.8 120.82938 16-17 33.6 167.97526 18-19 32.9 204.80080 19-20 14.7 190.36675 20-21 8.0 162.25792 21-22 3.0 162.25792 21-22 3.0 162.25792 21-22 3.0 162.25792 21-22 3.0 162.2057 20-21 8.0 162.25792 21-23 3.15 142.09260 23-24 9-1 168.18151 14-25
JULY 31,1964 13 MR 15 MIN 16  TRAJECTGRY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383,84076 5 -8.085 -22.004 1426.28854 6 -12.732 -21.333 1462.05338 7 -17.857 -20.365 1529.71436 8 -17.835 -25.598 1478.30681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090 12 -2.133 -355.310 1361.53508 13 -4.882 -31.185 1357.84660 14 -4.596 -26.933 1375.2928 15 -4.266 -22.425 1416.39928 16 -3.873 -17.474 1485.82043 17 -7.821 -16.895 1498.36130 18 -12.639 -15.920 1540.01329 19 -17.999 -14.441 1618.51222 20 -24.374 -12.024 1751.55307 21 -23.828 -18.884 1641.29187 22 -23.570 -24.728 1579.05206 23 -23.504 -30.065 1551.86322 24 -23.594 -35.181 1554.18721 25 -18.042 -35.148 1459.85335 26 -13.198 -35.172 1401.25391	AZS/C AZN -19.7 6.8 -34.8 6.1 -19.7 3.0 -56.1 4.8 -69.1 6.6 -50.7 8.8 -50.7 8.8 -19.7 3.0 -9.5 3.4 -19.7 3.6 -9.5 3.4 -19.7 3.6 -89.9 5.6 -89.9 5.6 -89.9 5.6 -89.9 5.6 -89.9 6.6 -40.3 22.4 -40.3 22.4 -40.3 22.4 -30.6 16.6 -18.6 10.5 -4.6 5.9 -9.0 13.2 -0.1	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79.3 63.4 -80.4 55.2 -80.3 59.1 -81.1 4/.1 -81.7 37.8 -81.7 46.1 -82.5 52.7 -80.1 61.4 -77.8 71.3 -80.3 59.1 -81.5 66.6 -81.9 50.9 -82.0 37.9 -81.5 22.3 -82.1 30.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -85.3 36.4 -75.7 75.4	ALT 1356.80801 A* 68.31768 67.31549 64.33149 65.45739 67.12562 69.15384 72.04235 69.92504 68.53672 66.08729 64.33149 60.93612 62.05619 64.30540 64.12790 64.12790 64.12790 65.3672 75.19548 80.35039 76.76645 71.08543 67.3604 65.3601	ATLAS PHOTO NO  LAT LUN -4,940 -32,502  B4/A AZPHAZ INCO 0.896 -93.4 69.4 0.924 -90.2 62.3 0.4997 -85.6 57.1 0.4969 -85.2 61.2 0.920 -84.8 65.9 0.893 -90.3 67.6 0.800 -95.8 68.6 0.894 -94.8 59.2 0.895 -90.2 57.6 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.997 -85.6 57.1 0.998 -90.3 72.1 0.998 -90.3 72.1 0.998 -90.3 72.1 0.998 -90.3 72.1 0.998 -90.3 72.1 0.998 -90.3 72.1 0.998 -90.3 72.1 0.998 -90.3 72.1 0.998 -90.3 55.1	76 R 3092.263 2 PHAZ EMIS 34.263 2 1 PHAZ EMIS 39.2 32.8 2 1 47.7 5 22.4 1 2 53.1 8.9 447.7 15.2 1 42.3 24.2 2 2 42.2 32.4 2 2 43.3 24.2 2 2 53.2 28.8 3 5 52.9 18.5 1 5 53.1 8.9 5 5 53.8 8.9 5 5 53.6 3.0 3 3 48.3 12.6 2 2 43.0 22.4 1 3 7.9 32.6 1 3 7.9 32.6 1 3 7.9 32.6 2 3 3.1 8.9 3 5 3.3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 92.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 139.15079 4-5 23.4 139.15079 4-5 23.6 142.17699 5-6 22.4 157.76971 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6.3 165.89009 11-12 3.0 124.70138 12-13 124.4 128.64441 13-14 22.1 136.51438 14-15 32.2 150.03972 15-16 33.8 120.82938 16-17 34.5 148.81030 17-18 32.9 204.80080 19-20 19.7 190.36675 20-21 18.0 162.25792 21-22 -3.0 148.20345 22-24 -9.1 168.18151 24-25 -6.8 144.72462 25-26
JULY 31,1964 13 MR 15 MIN 16  TRAJECTGRY UATA  PHOID DATA PT LAT LON RANGE 1 -11.500 -18.755 1487.05946 2 -12.860 -26.199 1416.44319 3 -8.555 -31.003 1365.98090 4 -8.327 -26.640 1383.84076 5 -8.085 -22.004 1426.28894 6 -12.732 -21.333 1462.05338 7 -17.835 -25.598 1478.30681 9 -17.935 -25.598 1478.30681 9 -17.900 -30.459 1456.29903 10 -13.015 -30.759 1397.20065 11 -8.555 -31.003 1365.98090 12 -5.133 -35.310 1361.53508 13 -4.882 -31.185 1357.84660 14 -4.596 -26.933 1375.2920 15 -4.266 -22.425 1416.3928 16 -3.873 -17.474 1484.81203 17 -7.821 -16.895 1498.36130 18 -12.639 -15.920 1540.01329 19 -17.999 -14.441 1618.51222 20 -24.374 -12.024 1751.53501 21 -23.594 -30.065 1551.8632 22 -23.570 -24.728 1579.05232 24 -23.594 -35.181 1554.1871.1852 25 -18.042 -35.148 1559.85353	AZS/C AZN -19.7 6.8 -19.7 6.8 -69.1 6.6 -50.7 8.8 -69.1 6.6 -50.7 8.8 -69.1 3.0 -69.1 3.0 -89.5 1.6 -9.5 3.0 -9.5 3.0 -9.5 3.0 -88.9 2.7 -89.9 5.0 -75.1 8.8 -60.3 11.4 -60.3 12.4 -60.3 12	TAB NC  SEC TO IMPAC 632.246  AZSUN AZA -79-3 63-4 -80-3 59-1 -81-1 4/-1 -81-7 37-8 -81-7 46-1 -82-5 52-7 -80-1 61-4 -77-8 71-3 -78-9 66-1 -81-9 50-9 -82-0 37-9 -81-9 50-9 -81-9 50-9 -81-9 52-3 -81-9 50-9 -81-9 52-3 -81-9 50-9 -81-9 52-3 -81-9 50-9 -81-9 52-3 -81-9 52-3 -81-9 52-3 -81-9 52-3 -81-9 53-3 -81-9 53-3 -81-9 53-3 -81-9 53-3 -81-9 53-3 -81-9 53-3 -71-2 78-8 -71-3 78-8 -71-7 78-8 -71-	ALT 1356.80801 68.31768 67.31549 64.33149 65.45739 67.12562 69.92504 68.53672 66.08729 64.30540 64.30540 64.30540 64.30540 64.30540 67.165669 71.65669 72.00257 71.08543 71.73604 63.35273	ATLAS PHOTO NO  LAT LUN -4-940 -32-502  B/A AZPHAE INCE 0.896 -93.4 69.4 0.924 -90.2 62.3 0.497 -85.6 57.1 0.969 -85.8 68.6 0.803 -95.8 68.6 0.803 -95.8 68.6 0.804 -94.8 55.6 0.803 -95.8 68.7 0.907 -85.6 57.1 0.907 -85.6 57.1 0.917 -85.6 57.1 0.917 -85.6 57.1 0.917 -85.6 57.1 0.917 -85.6 57.1 0.917 -85.6 57.1 0.917 -85.6 57.1 0.917 -85.6 57.1 0.917 -85.6 57.1 0.917 -85.6 57.1 0.918 -81.6 56.1 0.919 -90.2 57.6 0.919 -90.3 72.6 0.919 -96.4 74.1 0.919 -96.4 74.1 0.919 -96.4 74.1 0.919 -96.4 74.1 0.919 -96.4 74.1 0.919 -96.4 74.1 0.919 -96.4 74.1 0.919 -96.4 74.1 0.919 -96.5 53.1 0.919 -96.5 53.1 0.919 -96.5 53.1 0.919 -96.5 53.1	76 R  3092.263 2  PHAZ EMIS A  39.2 32.8 2  47.5 22.4 1  53.1 8.9  47.7 15.2 2.4 1  42.3 24.2 2  42.1 29.6 2  42.4 37.5 2  42.8 37.5 2  42.8 37.5 2  42.8 37.5 2  42.8 37.5 2  42.8 37.7 3  42.8 37.7 3  42.8 37.7 3  42.8 37.7 3  42.8 37.7 3  42.8 37.7 3  42.8 37.7 3  42.8 37.7 3  43.8 3 12.6 2  58.8 3 12.6 2  58.8 3 12.6 2  58.8 3 12.6 2  58.8 3 12.6 2  58.8 3 12.6 2  58.8 3 12.6 2  58.8 3 12.6 2  58.8 10.6 2  58.8 10.6 2  58.8 10.6 5	POD SEQUENCE NO 158  V PTH AZ 2.088 -72.305 116.609  PHA SCALE PT-PT 19.4 0. 0-1 13.2 224.19646 1-2 3.6 193.46047 2-3 13.4 130.9036C 3-4 23.4 139.15079 4-5 23.6 142.17699 5-6 22.4 157.76971 6-7 11.5 150.88223 7-8 1.0 140.13684 8-9 3.1 148.22593 9-10 3.6 135.29132 10-11 6.3 165.89009 11-12 3.0 124.70138 12-13 12.4 128.64441 13-14 22.1 136.51738 14-15 32.2 150.03972 15-16 33.8 120.82938 16-17 33.5 142.0326 13-18 34.1 167.97526 18-19 34.1 167.97526 18-19 32.9 204.80080 19-20 19.7 190.36675 20-21 8.0 162.25792 21-22 3.0 142.20545 22-23 13.5 142.09260 23-24 -9.1 168.18151 24-25

					RA-V11	CAMER	A FA								39
JULY 31,19	364 13 H	R 15 MIN 21	SEC 673	s MS		TAB NO	77	ATL	AS PHOT	0 NO	77		POD	SEQUENCE N	10 160
TRAJECTOR	RY DATA				SEC TO	IMPACT	ALT	LA	т .	.ON		R	٧	PTH	AZ
PHOTO DAT	ГА				627.		1346.61886				30			72.265 1	16.602
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A	AZPHAZ	INCD	PHA7	ENIS	AI PHA	SCALE	PT-P1
1 -11.490	-18.774	1476.02040	-19.9	6.8	-79.4		67.82175	0.896	-93.4	69.4	39.2	32.8	29.3	0.	0- 1
		1406.20285	-34.9 -20.2	6.2 3.0	-80.4 -80.3	55.1 58.8	66.82883 63.85586			62.4	47.5	22.5 8.9		221.97565	
4 -8.352	-26.580	1373.78987	-56.1	4.8	-81.1		64.98189			61.4	47.7	15.3	13.4	192.10435	
		1416.05052	-69.0 -50.8	6.6	-81.7		66.64359	0.920	-84.8	65.9	42.3	24.2	23.4	138.18200	4- 5
	-20.348	1518.73241	-30.8	8.8	-81.8 -82.5	46.0 52.7	68.65986 71.52520					29.6 37.5	23.6	141.17100	
B -17.790	-25.544	1467.57376	-24.5	8.0	-80.2	61.3	69.41728	0.855	~95.3			31.7	11.6	149.83396	
		1445.51964	-6.4 -9.8	4.1 3.4	-77.9 -78.9	71-1	68.02923	0.884	-94.8			28.8	1.1	139.14174	8- 9
11 -8.579		1355.88100	-20.2	3.0	-80.3		65.60050 63.85586				52.9	18.5 8.9	3.2 3.7	147.11038	
12 -5.183		1351.14671	88.9	1.4	-81.5	66.1	60.45700	0.973	-82.2	52.6	58.8	6.3	-6.2	164.65193	
13 -4.933 14 -4.649	-26-873	1347.71878 1365.20840	-87.8 -89.5	2.7 3.9	-81.8 -82.0		61.59862			56.6	53.6	3.1	3.1	123.75355	12-13
5 -4.320		1406.12804	-89.7	5.0	-81.9		63.83362		-80.9 -80.0	65.3	48.3	12.6	12.5	127.71611	
6 -3.930	-17.480	1475.08148	-89.8	5.9	-81.5	22.4	67.63479	0.870	-79.0	70.1	37.8	32.6	32.2	148.96896	
7 ~7.849 8 -12.633		1487.64697 1529.04642	-75.0 -60.3	8.2	-82.1 -83.2	30.4	69.01901			70.9	37.1	34.1	33.8	119.97229	16-17
9 -17.953	-14.468	1606.88846	-48.8	15.7	-85.3	45.1	71.31228 74.65566		-90.3 -96.4	72.2		38.6 45.6		147.76029	
0 -24.276	-12.081	1738.54297	-40.3	22.3	-89.1	50.9	79.75379	0.595	-102.3			55.0		203.03341	
1 -23.736 2 -23.480	-18.882	1629.24232	-30.7 -10.7	16.6	-84.4 80.8	58.2	75.70642	0.693	-101.2	70.9			19.7	188.87470	20-21
3 -23.413	-29.974	1540.15816	-4.8	5.1	-77.6	75.2	71.45894		-99.4		48.5		8.1 -2.9	161.09655	
4 -23.499		1542.11899	9.7	-0.7	-74.4	84.8	70.53283	0.795	-98.7	56.5	58.9	39.9	-13.4	140.99924	
5 -17.993 6 -13.187		1448.75610 1390.67233	13.0 19.5	0.1	-75.5 -77.2	82.0 78.4	67.21889		-94.5				-9.0	166.75025	
27 -8.797	-35.111	1359.64885	37.0	1.1	-79.4	71.4	62.86293		-90.2 -85.9			19.4	-6.7 -5.8	145.58355	
8 -5.183	-35.189	1351.14671	88.9	1.4	-81.5	66.1	60.45700	0.973	-82.2	52.6	58.8	6.3	-6.2	109.49404	
ULY 31,19	64 13 HF	R 15 MIN 26	SEC 793	MS	1	TAB NO	78	ATL	AS PHOTO	) NO	78		POD S	SEQUENCE N	0 162
TRAJECTOR															
INMUEGIUK	Y DATA				SEC TO		ALT	LA	T L	ON		R	٧	PTH	AZ
PHOTO DAT							ALT 1336.41971	LA1	T L 994 -32	ON • 393	30			PTH -72.225 1	
PHOTO DAT	A LON	RANGE	AZS/C	AZN	622.	006 AZA		-4.	994 -32	. 393		71.875	2.093	-72.225 1	16.595
PHOTO DAT. T LAT 1 -11-481	A LON ~18.794	1464.96884	-20.0	6.8	622. AZSUN -79.4	006 AZA 63.0	1336.41971 A* 67.32520	-4.9 B/A 0.896	994 -32 AZPHAZ -93.4	.393 INCD 69.3	PHAZ 39.3	71.875 EMIS 32.7	2.093 ALPHA 29.3	-72.225 1 SCALE 0.	16.595 PT-PT 0- 1
PHOTO DAT T LAT 1 -11.481 2 -12.845	LON -18.794 -26.084	1464.96884 1395.94934	-20.0 -35.1	6.8 6.2	622. AZSUN -79.4 -80.4	006 AZA 63.0 54.9	A* 67.32520 66.34154	-4.9 B/A 0.896 0.924	994 -32 AZPHAZ -93.4 -90.2	.393 INCD 69.3 62.4	PHAZ 39.3 47.5	71.875 EMIS 32.7 22.5	2.093 ALPHA 29.3 13.3	5CALE 0. 219.75846	16.595 PT-PT 0- 1 1- 2
PHOTO DAT. T LAT 1 -11.481 2 -12.845 3 -8.602 4 -8.377	LON -18.794 -26.084 -30.822 -26.521	1464.96884 1395.94934 1345.77199 1363.72693	-20.0 -35.1 -20.7 -56.2	6.8 6.2 3.0 4.8	622. AZSUN -79.4 -80.4 -80.3 -81.1	006 AZA 63.0 54.9 58.6 47.0	1336.41971 A* 67.32520	-4.9 B/A 0.896 0.924 0.997	994 -32 AZPHAZ -93.4	.393 INCD 69.3 62.4 57.3	PHAZ 39.3 47.5 53.1	71.875 EMIS 32.7 22.5 9.0	2.093 ALPHA 29.3 13.3 3.8	SCALE 0. 219.75846 190.74602	PT-PT 0- 1 1- 2 2- 3
PHOTO DAT. T LAT 1 -11.481 2 -12.845 3 -8.602 4 -8.377 5 -8.139	LON -18.794 -26.084 -30.822 -26.521 -21.949	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807	-20.0 -35.1 -20.7 -56.2 -69.0	6.8 6.2 3.0 4.8 6.6	622. AZSUN -79.4 -80.4 -80.3 -81.1 -81.6	006 AZA 63.0 54.9 58.6 47.0 37.8	A* 67.32520 66.34154 63.37980 64.50582 66.16088	B/A 0.896 0.924 0.997 0.969 0.920	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8	.393 INCD 69.3 62.4 57.3 61.5 66.0	PHAZ 39.3 47.5 53.1 47.7 42.3	71.875 EMIS 32.7 22.5 9.0 15.3 24.3	ALPHA 29.3 13.3 3.8 13.5 23.5	SCALE 0. 219.75846 190.74602 129.03228 137.21141	PT-PT 0- 1 1- 2 2- 3 3- 4
PHOTO DAT.  T LAT  1 -11.481 2 -12.845 3 -8.602 4 -8.377 5 -8.139 6 -12.720 7 -17.769	A LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.285	1464.96884 1395.94934 1345.77199 1363.72693	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8	6.8 6.2 3.0 4.8	622. AZSUN -79.4 -80.4 -80.3 -81.1	006 AZA 63.0 54.9 58.6 47.0 37.8 46.0	1336.41971 A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513	-4.°  B/A 0.896 0.924 0.997 0.969 0.920 0.873	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1	PHAZ 39.3 47.5 53.1 47.7 42.3 42.1	71.875 EMIS 32.7 22.5 9.0 15.3 24.3 29.6	ALPHA 29.3 13.3 3.8 13.5 23.5 23.7	SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
PHOTO DAT.  T LAT  1 -11.481 2 -12.845 3 -8.602 4 -8.377 5 -8.139 6 -12.720 7 +17.769 8 +17.746	LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.283 -20.331 -25.489	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6	6.8 6.2 3.0 4.8 6.6 8.8 11.9	AZSUN -79.4 -80.4 -80.3 -81.1 -81.6 -81.8 -82.5 -80.2	006 AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1	A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887	-4.° B/A 0.896 0.924 0.997 0.969 0.920 0.873 0.800 0.855	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6	PHAZ 39.3 47.5 53.1 47.7 42.3 42.1 42.4	71.875 EMIS 32.7 22.5 9.0 15.3 24.3	ALPHA 29.3 13.3 3.8 13.5 23.5 23.7 22.5	SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 155.46083	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DAT.  T LAT 1 -11.481 2 -12.845 3 -8.602 4 -8.377 5 -8.139 6 -12.720 7 -17.769 8 -17.746 9 -17.808	LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.279	1464.96884 1395.94934 1345.77119 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1434.73027	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -6.6	6.8 6.2 3.0 4.8 6.6 8.8 11.9 8.0 4.1	AZSUN -79.4 -80.4 -80.3 -81.1 -81.6 -81.8 -82.5 -80.2 -78.0	006 AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1 70.8	A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127	-4.° B/A 0.896 0.924 0.997 0.969 0.920 0.873 0.800 0.855	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -94.8	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3	PHAZ 39.3 47.5 53.1 47.7 42.3 42.1 42.4 47.8 53.2	71.875 EMIS 32.7 22.5 9.0 15.3 24.3 29.6 37.5 31.7 28.7	ALPHA 29.3 13.3 3.8 13.5 23.5 23.7 22.5 11.6 1.3	SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 155.46083 148.78356 138.14528	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9
PHOTU DAT.  T LAT  1 -11 -481  2 -12 -845  3 -8 -602  4 -8 -377  5 -8 -139  6 -12 -720  7 -17 -769  8 -17 -746  9 -17 -869  0 -12 -997	LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.279 -30.279	1464.96884 1395.94934 1345.7719 1363.72693 1405.79807 1441.15004 1507.73412 1456.8272 1434.73027 1376.60742	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -6.6 -10.1	6.8 6.2 3.0 4.8 6.6 8.8 11.9 8.0 4.1 3.4	622. AZSUN -79.4 -80.3 -81.1 -81.6 -81.8 -82.5 -80.2 -78.9	006 AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1 70.8 65.6	1336.41971 A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323	-4.° B/A 0.896 0.924 0.997 0.969 0.920 0.873 0.800 0.855 0.885	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -90.2	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3 58.1	PHAZ 39.3 47.5 53.1 47.7 42.3 42.1 42.4 47.8 53.2 52.9	71.875 EM1S 32.7 22.5 9.0 15.3 24.3 29.6 37.5 31.7 28.7 18.6	ALPHA 29.3 13.3 3.8 13.5 23.7 22.5 11.6 1.3 3.3	72.225 1 SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 155.46083 148.78355 138.14528 145.99387	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10
PHOTO DAT. T LAT 1 -11.481 2 -12.845 3 -8.602 4 -8.377 5 -8.139 6 -12.720 7 -17.769 8 -17.746 8 -17.746 0 -12.997 1 -8.602 2 -5.233	LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.279 -30.578 -30.822 -35.067	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1434.73027 1376.60742 1345.77199 1340.75435	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -6.6 -10.1 -20.7 88.3	6.8 6.2 3.0 4.8 6.6 8.8 11.9 8.0 4.1 3.4 3.0	622. AZ SUN -79.4 -80.3 -81.1 -81.6 -81.8 -82.5 -80.2 -78.0 -78.9 -80.3	006 AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1 70.8 65.6 55.6	A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980	-4.° B/A 0.896 0.924 0.969 0.920 0.873 0.800 0.855 0.885 0.997	994 -32  AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -90.2 -85.2	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3 58.1 57.3	PHAZ 39.3 47.5 53.1 47.7 42.3 42.1 42.4 47.8 53.2	71.875 EM1S 32.7 22.5 9.0 15.3 24.3 29.6 37.5 31.7 28.7 18.6	ALPHA 29.3 13.3 3.8 13.5 23.5 23.7 22.5 11.6 1.3 3.3	SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 155.46083 148.78356 138.14528	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11
PHOTO DAT.  1 LAT 1 -11.461 2 -12.845 3 -8.602 4 -8.377 5 -8.139 6 -12.720 7 -17.769 8 -17.746 9 -17.808 0 -12.997 1 -8.602 2 -5.233 3 -4.983	LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.279 -30.578 -30.822 -35.067	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1434.73027 1376.60742 1345.77199 1340.75435 1337.58322	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -6.6 -10.1 -20.7 -88.3 -86.8	6.8 6.2 3.0 4.8 6.6 8.8 11.9 8.0 4.1 3.4 3.4	622.  AZSUN -79.4 -80.4 -80.3 -81.6 -81.8 -82.5 -80.2 -78.0 -78.9 -80.3 -81.8	006  AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1 70.8 65.6 58.6 65.7	1336.41971  A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 59.97827 61.14084	-4.° B/A 0.896 0.924 0.969 0.920 0.873 0.800 0.855 0.885 0.997 0.973	994 -32  AZPHAZ -93.4 -90.2 -85.6 -85.6 -89.3 -95.8 -90.3 -94.8 -90.2 -85.6 -85.6 -81.6	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3 58.1 57.3 52.7	PHAZ 39.3 47.5 53.1 47.7 42.3 42.4 47.8 53.2 53.2 53.1 58.8 53.6	71.875 EMIS 32.7 22.5 9.0 15.3 29.6 37.5 31.7 28.7 18.6 9.0 6.1	ALPHA 29.3 13.3 13.5 23.5 23.5 22.7 11.6 1.3 3.3 3.8	72.225 1 SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 148.78355 138.14528 148.7835 138.31032 163.41348 122.80569	16.595 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13
PHOTO DAT.  T LAT 1 -11 -481 2 -12 -845 3 -8 -602 4 -8 -377 5 -8 -139 6 -12 -720 7 -17 -766 9 -17 -808 0 -12 -997 1 -8 -602 2 -5 -233 4 -4 -833 4 -4 -701	LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.578 -30.578 -30.578 -31.004 -26.813	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1434.73027 1376.60742 1345.77199 1340.75435 1337.5832	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -6.6 -10.1 -20.7 -88.3 -86.8	6.8 6.2 3.0 4.8 6.6 8.8 11.9 8.0 4.1 3.0 1.4 2.7	622. AZSUN -79-4 -80-4 -80-3 -81-6 -81-8 -82-5 -80-2 -78-0 -78-9 -80-3 -81-5 -81-9	006 AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1 70.8 58.6 65.6 58.6	1336.41971  A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 59.97827 61.14084 63.36135	-4.° B/A 0.896 0.924 0.997 0.969 0.873 0.800 0.855 0.885 0.952 0.997 0.973 0.981	994 -32  AZPHAZ -93.4 -90.2 -85.6 -85.6 -85.8 -90.3 -95.8 -95.8 -90.6 -82.2 -81.6	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3 58.1 57.3 52.7 60.9	PHAZ 39.3 47.5 53.1 42.3 42.1 42.4 47.8 53.2 52.9 53.1 53.6 48.3	71.875 EMIS 32.7 22.5 9.0 15.3 24.3 29.6 37.7 28.7 18.6 9.0 6.1 3.2 12.7	ALPHA 29.3 13.3 3.8 13.5 23.5 23.7 22.5 11.6 1.3 3.3 3.8 -6.1	72.225 1  SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 155.46083 148.78355 138.14528 145.99387 133.31032 163.41348 122.80569	16.595 PT-P1 0- 1 1- 2 3- 4 4- 5 6- 7 7- 8 9-10 10-11 11-12 12-13 13-14
PHOTO DAT. 1 LAT 1 -11.481 2 -12.845 3 -8.602 4 -8.377 5 -8.139 6 -12.720 7 -17.769 8 -17.746 8 -17.746 0 -12.997 1 -8.602 2 -5.233 4 -4.701 5 -4.374 6 -3.987	LON -18.794 -26.084 -30.822 -26.521 -21.285 -20.331 -25.489 -30.279 -30.578 -30.578 -30.578 -30.522 -35.067 -22.367 -71.487	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1434.73027 1376.60742 1345.77199 1340.75435 1397.58322 1355.11357 1395.84406	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -10.1 -20.7 88.3 -86.8 -89.2 -89.5	6.8 6.2 3.0 4.8 6.6 8.0 4.1 3.4 3.0 1.4 2.7 3.0 6.0	AZSUN -79.4 -80.4 -80.3 -81.1 -81.6 -81.6 -82.5 -80.2 -78.9 -80.3 -81.5 -81.9	006  AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1 70.8 65.6 58.6 65.7 50.6 38.0 29.2 22.5	1336.41971  A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 59.97827 61.14084 63.36135 64.92449	-4.° B/A 0.896 0.924 0.997 0.969 0.873 0.800 0.855 0.985 0.997 0.973 0.981 0.991 0.993 0.9871	AZPHAZ -93.4 -90.2 -85.6 -85.2 -95.8 -95.3 -95.8 -95.3 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.0 -79.0	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3 58.1 57.3 52.7 60.9 65.0 70.1	PHAZ 39.3 47.5 47.7 42.3 42.1 42.4 47.8 53.9 53.1 58.8 53.6 48.3 43.8	71.875 EMIS 7 22.5 9.0 15.3 24.3 29.6 37.5 31.7 28.7 18.6 0 6.1 3.2 12.7 232.6	ALPHA 29.3 13.3 3.8 13.5 23.7 22.5 11.6 1.3 3.3 3.8 4.1 3.2 12.6 22.2	72.225 1  SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 155.46083 148.78355 138.14528 145.99387 133.31032 163.41348 122.80569	16.595 PT-PT O- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 14-15
PHOTO DAT.  1 - 11 - 481 2 - 12 - 84-5 3 - 8-602 3 - 8-139 6 - 12 - 720 7 - 17 - 769 9 - 17 - 769 1 - 8-602 2 - 5-233 3 - 4-983 4 - 4-701 5 - 4-374 6 - 3-987 7 - 7-878	LUN -18.794 -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.279 -30.872 -35.067 -31.004 -26.813 -22.357 -17.487 -17.487	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1434.73027 1376.60742 1345.77199 1340.75435 1337.58322 1395.84406 1464.32819 1476.91631	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -6.6 -10.1 -20.7 88.3 -86.8 -89.2 -89.5 -74.9	6.8 6.2 3.0 4.6 6.6 8.8 11.9 8.0 4.1 3.0 1.4 2.7 3.9 5.0 6.0 8.2	AZSUN -79.4 -80.4 -80.3 -81.1 -81.6 -81.8 -82.5 -78.9 -78.9 -81.8 -81.5 -81.8 -81.8	006  AZA 63.0 54.9 54.9 54.0 37.8 46.0 52.6 61.1 70.8 65.6 65.7 50.6 38.0 29.2 22.5	1336.41971  A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 64.92449 67.14103 68.52085	B/A 0.896 0.924 0.997 0.969 0.873 0.800 0.855 0.952 0.997 0.993 0.991 0.994 0.943 0.871 0.846	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -90.2 -84.8 -90.2 -81.6 -82.2 -81.6 -80.0 -79.0 -84.2	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3 58.1 57.3 52.7 60.9 65.3 70.1	PHAZ 39.3 47.5 53.1 47.7 42.3 42.1 42.4 47.8 53.9 53.1 58.8 53.6 48.3 43.0 37.1	71.875 EMIS 722.5 9.0 15.3 24.3 29.6 31.7 28.7 18.6 9.0 6.1 3.2 12.7 22.5 34.1	ALPHA 29.3 13.3 3.8 13.5 23.7 22.5 11.6 3.3 3.8 -6.1 12.6 22.2 33.8	72.225 1 SCALE 0219.75846 199.74602 129.03228 137.21141 140.16344 155.46083 148.78355 138.14528 145.99387 133.31032 163.41348 122.80569 126.78684 147.89641 147.89641 119.11392	16.595 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17
PHOTO DAT.  1 L1 - 481 2 - 12 - 84-5 3 - 8 - 602 4 - 8 - 377 5 - 8 - 139 6 - 12 - 720 7 - 17 - 746 9 - 17 - 746 9 - 17 - 803 3 - 4 - 903 4 - 4 - 701 5 - 4 - 374 6 - 3 - 987 7 - 7 - 787 8 8 - 12 - 628 8 - 12 - 628 8 - 12 - 628 8 - 12 - 628 8 - 12 - 628 9 - 17 - 908	A LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.279 -30.279 -30.279 -30.279 -31.004 -26.813 -22.367 -16.912 -15.948	1464.96884 1395.94934 1395.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1454.73027 1376.60742 1345.77199 1340.75435 1337.58322 1355.11357 1395.84406 1464.32819 1476.91631 1518.00165	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -10.1 -20.7 88.3 -86.8 -89.2 -89.5	6.8 6.2 3.0 4.8 6.6 8.0 4.1 3.4 3.0 1.4 2.7 3.0 6.0	AZSUN -79.4 -80.4 -80.3 -81.1 -81.6 -81.6 -82.5 -80.2 -78.9 -80.3 -81.5 -81.9	006  AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1 65.6 65.7 50.6 38.0 29.2 22.5 30.5	1336.41971  A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 59.97827 61.14084 63.36135 64.92449 67.14103 68.52085 70.79998	B/A 0.896 0.924 0.997 0.929 0.873 0.800 0.855 0.952 0.997 0.973 0.981 0.991 0.943 0.871 0.846 0.796	AZPHAZ - 93.4 - 90.2 - 85.6 - 85.2 - 84.8 - 90.3 - 95.8 - 95.3 - 95.8 - 90.2 - 85.6 - 82.2 - 81.6 - 80.9 - 80.0 - 79.0 - 84.2 - 90.3	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3 58.1 57.3 52.7 60.9 65.3 70.1 70.9 72.2	PHAZ 47.3 47.7 42.3 42.4 47.8 53.9 53.6 48.3 43.0 37.8 36.7	71.875 EMIS 7.22.5 9.0 15.3 24.6 37.5 31.7 18.6 9.0 6.1 3.27 22.5 32.6 334.1 38.6	2.093 ALPHA 29.3 13.3 3.8 13.5 23.5 23.5 21.6 1.3 3.8 6.1 3.2 12.6 22.2 32.2 33.8	72.225 1 SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.1634 148.78355 188.14528 145.99387 133.31032 163.41348 122.80569 126.78684 134.59184 147.8944 119.11392	16.595 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
PHOTO DAT.  1 -11 -481 1 -11 -481 2 -12 -845 3 -8 -602 4 -8 -377 5 -8 -139 6 -12 -720 7 -17 -769 8 -17 -769 8 -17 -769 9 -17 -808 0 -12 -997 1 -8 -602 2 -5 -233 3 -4 -983 4 -4 -701 5 -4 -374 6 -3 -987 7 -7 -878 8 -12 -628 9 -17 -908 0 -24 -17 -908	A LON -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.279 -30.578 -30.822 -35.067 -17.487 -16.912 -15.948 -14.496 -14.496 -14.496	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1450.82721 1456.82721 1376.60742 1375.60742 1375.7199 1340.75435 1395.84406 1464.32819 1476.91631 1518.06165 1595.24649 1725.51967	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -60.1 -20.7 88.3 -86.8 -89.2 -89.5 -74.9 -60.3 -40.4	6.8 6.2 3.0 4.8 6.6 8.8 11.9 8.0 4.1 3.4 3.7 3.9 5.0 6.0 8.2 11.4 15.7 22.2	AZ SUN -79-4 -80-3 -81-1 -81-6 -81-8 -82-5 -80-2 -78-9 -80-3 -81-5 -81-8 -81-5 -82-5 -81-8 -81-5 -82-5 -81-8 -81-5 -82-3	006  AZA 63.0 54.0 58.6 47.0 37.8 46.0 52.6 61.1 70.8 65.6 65.7 50.6 65.7 50.8 29.2 22.5 38.4 45.1	1336.41971 A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 59.97827 61.14084 63.36135 64.92449 67.14103 68.52087 74.11409	B/A 0.896 0.924 0.997 0.969 0.873 0.805 0.855 0.855 0.985 0.997 0.973 0.991 0.991 0.991 0.943 0.876 0.716 0.716	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -85.6 -80.9 -80.9 -80.9 -80.9 -80.9 -80.1 -79.0 -84.2 -90.3 -96.4 -102.3	.393 INCD 69.3 62.4 57.3 66.0 67.1 68.6 63.8 59.3 52.7 56.7 60.9 65.3 70.1 70.9 72.2 74.1	PHAZ 347.3 53.1 47.7 42.3 42.4 47.8 53.9 58.8 58.6 48.3 43.0 37.1 36.7 37.1 38.1	71.875 EM187 22.5 9.0 15.3 24.3 29.6 31.7 28.7 28.7 28.7 28.7 28.7 22.5 34.1 38.6 45.9	ALPHA 29.3 13.3 3.8 13.5 23.7 22.5 11.6 3.3 3.8 -6.1 12.6 22.2 33.8	72.225 1 SCALE 0219.75846 199.74602 129.03228 137.21141 140.16344 155.46083 148.78355 138.14528 145.99387 133.31032 163.41348 122.80569 126.78684 147.89641 147.89641 119.11392	16.595 PT-PT 0-1 1-2 2-3 3-4-5 5-6 7 7-8 8-9 9-10 10-11 12-13 13-14 16-17 17-18
PHOTO DAT.  1 -11 -481 1 -11 -481 2 -12 -845 3 -8 -602 4 -8 -377 5 -8 -199 6 -12 -720 7 -17 -769 8 -17 -769 8 -17 -760 0 -12 -997 1 -8 -602 2 -5 -233 3 -4 -983 4 -4 -701 5 -4 -374 6 -3 -987 7 -7 -878 8 -12 -628 9 -17 -908 0 -24 -178 1 -23 -644	A LON -18.794 -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.279 -30.578 -30.872 -35.067 -31.004 -26.813 -22.367 -16.912 -15.948 -14.496 -12.137	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1434.73027 1376.60742 1345.77199 1340.775435 1337.58322 1375.1357 1395.84406 1464.32819 1476.91631 1518.06165 1595.24649 1725.51967	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -10.1 -20.7 88.3 -89.2 -89.2 -89.2 -89.7 -74.9 -60.3 -40.8	6.8 6.2 3.0 4.8 6.6 8.9 8.0 4.1 3.0 4.1 3.7 5.0 6.0 8.2 11.4 15.7 22.5	AZSUN -79-4 -80-4 -80-3 -81-1 -81-6 -81-8 -82-5 -78-0 -78-0 -81-5 -81-5 -81-9 -81-5 -82-1 -83-2 -85-3 -89-1	AZA 63.0 54.9 58.6 47.0 37.8 46.0 61.1 70.8 65.6 65.6 38.0 22.5 30.5 38.0 22.5 30.5	1336.41971  A*  67.32520 66.34154 63.37980 64.505582 66.16088 681.16513 71.00727 65.11323 63.37980 69.97827 61.14084 63.36135 64.92449 67.14103 68.52085 70.79998 74.11499 79.15657 75.14573	B/A 0.896 0.924 0.997 0.969 0.920 0.873 0.800 0.855 0.885 0.997 0.993 0.991 0.943 0.871 0.871 0.876 0.796 0.796 0.796 0.796 0.796 0.699	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -96.3 -101.2 -3 -101.2	.393 INCD 69-3 62-4 57-3 66-0 67-1 68-6 63-8 59-3 52-7 56-7 60-9 65-3 70-1 77-1 77-1	PHAZ 39.3 47.5 53.1 47.7 42.1 42.4 47.8 53.9 53.1 58.8 43.0 37.8 37.1 36.7 37.1	71.875 EM1S7 22.5 15.3 24.3 24.6 37.5 28.6 6.1 3.2 22.5 33.6 3.2 32.6 338.6 545.5	2.093 ALPHA 29.3 13.3 3.8 13.5 23.5 22.5 11.6 3.3 3.8 4.2 12.6 23.2 23.2 33.8 3.8 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3	-72-225 1 SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 155.46083 148.78355 138.14528 145.99387 133.31032 145.78684 122.80569 134.59184 147.89641 119.11392 146.70836	16.595 PT-PT O- 1 1- 2 2- 3 3- 4 4- 5 5- 6- 7 7- 8 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 19-20 20-21
PHOTO DAT.  1 -11 -481 1 -11 -481 2 -12 -845 3 -8 -602 4 -8 -377 5 -8 -139 6 -12 -720 7 -17 -769 8 -17 -760 0 -12 -997 1 -8 -602 2 -5 -233 3 -4 -983 4 -4 -701 5 -4 -374 6 -3 -987 7 -7 -878 8 -12 -628 9 -17 -908 0 -24 -17	A LON -18.794 -26.084 -30.822 -26.521 -21.949 -30.279 -30.578 -30.822 -35.067 -17.487 -15.948 -14.496 -12.137 -18.879 -24.639	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1450.82721 1456.82721 1376.60742 1375.60742 1375.7199 1340.75435 1395.84406 1464.32819 1476.91631 1518.06165 1595.24649 1725.51967	-20.0 -35.1 -20.7 -56.2 -69.0 -50.8 -38.7 -24.6 -6.6 -10.1 -86.8 -89.2 -89.7 -74.9 -60.3 -68.8 -40.4 -30.8	6.8 6.2 3.0 4.8 6.6 8.8 11.9 8.0 4.1 3.4 3.7 3.9 5.0 6.0 8.2 11.4 15.7 22.2	AZ SUN -79.4 -80.4 -80.3 -81.1 -81.6 -81.8 -82.5 -80.2 -78.0 -78.9 -80.3 -81.8 -81.8 -81.5 -82.5 -82.5 -82.6 -82.6 -82.6 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2 -83.2	AZA 63.0 54.9 58.6 47.0 37.8 46.0 52.6 61.1 765.6 65.7 50.6 38.0 29.2 22.5 38.4 450.8 58.4 66.1	1336.41971 A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 65.11323 63.37980 59.97827 61.14084 63.36135 64.92449 67.14108 70.79998 74.114997 75.15657	B/A 0.896 0.924 0.997 0.969 0.873 0.800 0.855 0.952 0.973 0.991 0.943 0.943 0.716 0.716 0.596 0.756	AZPHAZ -93.4 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -81.6 -80.9 -79.0 -84.2 -90.3 -94.8 -80.9 -80.0 -79.0 -84.2 -90.3 -91.0 -80.1 -	.393 INCD 69-3 62-4 57-3 61-5 66-0 67-1 68-6 63-8 58-1 57-3 52-7 60-9 65-3 70-1 70-9 72-2 74-1 77-1 70-9	PHAZ3 47.5 53.1 42.4 42.4 42.4 453.9 553.8 553.8 43.8 37.1 37.1 37.1 48.5	71.875 EM1.7 22.55 15.3 24.5 29.6 31.7 28.6 6 1.2 122.5 6 338.6 5 4 5 4 5 4 5 4 7 . 1	2.093 ALPHA 29.3 13.3 13.5 23.7 22.5 11.3 3.8 -6.1 3.2 22.2 33.8 34.5 34.5 32.8 8.1	SCALE 0.75846 190.74602 129.03228 137.21141 140.16344 155.46083 146.7835 138.14528 145.99387 133.31032 163.41348 122.80569 126.78684 147.89641 119.11392 146.70836 165.47991 119.12670 187.38225 159.93316	16.595 PT-PT O- 1 1- 2 2- 3 3- 4- 5 5- 6 6- 7 7- 8 8- 9-10 10-11 11-12 11-12 15-16 16-17 17-18 18-19 19-20 20-21 21-22
PHOTO DAT.  1 -11 -481 1 -11 -481 2 -12 -845 3 -8 -602 4 -8 -377 5 -8 -139 6 -12 -746 9 -17 -766 9 -17 -800 0 -12 -997 1 -8 -602 2 -5 -233 3 -4 -983 4 -4 -701 5 -4 -374 6 -3 -987 7 -7 -888 8 -12 -628 8 -12 -628 0 -24 -178 1 -23 -644 1 -23 -649 3 -23 -321 4 -23 -349	LON -18.794 -26.084 -30.822 -26.521 -21.285 -20.331 -25.489 -30.578 -30.578 -30.578 -30.67 -31.067 -31.067 -17.487 -16.912 -15.948 -12.137 -18.879 -24.632 -29.884 -34.915	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1434.73027 1376.60742 1345.77199 1340.75435 1337.58322 1355.11357 1395.84406 1464.32819 1476.91631 1518.06165 1595.2649 1725.51967 1617.17865 1555.67496 1528.44586	-20.0 -35.1 -20.7 -56.2 -69.0 -38.7 -24.6 -6.6 -10.1 -88.3 -89.2 -89.5 -89.5 -89.5 -40.4 -30.8 -18.8 -40.4	6.8 6.2 3.0 4.8 6.6 8.9 8.0 4.1 3.0 4.1 3.0 6.0 8.2 11.4 7.7 2.16.5 10.8 -0.6	AZSUN -79-4 -80-3 -81-1 -81-6 -81-8 -82-9 -80-2 -78-0 -78-9 -80-3 -81-5 -85-3 -85-3 -85-3 -85-3 -85-5 -77-74-5	AZA 63.0 54.9 58.6 47.8 46.0 52.6 61.1 65.6 65.7 50.6 38.0 29.2 22.5 38.4 56.1 75.0 84.5	1336.41971 A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 59.97827 61.14084 63.36135 64.92449 67.14103 68.52085 70.79998 79.15657 75.15657 70.91506	B/A 0.896 0.924 0.929 0.929 0.929 0.873 0.800 0.855 0.952 0.973 0.981 0.943 0.871 0.943 0.871 0.943 0.871 0.969 0.716 0.755 0.775 0.797	994 -32  AZPHAZ -93.4 -93.4 -93.4 -93.6 -85.6 -85.2 -84.8 -90.3 -95.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -101.2 -99.4	.393 INCD 69-3 62-4 57-3 61-5 66-0 67-1 68-6 63-8 59-3 58-1 57-3 52-7 56-7 60-9 65-3 70-1 77-1 77-1 77-1 70-9 65-7 61-0	PH9-53-142-8 29-18-63-7-17-18-12-57-7-18-18-18-18-18-18-18-18-18-18-18-18-18-	71.875 EM1.75 32.75 15.32 15.33 12.75 12.33 12.75 12.33 12.75 3.12.75 3.12.75 3.12.75 42.16 3.77 42.16 3.77 42.16 3.77 42.16	2.093 ALPHA 29.3 13.3 3.8 13.5 23.5 23.5 11.6 3.8 -6.1 2.6 22.2 32.8 34.5 34.5 34.8 8.1 8.1 -2.7	-72-225 1 SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.16344 155.46083 148.78355 138.14528 145.99387 133.31032 145.78684 122.80569 134.59184 147.89641 119.11392 146.70836	16.595 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 6- 7 7- 8 9-10 11-11 11-12 12-13 13-14 14-15 15-16 18-19 19-20 20-21 21-22 22-22
PHOTO DAT.  1 -11 -461 1 -11 -461 2 -12 -84-5 3 -8 -602 4 -8 -377 5 -8 -192 7 -17 -769 8 -17 -746 9 -17 -769 8 -17 -746 0 -12 -97 1 -8 -602 2 -5 -233 3 -4 -93 3 -4 -93 4 -4 -701 -3 -987 7 -7 -878 8 -12 -628 9 -17 -908 0 -24 -17 -908 0 -24 -17 -908 1 -23 -84 1 -24 1	A LON -18.794 -26.084 -30.822 -26.521 -21.285 -20.331 -25.489 -30.279 -30.279 -30.279 -30.279 -30.279 -16.912 -17.18.879 -24.632 -29.884 -34.915 -34.895	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1376.60742 1376.60742 1375.1357.8322 1375.1357.8328 1337.8322 1355.11357 1395.26494 1476.91631 1518.06165 1595.2649 1725.51967 1617.17865 1528.44586 1530.04991 1437.65358	-20.0 -20.7 -50.2 -69.0 -50.8 -38.6 -6.6 -10.1 -20.7 88.3 -89.2 -89.5 -89.7 -70.9 -48.8 -89.2 -89.5 -89.7 -40.9 -40.9 -40.8 -10.	6.8 6.2 3.0 4.8 6.6 8.0 4.1.9 8.0 4.1.7 3.9 5.0 8.2 11.47 22.5 10.8 5.1	AZSUN -79.4 -80.3 -81.1 -81.6 -81.8 -82.5 -80.2 -78.9 -81.5 -82.1 -81.5 -82.1 -83.2 -85.3 -87.7 -74.5 -75.5	AZA 63.09 58.6 47.0 37.8 65.6 65.7 70.8 65.6 65.7 38.0 29.5 30.5 45.1 50.8 45.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 8	1336.41971  A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 59.97827 61.14084 63.36135 64.92449 71.1108 77.7998 74.11499 75.125653 70.91500 69.98019	-4.°  B/A 0.896 0.924 0.997 0.969 0.920 0.873 0.800 0.855 0.885 0.977 0.973 0.991 0.943 0.971 0.874 0.796 0.796 0.796 0.796 0.797	AZPHAZ -93.4 -93.4 -93.4 -93.4 -95.6 -85.2 -85.6 -90.3 -95.3 -95.3 -94.8 -90.2 -86.0 -79.0 -84.2 -90.3 -96.4 -102.3 -101.2 -100.2 -99.4 -79.4 -58.7 -94.5	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 63.8 59.3 52.7 56.7 60.9 72.2 74.1 70.9 65.3 70.1 70.9 65.6	PHAZ 347.5 53.1 42.3 42.4 42.4 42.4 42.4 53.2 53.6 43.0 37.8 37.1 38.1 48.5 53.7 58.8 69.8	71 . 8 75 EM1.7 5 29.6 1 229.6 2 371.7 7 28.6 0 1 2.7 5 6 6 . 1 22.2 34.6 6 5 4 7 2 8 6 6 6 6 7 2 2 2 2 2 2 2 2 3 3 8 5 5 4 7 2 3 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9	2.093 ALPHA 29.3 13.3 3.8 13.5 23.7 22.5 11.6 1.3 3.8 -6.1 2.2 2.2 32.8 34.5 34.5 34.8 19.8 19.8 1-2.7 18.8	72.225 1  SCALE 0. 219.75846 190.74602 129.03228 137.21141 140.1634 145.78355 138.14528 145.79387 133.31032 163.41348 122.80569 126.78684 134.59184 147.8944 119.11392 146.70836 165.32135	16.595 PT-PT O- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8- 9 9-10 10-11 11-12 12-13 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25
PHOTO DAT.  LAT 1 - 11 - 481 2 - 12 - 845 3 - 8 - 602 4 - 8 - 377 5 - 8 - 139 6 - 12 - 720 7 - 17 - 746 9 - 17 - 808 9 - 17 - 802 2 - 5 - 233 3 - 4 - 983 4 - 4 - 701 5 - 4 - 374 6 - 3 - 987 7 - 7 - 878 8 - 12 - 628 8 - 12 - 628 9 - 17 - 908 0 - 24 - 178 1 - 23 - 644 2 - 23 - 389 3 - 23 - 321 5 - 17 - 945 6 - 33 - 321 6 - 23 - 389 7 - 7 - 878 8 - 12 - 628 7 - 7 - 7 - 878 8 - 12 - 628 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 878 8 - 17 - 678 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 878 8 - 17 - 678 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	A LON -26.084 -30.822 -26.521 -21.949 -21.285 -20.331 -25.489 -30.272 -35.067 -31.064 -26.813 -22.367 -17.487 -16.912 -15.948 -14.496 -12.137 -18.879 -24.632 -29.884 -34.915 -34.925 -34.925 -34.925 -34.925 -34.925 -34.925	1464.96884 1395.94934 1345.77199 1363.72693 1405.79807 1441.15004 1507.73412 1456.82721 1376.60742 1375.71199 1340.75435 1337.58322 1375.11357 1395.26490 1476.91631 1518.06165 1595.26499 1725.51967 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865 1555.67496 1617.17865	-20.0 -35.1 -20.7 -56.2 -69.0 -38.7 -24.6 -6.6 -10.1 -88.3 -89.2 -89.5 -89.5 -89.5 -40.4 -30.8 -18.8 -40.4	6.8 6.2 3.0 4.8 6.6 8.9 8.0 4.1 3.0 4.1 3.0 6.0 8.2 11.4 7.7 2.16.5 10.8 -0.6	AZSUN -79-4 -80-3 -81-1 -81-6 -81-8 -82-5 -80-2 -78-0 -78-9 -81-5 -82-1 -83-2 -85-3 -81-7 -77-5 -77-3	AZA 63.0 54.9 58.6 47.8 46.0 52.6 61.1 65.6 65.7 50.6 38.0 29.2 22.5 38.4 56.1 75.0 84.5	1336.41971 A* 67.32520 66.34154 63.37980 64.50582 66.16088 68.16513 71.00727 68.90887 67.52127 65.11323 63.37980 59.97827 61.14084 63.36135 64.92449 67.14103 68.52085 70.79998 79.15657 75.15657 70.91506	B/A 0.896 0.924 0.997 0.920 0.873 0.805 0.885 0.885 0.997 0.991 0.991 0.991 0.991 0.991 0.916 0.716 0.716 0.755 0.788 0.797 0.797 0.797 0.797 0.797 0.797 0.797 0.798 0.79	994 -32  AZPHAZ -93.4 -93.4 -93.4 -93.6 -85.6 -85.2 -84.8 -90.3 -95.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -101.2 -99.4	.393 INCD 69.3 62.4 57.3 61.5 66.0 67.1 68.6 59.3 52.7 60.9 67.3 70.9 77.1 77.1 70.9 65.7 66.6 55.1	PHAZ 347.55 53.11 42.31 42.42 47.82 53.22 53.88 53.67 337.81 337.81 343.02 48.57 58.94 58.95 58.86 58.95 58.96 58.95	71 . 8 75 EM1.7 5 29.6 1 229.6 2 371.7 7 28.6 0 1 2.7 5 6 6 . 1 22.2 34.6 6 5 4 7 2 8 6 6 6 6 7 2 2 2 2 2 2 2 2 3 3 8 5 5 4 7 2 3 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9	2.093 ALPHA 29.3 13.3 3.8 13.5 23.7 11.6 1.3 3.8 4.6 12.2 23.2 8 34.5 34.5 32.8 8.1 -2.7 -8.8	SCALE 0219.75846 199.74602 129.03228 137.21141 140.16344 155.46083 146.78355 138.14528 145.99387 126.78684 147.89641 119.11392 146.70836 165.47991 201.26870 187.38225 146.70836	16.595 PT-PT 0-1 1-2 3-4 4-5 5-6 7 8-9 10-11 11-12 11-

 CAMEDA	CA	

		TAB NO	79	ATLAS PHOTO	NO 79	POD SEQUENCE NO 164
JULY 31,1964 13 HR 15 MIN 31 S	EC 013 MS	IAB NO	79	ATLAS PHUTU	NO /9	POD SEQUENCE NO 164
JULY 31,1964 13 HK 15 HIN 31 3	EC 713 H3					
TRAJECTORY DATA		SEC TO IMPACT		LAT LD		V PTH AZ
		616.886	1326.21051	-5.022 -32.	338 3061.66	6 2.096 -72.185 116.588
PHOTO DATA			Δ.	D/4 47DU47	INCD PHAZ EMIS	ALPHA SCALE PT-PT
PT LAT LON RANGE 1 -11.472 -18.813 1453.90465	AZS/C AZN -20.2 6.8	AZSUN AZA -79.5 62.8	66.82735 (		69.3 39.3 32.	ALITIA SOULES
2 -12.836 -26.027 1385.67087	-35.2 6.2	-80.4 54.8	65.85306		62.5 47.5 22.5	13.4 217.55792 1- 2
3 -8.625 -30.732 1335.64915	-21.2 3.0	-80.3 58.4	62.90309	0.996 -85.6	57.4 53.1 9.1	3.9 189.38253 2- 3
4 -8.402 -26.462 1353.64539	-56.2 4.9	-81.1 46.9	64.02888		61.5 47.7 15.4	
5 -8.164 -21.923 1395.52216	-69.0 6.6	-81.6 37.8	65.67708		66.0 42.3 24.	23.7
6 -12.712 -21.262 1430.65984	-50.8 8.8	-81.8 45.9	67.66896 70.48750		67.1 42.1 29.1 68.6 42.4 37.5	23.
7 -17.724 -20.316 1496.69676 8 -17.700 -25.436 1446.04866	-38.8 11.8 -24.8 8.0	-82.5 52.5 -80.3 61.0	68.39896		63.8 47.8 31.	11.7 147.72765 7-8
9 -17.761 -30.189 1423.91534	-6.8 4.1	-78.0 70.6	67.01213		59.4 53.1 28.	1.4 137.14540 8- 9
	-10.4 3.5	-79.0 65.4	64.62505		58.2 52.9 18.0	
11 -8.625 -30.732 1335.64915	-21.2 3.0	-80.3 58.4	62.90309	0.996 -85.6	57.4 53.1 9.	
12 -5.282 -34.946 1330.35857	87.7 1.4	-81.4 65.2	59.50004		52.8 58.8 6.0 56.8 53.6 3.1	
	-85.8 2.7 -88.9 3.9	-81.8 50.5 -81.9 38.0	60.68275		60.9 48.3 12.4	
11 10152 201133 15.11.11	-88.9 3.9 -89.4 5.0		64.44487		65.3 43.0 22.	22.3 133.62571 14-15
	-89.6 6.0	-81.4 22.7	66.64631		70.1 37.8 32.0	32.2 146.82025 15-16
	-74.9 8.3		68.02139	0.846 -84.2	70.9 37.0 34.	
18 -12.621 -15.964 1507.03949	-60.3 11.4	-83.2 38.4	70.28597	0.796 -90.3	72.2 36.7 38.	34.5 145.65103 17-18
19 -17.862 -14.525 1583.55682	-48.9 15.7		73.57211	0.71/ -96.4	74.1 37.1 45.	34.0 164.22315 18-19 3 32.8 199.49239 19-20
20 -24.079 -12.195 1712.43579	-40.4 22.1			0.598 -102.3 0.695 -101.2	77.0 38.1 54.70.9 43.2 47.	
21 23.331 10.0.7	-30.8 16.4 -18.9 10.8			0.756 -100.2	65.7 48.5 42.	
22 -23.297 -24.585 1543.94041 23 -23.227 -29.795 1516.70168	-5.1 5.2		70.36960	0.789 -99.4	61.0 53.7 39.	5 -2.6 144.99946 22-23
24 -23.306 -34.783 1517.95799	9.4 -0.6		69.42656	0.798 -98.7	56.6 58.9 39.	5 -13.0 138.81205 23-24
25 -17.895 -34.768 1426.53239	12.5 0.2		66.18729		55.2 58.4 29.	
26 -13.164 -34.802 1369.48360	18.8 0.7		63.87833		54.1 58.3 19.	
27 -8.841 -34.867 1338.88683	35.7 1.1 87.7 1.4		61.88325 59.50004		53.3 58.4 10. 52.8 58.8 6.	0 -5.9 107.82749 27-28
28 -5.282 -34.946 1330.35857	87.7 1.4					
		01.4 02.6	37170004	0	J2.6 J6.6 G.	30, 10,1000, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
				ATLAS PHOTO		POD SEQUENCE NO 166
JULY 31,1964 13 HR 15 MIN 37		TAB N				
JULY 31,1964 13 HR 15 MIN 37		TAB N	80	ATLAS PHOTO	NO 80	POD SEQUENCE NO 166
		TAB NO	80 (	ATLAS PHOTO	NO 80	POD SEQUENCE NO 166
JULY 31,1964 13 HR 15 MIN 37 TRAJECTORY DATA		TAB N	80 (	ATLAS PHOTO	NO 80	POD SEQUENCE NO 166
JULY 31,1964 13 HR 15 MIN 37 TRAJECTORY DATA PHOTO DATA	SEC 33 MS	TAB NO	80 (	ATLAS PHOTO  LAT L6 -5.049 -32	NO 80	POD SEQUENCE NO 166  V PTH AZ 46 2.098 -72.144 116.581 S ALPHA SCALE PT-PT
JULY 31,1964 13 HR 15 MIN 37 TRAJECTORY DATA		TAB NO	ALT 1315.99088 A• 66.32843	ATLAS PHOTO  LAT L( -5.049 -32.  B/A AZPHAZ 0.896 -93.4	NO 80  NO R .283 3051.4  INCD PHAZ EMI 69.3 39.3 32.	POD SEQUENCE NO 166  V PTH AZ 46 2.098 -72.144 116.581 S ALPHA SCALE PT-PT 6 29.2 0. 0-1
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.627 -25.970 1375.37141	SEC 33 MS  AZS/C AZN -20.4 6.8 -35.3 6.2	TAB No. SEC TO IMPAC 611.766 AZSUN AZA -79.5 62.7 -80.4 54.7	ALT 1315,99088 Ae 66,32843 65,36359	ATLAS PHOTO  LAT LC 1 -5.049 -32.  B/A AZPHAZ 0.896 -93.4 0.923 -90.2	NO 80  NO R .283 3051.4  INCD PHAC EMI 69.3 39.3 32.6 62.5 47.5 22.	POD SEQUENCE NO 166  V PTH AZ 46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378	AZS/C AZN -20.4 6.8 -35.3 6.2 -21.6 3.0	TAB NO SEC TO IMPAC 611.766 AZSUN AZA -79.5 62.7 -80.4 54.7 -80.4 58.2	ALT 1315.99088 A• 66.32843 65.36359 62.42578	ATLAS PHOTO  LAT LE 1 -5.049 -32.  B/A AZPHAZ 0.896 -93.4 0.923 -90.2 0.996 -85.6	NO 80  NO R 283 3051-4  INCD PHAZ EMI 69.3 39.3 32. 62.5 47.5 22. 57.4 53.1 9.	POD SEQUENCE NO 166  V PTH AZ 46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.027 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721	AZS/C AZN -20.4 6.8 -35.3 6.2 -21.6 3.0	TAB No.  SEC TO IMPAC 611-766  AZSUN AZA -79.5 62-7 -80.4 54-7 -80.4 58-2 -81.1 46-8	ALT 1315.99088 A. 66.32843 65.36359 62.42578 63.55115	ATLAS PHOTO  LAT L( 1-5.049 -32.  8/A AZPHAZ 0.996 -93.4 0.923 -90.2 0.996 -85.6	NO 80  ON R 283 3051-4  INCD PHAZ EMI 69-3 39-3 32-62-5 47-5 22- 57-4 53-1 9-61-6 47-7 15-	POD SEQUENCE NO 166  V PTH AZ 46 2.098 -72.144 116.581 S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.997 1385.22574	AZS/C AZN -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9	TAB No.  SEC TO IMPAC. 611.766  AZSUN AZA79.5 62.780.4 54.780.4 58.281.1 46.881.6 37.9	ALT 1315.99088 A66.32843 65.36359 62.42578 63.55115 65.19233	ATLAS PHOTO  LAT L( 1-5.049 -32.  8/A AZPHAZ 0.996 -93.4 0.923 -90.2 0.996 -85.6 0.968 -85.2 0.919 -84.8	NO 80  NN R. 283 3051.4  INCD PHAZ EMI 69.3 39.3 32.62.5 47.5 22.57.4 53.1 9.61.6 47.7 15.66.0 42.3 24.3 24.3 24.3 24.3 24.3 24.3 24.3	POD SEQUENCE NO 166  V PTH AZ 46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5
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JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.627 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.714 -21.240 1420.14413 7 -17.678 -20.301 1485.2860	AZS/C AZN -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -50.9 8.8	TAB No.  SEC TO IMPAC 611.766  AZSUN AZA 79.5 62.7 -80.4 58.2 -81.1 46.8 -81.6 37.9 -81.8 45.9 -82.6 52.4	ALT 1315.99088 A. 66.32843 55.36359 62.42578 63.55115 65.19233 67.17158	ATLAS PHOTO  LAT LC  -5.049 -32.  8/A AZPHZ  0.896 -93.4  0.923 -90.2  0.996 -85.6  0.908 -85.2  0.919 -84.8  0.813 -90.3  0.801 -95.8  0.801 -95.8	NO 80  R 283 3051-4  INCD PHAZ EMI 69-3 39-3 32-62-5 47-5 22- 57-4 53-1 9-61-6 47-7 15-66-0 42-3 24-67-1 42-1 29-68-6 42-4 37-68-6 42-4 37-68-6 42-4 37-8 31-	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 138.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAY LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.714 -21.240 1420.14413 7 -17.678 -20.301 1485.62860 6 -17.654 -25.833 1435.24663	AZS/C AZN -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -50.9 8.8	TAB No.  SEC TO IMPAC 611-766  AZSUN AZA -79.5 62.7 -80.4 54.7 -80.4 54.7 -81.1 46.8 -81.6 377.9 -81.8 45.9 -82.6 52.4 -80.3 60.8	A ALT 1315.99088 66.32843 65.36359 62.42578 63.55115 65.19233 67.17158 69.96628 67.88784 66.50204	ATLAS PHOTO  LAT 1 -5.049 -32.  8/A AZPHAZ 0.896 -93.4 0.923 -90.2 0.996 -85.6 0.968 -85.2 0.919 -84.8 0.673 -90.3 0.801 -95.8 0.855 -95.3	NO 80  NO R .283 3051.4  INCD PHAZ EMI 69.3 39.3 32. 62.5 47.5 22. 57.4 53.1 9. 61.6 47.7 15. 66.0 42.3 24. 67.1 42.1 29. 68.6 42.4 37. 63.9 47.8 31. 63.9 47.8 31. 59.5 53.1 28.	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT  6 29.2 0. 0-1  6 13.4 215.36884 1-2  1 4.0 188.01481 2-3  5 13.6 127.15427 3-4  3 23.5 135.26089 4-5  7 23.7 136.13623 5-6  5 22.5 153.13256 6-7  7 11.8 146.66746 7-8  7 11.8 136.16288 8-9
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JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.704 -21.240 1420.14413 7 -17.678 -20.301 1485.62860 8 -17.654 -25.838 1435.24663 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.9485 11 -8.647 -30.642 1325.51378 12 -5.330 -34.824 1319.9585 13 -5.083 -30.824 1317.28584	AZS/C AZM -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -7.0 8.8 -7.0 4.2 -1.0 3.5 -21.6 3.0 87.1 1.4 -85.0 2.1	TAB No.  SEC TO IMPAC 611-766  AZSUN A2-79-5 62-7 -80-4 54-7 -80-4 58-2 -81-1 46-8 -81-6 37-9 -81-8 45-9 -81-8 45-9 -81-8 70-4 -80-3 60-8 -78-1 70-4 -80-3 60-8 -78-1 70-4 -80-3 60-8 -78-1 70-4 -80-4 58-2 -81-4 64-8 -81-7 50-3	ALT 1315.99088 Ae 66.32843 65.36359 62.42578 63.55115 65.19233 67.17158 69.96628 66.50204 64.13608 62.42578 59.02223	ATLAS PHOTO  LAT  -5.049 -32.  B/A AZPHAZ.  0.896 -93.4 0.923 -90.2 0.996 -85.6 0.673 -90.3 0.801 -95.8 0.855 -95.3 0.801 -95.8 0.855 -95.3 0.802 -95.3 0.805 -95.3 0.805 -95.3 0.805 -95.3	NO 80  NO R 283 3051-4  INCD PHAZ EMI 69-3 39-3 32-62-5 47-5 22- 57-4 53-1 7- 66-0 42-3 24- 67-1 42-1 29- 68-6 42-4 37- 63-9 47-8 31- 59-5 53-1 28- 58-3 52-9 18- 58-3 53-1 9- 53-0 58-8 5- 56-9 53-5 3-5	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 138.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8 7 1.5 136.14288 8-9 6 3.5 143.74924 9-10 1 4.0 131.32018 10-11 9 -5.8 160.93448 11-12 4 3.4 120.90997 12-13
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO OATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.997 1385.22574 6 -12.704 -21.240 1420.14413 7 -17.678 -20.301 1489.62860 8 -17.654 -25.383 1435.24463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.94856 11 -8.647 -30.642 1325.51378 12 -5.330 -34.824 1317.28584 14 -4.803 -26.994 1337.28584	AZS/C AZN -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 8.8 -24.9 8.6 -7.0 4.2 -7.0 4.2 -10.6 3.5 -21.6 3.0 -85.0 2.1 -85.0 2.1 -85.0 2.1	TAB No. SEC TO IMPAC 611-766  AZSUN AZA 79-5 62-7 -80-4 54-7 -80-4 54-7 -80-4 54-7 -80-4 54-7 -80-4 62-4 -80-3 60-8 -78-1 70-6 -10-6	ALT 1315,99088 66.32843 65.36359 62.42578 63.55115 65.1023 67.17158 69.96628 67.88784 66.13608 64.13608 62.42578 65.0204	ATLAS PHOTO  LAT LC -5-049 -32.  8/A AZPHAZ 0.996 -93.4 0.923 -90.2 0.996 -85.6 0.998 -85.6 0.919 -84.8 0.801 -95.8 0.801 -95.8 0.805 -95.3 1.885 -94.9 0.952 -90.2 0.996 -85.6 0.991 -80.9	NO 80  NO 8  R 283 3051-4  INCD PHAZ EMI 69-3 39-3 32- 62-5 47-5 22- 67-1 42-1 29- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-5 42-4 37- 68-5 42-4 37- 68-5 42-4 37- 68-5 42-4 37- 68-5 42-4 37- 68-5 53-1 28- 68-5 53-1 28- 68-5 53-1 28- 68-5 53-5 58-5 58-5 58-5 58-5 58-5 58-5 5	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -772.144 116.581  5 ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 138.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8 7 11.5 136.14288 8-9 6 3.5 143.74924 9-10 1 4.0 131.32018 10-11 9 -5.8 160.93448 11-12 4 3.4 120.90997 12-13 8 12.7 124.9241 13-14 6 22.3 132.65732 14-15
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.704 -21.400 1420.13413 7 -17.678 -20.301 1485.62860 8 -17.654 -25.838 1435.2463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.51378 11 -8.667 -30.642 1325.51378 12 -5.330 -34.824 1319.95857 13 -5.083 -30.824 1317.28584 14 -4.803 -26.994 1334.888480 15 -4.481 -22.311 1375.22493	AZS/C AZM -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -7.0 8.8 -7.0 4.2 -1.0 3.5 -21.6 3.0 87.1 1.4 -85.0 2.1	TAB No.  SEC TO IMPAC 611-766  AZSUN AC79.5 62.7 -80.4 54.7 -80.4 55.7 -81.1 46.8 -81.6 37.9 -81.8 45.9 -81.8 45.9 -81.8 70.4 -80.3 60.8 -79.0 65.1 -80.4 58.2 -81.4 70.4 -80.3 60.8 -79.0 65.1 -80.4 58.2 -81.4 64.8 -81.7 50.3 -81.8 29.4	ALT 1315.99088 Ae 66.32843 65.36359 62.42578 63.55115 65.19233 67.17158 69.96628 67.88784 66.50204 64.13608 62.42578 59.02221 60.22234 62.41501 63.96453 64.15074	ATLAS PHOTO  LAT  -5.049 -32.  8/A AZPHAZ  0.896 -93.4 0.923 -90.2 0.996 -85.6 0.968 -85.2 0.199 -84.8 0.855 -95.3 0.801 -95.8 0.855 -95.3 0.801 -95.8 0.855 -94.9 0.952 -90.2 0.996 -85.6 0.973 -82.2 0.982 -81.6 0.991 -80.9	NO 80  R 283 3051-4  INCD PHAC 89-3 39-3 32-62-5 47-5 22-62-5 47-7 15-60-0 42-3 24-67-1 42-1 29-68-6 42-4 37-63-9 47-8 31-7 45-7 55-5 55-7 53-1 28-58-3 52-9 18-57-4 53-1 28-58-3 53-6 36-60-84-3 12-65-3 43-0 22-70-1 37-8 32-70-	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 138.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8 7 11.8 146.66746 7-8 7 11.5 136.14288 8-9 6 3.5 143.74924 9-10 1 4.0 131.32018 10-11 9 -5.8 160.93448 11-12 4 3.4 120.90997 12-13 8 12.7 124.92414 13-14 6 22.3 132.65732 14-15 6 22.3 132.65732 14-15
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.704 -21.400 1420.13413 7 -17.678 -20.301 1485.62860 9 -17.654 -25.838 1435.2463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.9386 11 -0.647 -30.642 1325.51378 12 -5.330 -34.824 1317.28584 14 -4.803 -26.994 1334.888480 15 -4.481 -22.311 1375.22493	AZS/C AZM -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -70.9 8.8 -7.0 4.2 -10.6 3.5 -21.6 3.0 87.1 1.4 -85.0 2.1 -88.7 4.6 -88.7 4.6 -89.2 5.1 -89.2 5.1	TAB No.  SEC TO IMPAC 611-766  AZSUN AZA -79-5 62-7 -80-4 54-7 -80-4 58-2 -81-1 46-8 -81-6 37-9 -81-8 45-9 -81-8 45-9 -82-6 52-4 -80-3 60-8 -79-0 65-1 -80-4 58-2 -81-7 50-3 -81-8 29-4 -81-7 50-3 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4	ALT 1315,99088 A+ 66.32843 65.36359 62.42578 63.55115 65.19233 67.17158 69.96628 64.1936 64.13608 62.42578 59.02221 60.22434 64.13608 62.415001 63.96453 66.15074 67.52081	ATLAS PHOTO  LAT  -5.049 -32.  8/A AZPHZ  0.996 -93.4  0.923 -90.2  0.996 -85.6  0.968 -85.2  0.19 -84.8  0.855 -90.3  0.801 -95.3  0.801 -95.3  0.801 -95.3  0.805 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.851 -95.3  0.801 -95.3  0.801 -95.3  0.801 -95.3  0.801 -95.3  0.801 -95.3  0.801 -95.3  0.8185 -94.9  0.992 -90.2  0.996 -85.6  0.991 -80.0  0.8171 -79.0  0.846 -84.2	NO 80  NO R 283 3051-4  INCD PHAZ EMI 69-3 39-3 32- 62-5 47-5 22- 57-4 53-1 9- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-6 37- 68-6 53-6 33- 61-0 48-3 12- 70-1 37-8 32- 70-1 37-8 32- 70-9 37-0 34-	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  5 ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 136.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8 7 11.5 136.14288 8-9 6 3.5 146.66746 7-8 7 11.6 186.093448 11-12 4 3.4 120.90997 12-13 8 12.7 124.9241 13-14 6 22.3 132.65732 14-15 6 32.2 145.74120 15-16 1 33.8 117.38975 16-17
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JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.704 -21.240 1420.14413 7 -17.678 -20.301 1485.62860 8 -17.674 -26.5383 1435.2463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.9378 11 -8.647 -30.642 1325.51378 12 -5.330 -34.824 1317.28584 14 -4.803 -26.694 1334.88480 15 -4.481 -22.311 1375.22493 16 -4.099 -17.501 1442.75850 17 -7.933 -16.931 1455.31292 18 -12.614 -15.980 1495.98697 19 -17.815 -14.554 1571.83035	AZS/C AZM -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -38.9 11.6 -7.0 4.2 -10.6 3.5 -21.6 3.0 -7.0 4.2 -85.0 2.1 -85.0 2.1 -89.2 5.1 -89.2 5.1 -74.8 8.3 -60.3 11.4 -48.9 15.6	TAB No.  SEC TO IMPAC 611-766  AZSUN AZA -79.5 62.7 -80.4 54.7 -80.4 54.7 -81.6 37.9 -81.8 45.9 -81.6 37.9 -82.6 52.4 -80.3 60.8 -78.1 70.4 -80.3 60.8 -78.1 70.4 -80.3 60.8 -78.1 70.4 -80.3 60.8 -81.8 29.4	ALT 1315,99088 A+ 66.32843 65.36359 62.42578 63.55115 65.19233 67.17158 69.96628 64.13608 62.42578 64.13608 62.42578 64.13608 62.42578 64.13608 62.42578 66.15074 67.52081 69.77055 73.02752	ATLAS PHOTO  LAT  -5.049 -32.  8.40 AZPHZ  0.996 -93.4  0.923 -90.2  0.996 -85.6  0.968 -85.2  0.919 -84.8  0.853 -90.3  0.801 -95.8  0.855 -94.9  0.952 -90.2  0.996 -85.6  0.991 -80.9  0.971 -80.9  0.971 -79.0  0.871 -79.0	NO 80  NO R 283 3051-4  INCD PHAZ EMI 69-3 39-3 32- 62-5 47-5 22- 57-4 53-1 9- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-9 53-1 28- 58-3 52-9 18- 57-4 53-1 9- 58-3 52-9 18- 57-4 53-1 9- 58-3 52-9 18- 57-4 53-1 9- 58-3 53-6 3- 61-0 48-3 12- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 3	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  5 ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 136.13623 5-6 5 7 23.7 136.13623 5-6 7 11.8 146.66746 7-8 7 11.5 136.14288 8-9 6 3.5 146.66746 7-8 7 11.8 160.93448 11-12 4 3.4 120.90997 12-13 8 12.7 124.9241 13-14 6 22.3 132.65732 14-15 6 32.2 145.74120 15-16 1 33.8 117.38975 16-17 5 34.5 144.58944 17-18 6 34.5 162.95975 16-16
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.704 -21.240 1420.14413 7 -17.678 -20.301 1485.62860 9 -17.654 -25.83 1435.24463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.9485 11 -8.647 -30.642 1325.51378 12 -5.330 -34.824 1317.28584 14 -4.803 -26.694 1334.888480 15 -4.481 -22.311 1375.22493 16 -4.099 -17.501 1442.75850 17 -7.933 -16.931 1455.37292 18 -12.614 -15.980 1495.98697 19 -17.815 -14.554 1571.83035 -20 -23.979 -12.254 1699.30940	AZS/C AZM -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -38.9 11.8 -7.0 4.2 -10.0 3.5 -21.6 3.0 87.1 1.4 -85.0 2.7 -88.7 4.0 -74.8 8.3 -74.8 8.3 -74.8 8.3 -48.9 15.6 -40.5 22.7	TAB No. SEC TO IMPAC 611-766  AZSUN A2-79-5 62-7-80-4 58-2-81-1 46-8 45-9-81-8 45-9-81-8 45-9-81-8 60-81-9 60-81-9 38-2-81-1 60-4 58-2-81-1 70-4 61-81-9 38-2-81-1 60-4 58-2-81-1 70-4 61-81-9 38-2-81-1 70-4 61-81-9 38-2-81-1 70-4 61-81-9 38-2-81-1 70-4 61-81-9 38-2-81-1 70-4 61-81-9 38-2-81-9 38-2-81-9 38-2-81-9 38-2-81-9 38-2-81-9 38-2-81-9 38-2-81-9 38-2-81-9 38-2-81-9 38-2-81-9 38-2-9 50-5	ALT 1315.99088 Ae 66.32843 65.36359 62.42578 63.55115 65.19233 67.17158 69.96628 66.50204 64.13608 62.42578 59.02221 60.22434 62.42578 62.42578 62.42578 62.42578 62.42578 75.02251 60.72434 62.41501 61.5074 67.52081 69.77055 77.95461	ATLAS PHOTO  LAT  -5.049 -32.  B/A AZPHAZ.  0.896 -93.4  0.923 -90.2  0.996 -85.6  0.673 -90.3  0.801 -95.8  0.855 -94.9  0.952 -90.2  0.996 -85.6  0.973 -82.2  0.991 -80.9  0.851 -79.9  0.902 -81.6  0.991 -80.9  0.902 -80.0  0.871 -79.0  0.866 -84.9  0.911 -79.0  0.866 -80.0	NO 80  NO R 283 3051-4  INCD PHAZ EMI 69-3 39-3 32- 62-5 47-5 22- 57-4 53-1 9- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 68-9 53-1 28- 58-3 52-9 18- 57-4 53-1 9- 58-3 52-9 18- 57-4 53-1 9- 58-3 52-9 18- 57-4 53-1 9- 58-3 53-6 3- 61-0 48-3 12- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 31- 70-1 37-8 3	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 138.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8 7 1.5 136.14288 8-9 6 3.5 143.74924 9-10 1 4.0 131.32018 10-11 9 -5.8 160.91448 11-12 4 3.4 120.90997 12-13 8 12.7 124.9241 13-14 6 22.3 132.65732 14-15 6 32.2 145.74120 15-16 1 33.8 117.38975 16-17 5 34.5 144.58944 17-18 4 34.0 162.96071 18-19 7 32.7 197.71021 19-20
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JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.704 -21.240 1420.14413 7 -17.678 -20.301 1485.62860 9 -17.654 -25.83 1435.24463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.9485 11 -8.647 -30.642 1325.51378 12 -5.330 -34.824 1317.28584 14 -4.803 -26.694 1334.888480 15 -4.481 -22.311 1375.22493 16 -4.099 -17.501 1442.75850 17 -7.933 -16.931 1455.37292 18 -12.614 -15.980 1495.98697 19 -17.815 -14.554 1571.83035 -20 -23.979 -12.254 1699.30940	AZS/C AZM -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -38.9 11.8 -7.0 4.2 -10.0 3.5 -21.6 3.0 87.1 1.4 -85.0 2.7 -88.7 4.0 -74.8 8.3 -74.8 8.3 -74.8 8.3 -48.9 15.6 -40.5 22.7	TAB No.  SEC TO IMPAC 611-766  AZSUN A.2 -79-5 62-7 -80-4 58-2 -81-1 46-8 -81-6 37-9 -81-8 45-9 -81-6 52-4 -80-3 60-8 -79-0 65-1 -80-4 58-2 -81-4 64-8 -81-7 70-4 -81-8 38-2 -81-4 64-8 -81-7 38-2 -81-4 64-8 -81-7 38-2 -81-8 29-4 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81	ALT 1315,99088 66.32843 65.36359 62.42578 63.55115 65.1623 67.17158 69.96628 67.88784 66.50204 64.13608 62.42578 64.13608 62.42578 62.41501 63.96453 64.1501 67.52081	ATLAS PHOTO  LAT	NO 80  R 283 3051-4  INCD PHAZ EMI 69-3 39-3 32-62-5 47-5 22- 67-1 42-1 29-68-6 42-4 37- 66-0 42-3 24-67-1 42-1 29-68-6 42-4 37- 68-6 42-4 37- 68-9 53-1 28- 58-3 52-9 18- 57-4 53-1 2- 58-3 53-9 18- 57-4 53-1 2- 65-3 43-0 22- 70-9 37-0 34- 72-2 36-7 38-1 45- 76-9 38-1 37-1 45- 76-9 38-1 45- 76-9 38-1 45- 76-9 48-2 47- 76-9 48-2 47- 65-7 48-5 42- 61-1 53-7 39-3	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 136.13623 5-6 7 23.7 136.13623 5-6 7 21.18 146.66746 7-8 7 11.8 146.66746 7-8 7 11.8 146.66746 7-8 7 11.8 146.6484 8-9 1 1-3 13.2018 10-11 9 -5.8 160.93448 11-12 4 3.4 120.90997 12-13 8 12.7 124.9241 13-14 6 22.3 132.65732 14-15 6 32.2 145.74120 15-16 6 33.8 117.38975 16-17 5 34.5 144.58994 17-18 4 34.0 162.96071 18-19 7 32.7 197.71021 19-20 1 19.8 184.37002 20-21 1 19.8 184.37002 20-21 1 19.8 184.37002 20-21
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.897 1385.22574 6 -12.704 -21.400 1420.14413 7 -17.678 -20.301 1485.62860 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.97463 9 -17.714 -30.100 1413.08029 11 -8.647 -30.642 1325.51378 12 -5.330 -30.824 1317.28584 14 -4.803 -26.994 1334.888480 15 -4.481 -22.311 1375.22493 16 -4.099 -17.501 1442.75850 17 -7.933 -16.931 1357.37292 18 -12.614 -15.980 1495.98697 19 -17.815 -14.554 1571.83035 20 -23.979 -12.254 1699.30940 21 -23.457 -18.879 1592.91620 22 -23.205 -24.538 1532.11612	AZS/C AZM -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -50.9 8.8 -7.0 4.2 -10.6 3.5 -21.6 3.0 87.1 1.4 -88.7 4.6 -88.7 4.6 -88.7 4.6 -74.8 8.3 -60.3 11.4 -40.9 22.6 -30.9 16.4 -40.9 22.6 -30.9 16.4 -30.9 16.4 -9.2 -0.5	TAB No.  SEC TO IMPAC 611-766  AZSUN A.— 79-5 62-7 -80-4 58-2 -81-1 46-8 -81-6 37-9 -81-8 45-9 -81-8 45-9 -81-8 70-4 -80-3 60-8 -79-0 65-1 -80-4 58-2 -81-4 64-8 -81-7 70-3 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-9 38-6 -81-	ALT 1315.99088 Ae 66.32843 65.36359 62.42578 63.55115 65.19233 67.17158 69.96628 67.8878 66.12034 66.13046 62.42578 59.02221 60.22434 66.15074 67.52081 67.77055 73.02752 77.95461 74.01808 71.46873 69.82315 68.87227	ATLAS PHOTO  LAT  -5.049 -32.  8/A AZPHZ  0.896 -93.4  0.923 -90.2  0.996 -85.6  0.919 -84.8  0.855 -95.3  0.801 -95.8  0.855 -96.3  0.801 -95.8  0.855 -96.3  0.801 -95.8  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.856 -85.6  0.971 -80.9  0.992 -81.6  0.991 -80.9  0.846 -84.2  0.796 -90.3  0.188 -96.4  0.599 -102.3  0.696 -101.2  0.790 -99.4  0.799 -98.7	NO 80  INCD PHAZ EMI 69-3 39-3 32-62-5 47-5 22- 57-4 53-1 9-61-6 47-7 15- 66-0 42-3 24- 67-1 42-1 29- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 58-3 52-9 18- 57-4 53-1 9- 53-0 58-8 5- 58-3 52-9 18- 57-4 53-1 7- 58-3 52-9 18- 57-4 53-1 7- 58-3 52-9 18- 57-4 53-1 7- 58-3 52-9 18- 57-4 53-1 7- 58-3 52-9 18- 57-6 53-6 3-3- 61-0 48-3 12- 70-1 37-8 32- 70-1 37-8 32- 70-1 37-8 32- 70-9 38-1 54- 76-9 38-1 54- 76-9 38-1 54- 76-7 48-5 42- 61-1 53-7 39- 65-7 58-9 39-	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  5 ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 32.5 135.26089 4-5 7 23.7 136.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8 7 11.5 136.14288 8-9 6 3.5 143.74924 9-10 1 4.0 131.32018 10-11 9 -5.8 160.93448 11-12 4 3.4 120.90997 12-13 8 12.7 124.92414 13-14 6 22.3 132.65732 14-15 6 32.2 145.74120 13-14 6 22.3 132.65732 14-15 6 33.4 17.38975 5-16 1 33.8 117.38975 5-16 1 33.8 117.38975 16-17 5 34.5 144.58944 17-18 4 34.0 162.96071 18-19 7 32.7 197.71021 19-20 1 19.8 184.37002 20-21 0 8.3 157.58639 21-22 4 -2.5 143.74239 22-23 5 -12.8 137.71683 23-22 1 5-12.8 137.71683 23-22
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.627 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.997 1385.22574 6 -12.704 -21.240 1420.14413 7 -17.678 -20.301 1485.62860 8 -17.654 -25.883 1435.24463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.9485 11 -8.647 -30.642 1325.51378 12 -5.330 -34.824 1317.28584 14 -4.803 -26.904 1334.88480 15 -4.481 -22.311 1375.22493 16 -4.099 -17.501 1442.78550 17 -7.933 -16.931 1455.37292 18 -12.614 -15.980 1495.98697 19 -17.815 -14.554 1571.83035 20 -23.979 -12.254 1699.30940 21 -23.447 -18.879 1592.91620 22 -23.205 -24.538 1532.17612 23 -23.133 -29.707 1504.93443 24 -23.208 -34.652 1505.85098 25 -17.844 -34.653 1515.37713	AZS/C AZN -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -50.9 8.8 -24.9 8.0 -7.0 4.2 -10.6 3.5 -21.6 3.0 -11.6 3.0 -21.6 3.0 -21.6 3.0 -7.4 8.2 -89.2 5.1 -89.2 5.1 -89.9 6.6 -74.8 8.2 -40.5 22.6 -40.5 22.6 -19.1 10.6 -19.1 10.6 -19.1 10.6 -19.1 10.6 -19.1 10.6 -19.2 -0.1 -12.3 0.2	TAB No.  SEC TO IMPAC 611-766  AZSUN AZA -79-5 62-7 -80-4 54-7 -80-4 54-7 -80-6 52-4 -81-1 46-8 -81-6 37-9 -81-8 45-9 -82-6 52-4 -80-3 60-8 -78-1 70-4 -81-7 50-3 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-4 -81-8 29-6 -83-2 38-4 -83-2 45-6 -83-2 38-6 -83-2 45-6 -83-2 38-6 -83	ALT 1315,99088 66.32843 65.36359 62.42578 63.55115 65.1023 67.17158 69.96628 67.88784 66.50204 64.13608 62.42578 64.13608 62.42578 62.41501 63.96453 64.15081 67.7055 71.95461 74.01808 71.46873 69.8315 68.87227 69.8735 68.87227	ATLAS PHOTO  LAT  -5.049 -32.  8/A AZPHZ  0.996 -93.4  0.923 -90.2  0.996 -85.6  0.948 -85.6  0.948 -85.2  0.996 -85.3  0.801 -95.3  0.801 -95.3  0.805 -95.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3  0.901 -96.3	NO 80  R 283 3051-4  INCD PHAZ EM 269-3 39-3 32-62-5 47-5 22-60-60 42-3 24-67-1 42-1 29-68-6 42-4 37-60-58-3 52-9 18-57-4 53-1 9-58-3 52-9 18-57-4 53-1 9-58-3 52-9 18-57-4 53-1 7-7-8 32-70-9 37-0 34-7-1 37-1 45-7-6-9 38-1 54-7-6-9 38-1 55-7	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  S ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 14.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.26089 4-5 7 23.7 138.13623 5-6 7 23.7 138.13623 5-6 7 23.7 138.13623 6-7 7 11.8 146.66746 7-8 7 11.5 136.14288 8-9 6 3.5 143.74924 9-10 1 4.0 131.32018 10-11 9 -5.8 160.93448 11-12 4 3.4 120.90997 12-13 8 12.7 124.92414 13-14 6 22.3 132.65732 14-15 6 32.2 145.74120 15-16 1 33.8 117.38975 16-17 5 34.5 144.58944 17-18 4 34.0 162.96071 18-19 7 32.7 197.71021 19-20 1 19.8 184.37002 20-21 0 8.3 157.58639 21-22 1 19.8 184.37002 20-21 0 8.3 157.58639 21-22 1 13.9298 22-23 1 32.67132 184.25942 15-5 1 13.9298 22-23
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAY LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.827 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.997 1385.22574 6 -12.704 -21.240 1420.14413 7 -17.678 -20.301 1485.02860 6 -17.654 -25.833 1435.2463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.9788 11 -8.647 -30.642 1325.51378 12 -5.330 -34.824 1319.93857 13 -5.083 -30.824 1317.285840 14 -4.803 -26.994 1334.88480 15 -4.481 -22.311 1375.22493 16 -4.099 -17.501 1442.73850 17 -7.933 -16.931 1455.37292 18 -12.614 -15.980 1495.98697 19 -17.815 -14.554 1571.8035 20 -23.979 -12.254 1699.30940 21 -23.457 -16.879 1592.91620 22 -23.205 -24.538 1532.17612 23 -23.133 -29.707 1504.93443 24 -23.208 -34.652 1505.88098 25 -17.844 -34.643 1415.39713 26 -13.151 -1.54.679 1358.87112	AZS/C AZM -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -50.9 8.8 -7.0 4.2 -10.6 3.7 -21.6 3.0 -7.0 4.2 -10.6 3.7 -21.6 3.0 -7.0 4.2 -10.6 3.7 -21.6 3.0 -7.0 4.2 -10.6 3.7 -21.6 3.0 -21.6 3.0 -38.7 4.2 -88.7 4.2 -88.7 4.2 -74.8 8.2 -60.3 11.4 -85.0 2.1 -89.2 5.1 -89.2 5.1 -89.2 5.1 -89.2 5.1 -89.2 5.1 -19.1 10.6 -19.1 10.6 -19.2 5.2 -2.2 -0.1 -2.3 0.2 -18.4 0.1	TAB No.  SEC TO IMPAC 611-766  AZSUN A.79-5 62-7 -80-4 54-7 -80-4 54-7 -80-4 54-7 -81-8 45-9 -81-8 45-9 -81-8 45-9 -81-8 7-7-1 70-4 -80-3 60-8 -78-1 70-4 -80-3 60-8 -78-1 70-4 -80-3 60-8 -78-1 70-3 -81-9 38-C -81-8 29-4 -81-9 50-1 -81-9 50-1 -81-9 50-1 -81-9 71-9 74-5 -71-8 81-C -71-7 71-7 -7	ALT 1315,99088 Ae 66.32843 65.36359 62.42578 63.55115 65.19213 67.17158 69.96628 64.13608 62.42578 59.02221 60.22434 62.41501 61.96453 66.15074 67.52081 69.77055 73.02722 77.95461 74.01808 68.87315 68.87227 65.67044 63.38334	ATLAS PHOTO  LAT  -5.049 -32.  8/A AZPHZ  0.996 -85.4  0.923 -90.2  0.996 -85.6  0.988 -85.2  0.119 -84.8  0.855 -95.3  0.801 -95.8  0.855 -96.3  0.801 -95.8  0.855 -96.3  0.801 -95.8  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.855 -96.3  0.992 -81.6  0.991 -80.9  0.846 -84.2  0.799 -90.3  0.696 -101.2  0.790 -99.4  0.799 -90.7  0.894 -96.5  0.799 -98.7  0.894 -99.7  0.894 -99.7	NO 80  NO R 283 3051-4 1NCD PHAZ EMI 69-3 39-3 32- 62-5 47-5 22- 61-6 47-7 15- 66-0 42-3 29- 68-6 42-4 37- 68-6 42-4 37- 68-6 42-4 37- 59-5 53-1 28- 58-3 52-9 18- 57-4 53-1 9- 58-3 52-9 18- 57-4 53-1 9- 58-3 53-2 9- 68-6 42-4 37- 68-7 48-3 12- 70-1 37-8 32- 70-1 37-8	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  5 ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 32.5 135.26089 4-5 7 23.7 136.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8 7 11.5 136.14288 8-9 6 3.5 143.74924 9-10 1 4.0 131.32018 10-11 9 -5.8 160.93448 11-12 4 3.4 120.90997 12-13 8 12.7 124.92414 13-14 6 22.3 132.65732 14-15 6 32.2 145.74120 13-14 6 22.3 132.65732 14-15 6 33.4 17.38975 16-17 5 34.5 144.58944 17-18 4 34.0 162.96071 18-19 7 32.7 197.71021 19-20 1 19.8 184.37002 20-21 0 8.3 157.58639 21-22 4 -2.5 143.792398 22-23 5 -12.8 137.71683 23-24 6 2-6.3 142.5500 24-25 5 -12.8 137.71683 23-24
JULY 31,1964 13 HR 15 MIN 37  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.463 -18.832 1442.82745 2 -12.627 -25.970 1375.37141 3 -8.647 -30.642 1325.51378 4 -8.425 -26.403 1343.54721 5 -8.190 -21.997 1385.22574 6 -12.704 -21.240 1420.14413 7 -17.678 -20.301 1485.62860 8 -17.654 -25.883 1435.24463 9 -17.714 -30.100 1413.08029 10 -12.976 -30.399 1355.9485 11 -8.647 -30.642 1325.51378 12 -5.330 -34.824 1317.28584 14 -4.803 -26.904 1334.88480 15 -4.481 -22.311 1375.22493 16 -4.099 -17.501 1442.78550 17 -7.933 -16.931 1455.37292 18 -12.614 -15.980 1495.98697 19 -17.815 -14.554 1571.83035 20 -23.979 -12.254 1699.30940 21 -23.447 -18.879 1592.91620 22 -23.205 -24.538 1532.17612 23 -23.133 -29.707 1504.93443 24 -23.208 -34.652 1505.85098 25 -17.844 -34.653 1515.37713	AZS/C AZN -20.4 6.8 -35.3 6.2 -21.6 3.0 -56.2 4.9 -68.9 6.6 -50.9 8.8 -24.9 8.0 -7.0 4.2 -10.6 3.5 -21.6 3.0 -11.6 3.0 -21.6 3.0 -21.6 3.0 -7.4 8.2 -89.2 5.1 -89.2 5.1 -89.9 6.6 -74.8 8.2 -40.5 22.6 -40.5 22.6 -19.1 10.6 -19.1 10.6 -19.1 10.6 -19.1 10.6 -19.1 10.6 -19.2 -0.1 -12.3 0.2	TAB No.  SEC TO IMPAC 611-766  AZSUN AZA -79-5 62-7 -80-4 54-7 -80-4 54-7 -81-1 46-8 -81-6 37-9 -81-8 45-9 -81-8 45-9 -81-8 45-9 -81-8 45-9 -81-8 45-9 -81-8 45-9 -81-8 45-8 -79-0 65-1 -80-4 58-2 -81-4 45-8 -81-7 50-3 -81-8 29-4 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81-8 29-8 -81	ALT 1315,99088 66.32843 65.36359 62.42578 63.55115 65.16253 67.17158 69.96628 64.13608 62.42578 64.13608 62.42578 64.13608 62.42578 64.13608 67.52081	ATLAS PHOTO  LAT 10 1-5-049 -32.  8/A AZPHZ 0.896 -93.4 0.923 -90.2 0.996 -85.6 0.968 -85.6 0.919 -84.8 0.613 -90.3 0.801 -95.8 0.813 -95.3 0.801 -95.8 0.855 -95.3 0.808 -95.9 0.992 -81.6 0.991 -80.9 0.992 -80.0 0.991 -80.9 0.994 -80.0 0.991 -80.9 0.994 -90.2 0.796 -90.2 0.797 -100.2 0.797 -100.2 0.797 -100.2 0.797 -90.4 0.799 -90.4 0.799 -90.4	NO 80  R 283 3051-4  INCD PHAZ EM 269-3 39-3 32-62-5 47-5 22-62-60-60-64-2-4 37-63-9 47-8 31-59-5 53-1 9-61-60-64-2-4 37-63-9 47-8 31-59-5 53-1 58-8 52-9 88-6 42-4 37-63-60-60-60-60-60-60-60-60-60-60-60-60-60-	POD SEQUENCE NO 166  V PTH AZ  46 2.098 -72.144 116.581  5 ALPHA SCALE PT-PT 6 29.2 0. 0-1 6 13.4 215.36884 1-2 1 4.0 188.01481 2-3 5 13.6 127.15427 3-4 3 23.5 135.25089 4-5 7 23.7 138.13623 5-6 5 22.5 153.13256 6-7 7 11.8 146.66746 7-8 7 11.5 136.14288 8-9 6 3.5 143.74924 9-10 1 4.0 131.32018 10-11 9 -5.8 160.93448 11-12 4 3.4 120.90997 12-13 8 12.7 124.9241 33-14 6 22.3 132.65732 14-15 6 32.2 145.74120 15-16 1 33.8 117.38975 16-17 5 34.5 144.58944 17-18 6 32.2 145.74120 15-16 1 33.8 117.38975 16-17 5 34.5 162.58939 21-22 1 98.3 157.58639 21-22 1 98.3 157.58639 21-22 1 98.5 143.92398 22-23 1 19.8 133.771683 23-24 1 -2.5 143.92398 22-23 1 -12.8 137.71683 23-24 1 -8.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.5 162.45500 24-25 1 -6.3 142.15133 25-26

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JULY 31,1	964 13 H	R 15 MIN 42	SEC 153	s MS		TAB NO	81	ATL	AS PHOTO	NO NO	81		POD :	SEQUENCE NO	0 168
TRAJECTO	RY DATA					IMPACT	ALT	LA		ON		R	٧	PTH	AZ
PHOTO DA PT LAT						646	1305.7615		077 -32					-72.103 11	16.574
1 -11.453	LON -18.851	KANGE 1431.73793	AZS/C -20.6	AZN 6.7	AZSUN -79.6	AZA 62.5	A* 65.82892	B/A					ALPHA 29.2	SCALE	PT-PT
2 -12.818	-25.914	1365.05893	-35.5	6.2	-80.5	54.5	64.87349		-90.2		47.5		13.5	0. 213.18323	0- 1 1- 2
3 -8.670 4 -8.449		1315.36919	-22.1 -56.2	3.1	-80.4	58.0	61.94805		-85.6	57.5	53.1	9.2	4.1	186.64494	2- 3
5 -8.215	-21.871	1374.91501	-68.9	4.9 6.6	-81.1 -81.6	46.8 37.9	64.70690		-85.2 -84.8	61.7	47.7	15.5	13.7 23.6	126.21329	3- 4 4- 5
6 -12.696	-21.217	1409.61288	-50.9	8.8	~81.8	45.8	66.67347	0.873	-90.3	67.1	42.1	29.7	23.8	137.11925	5- 6
8 -17-608	-20-286	1474.54468 1424.42751	-38.9 -25.0	11.8	-82.6 -80.4	52.3 60.7	69.44431		-95.8		42.4		22.6	151.96484	6- 7
9 -17.666	-30.011	1402.23563	-7.2	4.2	-78.2	70.1	67.37610 65.99151		-95.3 -94.9		47.8 53.1		11.9	145.60520 135.13900	7- 8 8- 9
10 -12.966 11 -8.670		1345.60095		3.5	-79.1	64.9	63.64665	0.952	-90.2	58.4	52.9		3.6	142.62473	9-10
12 -5.378		1315.36919	~22.1 86.5	3.1	-80.4 -81.4	58.0 64.4	61.94805 58.54472		-85.6		53.1	9.2	4-1	130.32292	10-11
13 -5.132	-30.734	1307.12485	-84.1	2.8	-81.7	50.2	59.76569		-82.2 -81.6		58.8 53.6	5.8	-5.7 3.5	159.69429	
14 -4.854 15 -4.534		1324.75342	-88.4	4.0	-81.8	38.0	61.94106	0.990	-80.9	61.l	48.3	12.9	12.8	123.99114	
15 -4.534 16 -4.154		1364.89455		5.1 6.1	-81.8 -81.4	29.5 22.9	63.48360		-80.0		43.0		22.3	131.68737	
17 -7.960	-16.941	1444.57292		8.3	-82.0	30.7	67.01949		-79.0 -84.2		37.8 37.0		32.2 33.8	144.66027	
18 -12.606		1484.91705	-60.3	11.4	-83.2	38.4	69.25432	0.796	-90.3	72.2	36.7	38.5	34.5	143.52616	
19 -17.768 20 -23.879		1560.08665	-48.9 -40.5	15.6 21.9	-85.2 -89.0	45.0	72.48213		-96.4	74.1	37.1	45.4	34.0	161.69693	18-19
21 -23.362		1580.75383	-31.0	16.3	-84.5	50.6 57.8	77.35213 73.45281			76.9	38.1 43.2	54.6	32.6 19.8	195.93129	
22 -23.112	-24.492	1520.40115	17.2	10.8	81.0	45.4	70.91915	0.757	-100.2		48.5		8.4	156.40847	
23 -23.039 24 -23.110		1493.16064 1493.74371	-5.4	5.2	-78.0	74.3	69.27641		-99.4		53.7		-2.5	142.04129	44-65
25 -17.794	-34.517	1404.25700	9.0 12.1	-0.4 0.3	-74.9 -75.9	83.6 80.6	68.31799 65.15337		-98.7 -94.5		58.9 58.4		-12.6	136.62214	
26 -13.139	-34.556	1348.25269	18.0	0.7	-77.4	76.9	62.88809		-90.2		58.3		-8.4 -6.1	161.02382	
27 -8.882 28 -5.378	-34.625	1318.09526	34.4	1.1	-79.4	69.7	60.90356		-85.9	53.6	58.4	10.4	-5.3	128.93880	
20 -5.310	-34.103	1309.55429	86.5	1.4	-81.4	64.4	58.54472	0.972	-82.2	53.1	58.8	5.8	-5.7	106.15829	27-28
DU V 31.10	D64 12 NO	t 15 MIN 47	E(C 272			TAB NO	82	ATL	AS PHOTO	NO	82		POD S	EQUENCE NO	170
TRAJECTO		( 15 MIN 47	SEL 213	₩2	SEC TO	IMPACT	ALT	LA1		DN.		Ř			
Bugto DA					601.		1295.5218				303		V 2.103	PTH -72.062 11	AZ 16.567
PHOTO DAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA			4 7 5 4 4 7						
1 -11-444	-18.870	1420.63551	-20.7	6.7	-79.6	62.3	A* 65.32837		AZPHAZ -93.4				AL PHA 29.2	SCALE 0.	PT-PT 0- 1
2 -12.808	-25.857	1354.72896	+35.6	6.2	-80.5	54.4	64.38257	0.923	-90.2	62.6	47.5		13.6	210.98326	i- 2
3 ~8.691 4 ~8.472	- 30 - 46 3	1305.21242	-22.6	3.1 4.9	-80.4 -81.1		61.46974		-85.6			9.2	4.2	185.27200	2- 3
5 -8.240		1364.59311	~68.8	6.7	-81.6		62.59399		-85.2 -84.8		47.7 42.3		13.7	125.27139	3- 4 4- 5
6 -12.688	-21.195	1399.06485	-51.0	8.8	-81.8	45.8	66.17457		-90.3		42.1		23.8	136.09953	5- 6
7 -17.586 8 -17.561		1463.43820	-39.0 -25.2	8.0	-82.6 -80.4		68.92129		-95.8	68.7	42.4	37.4	22.6	150.79285	6- 7
9 -17.617		1391.36852	-7.4	4.2	-78.3	69.9	66.86328 65.47993		-95.3 -94.9		47.8 53.1		11.9	144.54116	7- 8 8- 9
10 -12.954	-30.221	1335.23604	-11.2	3.5	-79.1	64.7	63.15640	0.952	-90.2		52.9		3.7	141.49640	9-10
11 -8.691 12 -5.426	- 30 - 463	1305.21242	-22.6 85.9	3.1	-80.4		61.46974	0.996	-85.6	57.6	53.1	9.2	4.2	129.32330	10-11
13 -5.181	- 30.643	1296.95633	-83.4	1.5 2.8	-81.4 -81.7	63.9 50.1	58.06731 59.30687	0.972	-82.2 -81.6	53.2 57.1		5.7 3.6	-5.5 3.6	158.45324	
14 -4.905	-26.574	1314.61476	-88.2	4.0	-81.8	38.1	61.46675		-80.9		48.3	13.0	12.9	123-05768	
15 -4.586 16 -4.209	-22.256	1354.55815 1421.13785	-88.9 -89.2	5.1	-81.7	29.6	63.00239		-80.0	65.4	43.0	22.6	22.4	130.71731	14-15
17 -7.986	-16.951	1433.76421	-74.7	6.1 8.3	-81.4 -82.0	23.1 30.8	65.15819		-79.0 -84.2	70.1	37.8 37.0	32.6	32.2	143.58045	
18 -12.598	-16.013	1473.83238	-60.3	11.4	-83.2	38.4	68.73742		-90.3	72.2	36.7	38.5	33.8 34.4	115.65970	
19 -17.720 20 -23.778		1548.32254	-49.0 -40.6	15.5	-85.2	45.0	71.93580		-96.4	74.0	37.1	45.3	33.9	160.42916	18-19
21 -23.267		1568.56355	-40.6 -31.1	21.8	-89.0 -84.5	50.6 57.6	76.74856 72.88624			76.8	38.1 43.2	54.5	32.6	194.14934	
22 -23.018	-24.446	1508.59779	-19.3	10.8	-81.1	65.5	70.36824				48.5		19.9 8.5	181.35229 155.22841	
23 -22.944	~29.530	1481.35941	-5.5	5.3	-78 - 1	74.1	68.72839	0.792	-99.4	61.2	53.7	39.3	-2.2	141.76818	22-23
25 -17.742		1481.61139	8.9 11.8	-0.3 0.3	-75.0 -76.0	83.3 80.3	67.76258		-98.7		58.9			135.52584	
26 -13.125	-34.433	1337.61792	17.7	0.8	-77.5	76.5	62.39208		-94.5 -90.2		58.4 58.3		-8.3 -6.0	159.58878	
27 -8.902 28 -5.426		1307.68538	33.7	1.2	-79.4	69.3	60.41330	0.994	-85.9	53.7	58.4	10.4	-5.2	127.92376	
-3.426	- 34.782	1299.14330	85.9	1.5	-81.4	63.9	58.06731	0.972	-82.2	53.2	58.8	5.7	-5.5	105.32238	27-28

		RA-VII	CAMERA	FA						42
JULY 31,1964 13 HR 15 MIN 52	\$EC 393 MS	T.	AB NO	83	ATLA	S PHOTO	NO	83	POD SI	EQUENCE NO 172
TRAJECTURY DATA		SEC TO 1		ALT 1285.27161	LAT			R 3020.72	v 7 2.106	PTH AZ -72.021 116.559
PHOTO DATA										
PT LAT LON RANGE 1 -11.435 -18.869 1409.51988	AZS/C AZN		AZA 62.1	A+ 64.827Ul				PHAZ EMIS 39.4 32.5		SCALE PI-PI O. O-I
1 -11.435 -18.889 1409.51988 2 -12.791 -25.800 1344.38336	-35.1 6.2	-80.5	54.3	63.89090		-90.2	62.7	47.5 22.1	13.6	208.7/830 1- 2
3 -8.712 -30.373 1295.04448	-23.0 3.1	-80.4	57.5	60.99090				53.1 9.		183.89638 2- 3 124.32844 3- 4
4 -8.495 -26.227 1313.17967	-56.3 4.9 -68.8 6.3		46.6	62.11452				47.7 15.1		124.32844 3- 4
5 -8.264 -21.818 1354.25775 6 -12.678 -21.173 1388.50014	-51.0 8.8		45.7	65.67488		-90.3	67.2	42.1 29.1		135.07773 5- 6
7 -17.538 -20.256 1452.31233	-39.1 11.6		52.1	68.39735	0.801	-95.8	68.7	42.4 37.4	22.6	149.61816 6- 7
8 -17.513 -25.224 1402.72925	-25-3 8-0		60.3	66.34960	0.855			53.1 28.6		143.47513 7- 8 133.12580 8- 9
9 -17.567 -29.833 1380.48535 10 -12.942 -30.131 1324.85716	-7.6 4.6 -11.5 3.6		69.6	64.96759 62.66549	0.952			52.9 18.0		140.36611 9-10
10 -12.942 -30.131 1324.85716 11 -8.712 -30.373 1295.04448	-23.0 3.1		57.5	60.99090			57.1	53.1 9.	4.3	128.32178 10-11
12 -5.473 -34.460 1288.72627	85.2 1.5	-81.3	63.5	57.59009			53.4			157.21157 11-12 118.06556 12-13
13 -5.229 -30.553 1286.77948	-82.7 2.0		49.9 38.1	58.84782 60.99200		-81.6 -80.9	57.2	53.5 3.48.3 13.6		122.12346 13-14
14 -4.954 -26.514 1304.46638 15 -4.638 -22.228 1344.21147	-87.9 4.0 -88.8 5.		29.7	62.52070		-80.0	65.4	43.0 22.	22.4	129.74625 14-15
16 -4.264 - 17.524 1410.31630	-89.1 6.		23.2	64.66142		-79.0	70.1	31.8 32.4	32.2	142.50008 15-16
17 -8.012 -16.960 1422.94218	-74.7 8.		30.8	66.01548				37.0 34.		114.79303 16-17 141.39178 17-18
18 -12.590 -16.029 1462.73099	-60.3 11.4		38.4 44.9	68.21974 71.38858				36.7 38.		159.15883 18-19
19 -17.671 -14.644 1536.53925 20 -23.676 -12.432 1659.83113	-49.0 15.1 -40.6 21.		50.5	76.14420				38.1 54.		192.36781 19-20
21 -23.171 -18.879 1556.35306	-31.2 16.		57.5	72.31873	0.699	-101.2	70.8	43.2 46.	19.9	179.84406 20-21
22 -22.923 -24.400 1496.77518	-19.4 10.		65.3	69.81643				48.5 41. 53.7 39.		154.04632 21-22 140.68721 22-23
23 -22.848 -29.441 1469.54160	-5.7 5.1 8.7 -0.1		73.8	68.17962		-99.4 -98.7		58.9 39.		134.42905 23-24
24 -22.911 -34.258 1469.46700 25 -17.690 -34.266 1381.92177	8.7 -0		80.0	64.11672		-94.5		58.4 28.		158.15375 24-25
26 -13.111 -34.310 1326.9/185	17.3 0.	-77.6	76.1	61.89555	0.962	-90.2		58.2 19.	-5.9	138.70300 25-26
27 -8.921 -34.381 1297.26669	33.1 1.	-79.5	68.9	59.92289	0-994	~85.9	53. H	58.4 10.	3 -5.1	126.90707 26-27
										104 44574 27-28
28 -5.473 -34.460 1288.72627	85.2 1.			57.59009		-82.2		58.7 5.	5 -5.4	104.48576 27-28
	85.2 1.	-81.3			0.972	-82.2 AS PHOTO	53.4		5 -5.4	104.48576 27-28 EQUENCE NO 174
28 -5.473 -34.460 1288.72627  JULY 31,1964 13 HR 15 MIN 57	85.2 1.	-81.3	63.5	57.59009	0.972	-82.2	53.4	58.7 5.	5 -5.4	
	85.2 1.	5 -81.3 T	AB NO	57.59009 84	0.972 ATLA	-82.2 AS PHOTO	53.4 NO	58.7 5. 84	5 -5.4 POD S	EQUENCE NO 174
JULY 31,1964 13 HR 15 MIN 57 TRAJECTURY DATA	85.2 1.	5 -81.3 T	AB NO	57.59009 <b>84</b>	0.972 ATLA	-82.2 AS PHOTO	53.4 NO	58.7 5. 84	5 -5.4 POD S	EQUENCE NO 174
JULY 31,1964 13 HR 15 MIN 57 TRAJECTURY DATA PHOTO DATA	85.2 1. SEC 513 MS	5 -81.3 T SEC TO 591.	AB NO	57.59009 84 ALT 1275.01129	0.972 ATLA LA1 9 -5.1	-82.2 AS PHOTO [ L( 161 -32.	53.4 NO NO NO 058	58.7 5. 84 3010.4	5 -5.4 POD S	EQUENCE NO 174
JULY 31,1964 13 HR 15 MIN 57 TRAJECTURY DATA PHUTO DATA PT LAT LON RANGE	85.2 1. SEC 513 MS	SEC TO 591.	63.5 TAB NO IMPACT 287	57.59009 84	0.972 ATLA LA1 9 -5.1	-82.2 AS PHOTO  [ LC 161 -32. AZPHAZ -93.5	53.4 NO IN .058 INCU 69.2	58.7 5. 84 84 3010.4 PHAZ EMI 39.4 32.	POD S V 67 2.108 S ALPHA 5 29.1	PTH AZ -71.979 116.552 SCALE PT-PT 0. 0-1
JULY 31,1964 13 HR 15 MIN 57 TRAJECTURY DATA PHOTO DATA	85.2 1. SEC 513 MS AZS/C AZ -21.1 6. -35.9 6.	SEC TO 591.  N AZSUN 7 -79.7 2 -80.5	63.5 AB NO IMPACT 287 AZA 61.9 54.1	ALT 1275-01129 64-32504 63-39860	0.972 ATLA LAT 9 -5.1 B/A 0.896 U.923	-82.2 AS PHOTO  T L( 161 -32.  AZPHAZ -93.5 -90.2	53.4 NO NO 058 INCU 69.2 62.8	58.7 5. 84 3010.4 PHAZ EMI 39.4 32. 47.5 22.	POD S  V 67 2.108 S ALPHA 5 29.1 7 13.7	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703	85.2 1. SEC 513 MS AZS/C AZ -21.1 6. -35.9 6. -23.5 3.	SEC TO 591.  N AZSUN 7 -79.7 2 -80.5 1 -80.4	63.5 TAB NO IMPACT 287 AZA 61.9 54.1 57.3	57.59009 84 ALT 1275.01125 A. 64.32504 63.39860 60.51162	0.972 ATLA LAT 9 -5.1 8/A 0.896 0.923	-82.2 AS PHOTO  1 L( 161 -32.  AZPHAZ -93.5 -90.2 -85.6	53.4 NO DN .058 INCU 69.2 62.8 57.8	58.7 5. 84 3010.4 PHAZ EMI 39.4 32. 47.5 22. 53.1 9.	POD S  V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221	85.2 1. SEC 513 MS  AZS/C AZ -21.1 635.9 623.5 356.4 4.	SEC TO 591.  N AZSUN 7 -79.7 2 -80.5 1 -80.4 9 -81.1	63.5 TAB NO IMPACT 287 AZA 61.9 54.1 57.3 46.5	57.59009 84 ALT 1275.01125 A. 64.32504 63.39860 60.51162 61.63446	0.972 ATLA LA1 9 -5.1 8/A 0.896 0.923 0.996	-82.2 AS PHOTO I L( 161 -32. AZPHAZ -93.5 -90.2 -85.6 -85.2	53.4 NO 058 INCU 69.2 62.8 57.8 61.8	58.7 5.  84  R 3010.4  PHAZ EMI 39.4 32. 47.5 22. 47.7 15.	POD S  V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4 7 13.9	PTH AZ -71.979 116.552 SCALE PT-PT 006.57721 1-2 182.51847 2-3 123.38423 3-4
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747	AZS/C AZ -21.1 635.9 623.5 356.4 468.8 651.0 8.	SEC TO 591.  AZSUN 7 -79.7 2 -80.5 1 -80.4 9 -81.1 7 -81.6 8 -81.8	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 57.3 46.5 37.9 45.6	ALT 1275-01125 A* 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443	0.972 ATLA LAT 9 -5.1 8/A 0.896 0.923 0.996 0.918 0.872	-82.2 AS PHOTO  I L( 161 -32.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3	53.4 NO O58 INCU 69.2 62.8 61.8 66.1 67.2	58.7 5.  84  3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.3 24. 42.0 29.	POD S  V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4 7 13.9 7 23.8	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 5-5
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -6.288 -21.791 1343.90747 6 -12.669 -21.191 1377.91940 7 -17.491 - 20.242 1441.17047	AZS/C AZ -21.1 623.5 356.4 468.8 651.0 839.2 11.	SEC TO 591.  N AZSUN 7-79.72-80.54-81.17-81.68-81.88-82.7	AZA 61.9 54.1 57.3 46.5 37.9 45.6 52.0	57.59009 84 ALT 1275.01125 A* 64.32504 63.39800 60.51162 61.63446 63.24710 65.17443 67.87265	0.972 ATLA LA1 9 -5.1 8/A 0.896 0.923 0.996 0.918 0.872 0.802	-82.2 AS PHOTO I L(161 -32. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	53.4 NO ON O58 INCU 69.2 62.8 57.8 66.1 67.2 68.7	58.7 5.  84  3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.3 24. 42.0 29. 42.4 37.	POD S  V 67 2.108  S ALPHA 5 29.1 7 13.7 4 4.4 7 13.9 5 23.1 7 23.8 4 22.6	PTH AZ -71.979 116.552 SCALE PT-PT 00.1 206.57721 1-2 123.38423 3-4 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90147 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.495 -25.171 1391.85779	AZS/C AZ -21.1 635.9 623.5 356.4 468.8 631.0 839.2 1122.4 8.	SEC TO 591.  N AZSUN 7 -79.7 2 -80.4 -81.6 8 -81.8 -82.7 0 0.5	63.5  AB NO  IMPACT 287  AIA 61.9 54.1 57.3 46.5 37.9 45.6 62.0 60.2	57.59009 84 ALT 1275.01124 64.32504 63.39860 60.51162 61.63466 63.24710 65.17443 67.87265 65.83530	0.972 ATLA LAT 9 -5.1 8/A 0.896 0.926 0.947 0.872 0.802 0.802	-82.2 AS PHOTO I L(161 -32) AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	53.4 NO O58 INCD 69.2 62.8 57.8 61.8 66.1 67.2 68.7 64.0	58.7 5.  84  R 3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.3 24. 42.0 29. 42.4 37. 47.7 31.	POD S  V 67 2.108  S ALPHA 5 29.1 7 13.7 4 4.4 7 13.9 5 23.7 7 23.8 6 12.1	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 5-5
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.465 -25.171 1391.85779 9 -17.518 -29.744 1369.59253	AZS/C AZ -21.1 6. -35.9 6. -23.5 3. -56.4 6. -51.0 8. -39.2 11. -29.4 8.	SEC TO 591.  N AZSUN 7 -79.7 -80.5 -80.4 -81.1 -81.6 8 -82.7 -80.5 3 -78.4	AZA 61.9 54.1 57.3 46.6 52.0 60.2	57.59009 84 ALT 1275.01125 A* 64.32504 63.39800 60.51162 61.63446 63.24710 65.17443 67.87265	0.972  ATLA  LAT  9 -5.1  8/A  0.896  0.996  0.996  0.906  0.908  0.852  0.855  0.886	-82.2 AS PHOTO I L( 161 -32. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3	53.4 NO O 58 INC D 69.2 62.8 57.8 61.8 66.1 67.2 64.0 59.7	58.7 5.  84  3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.3 24. 42.0 29. 42.4 37.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4 4 4.4 7 13.9 5 23.1 7 23.8 4 22.6 6 12.1 1.9 6 3.9	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.91847 2-3 123.38423 3-4 131.34073 4-5 148.46225 6-7 148.46920 7-8 132.11700 8-9 139.23516 9-10
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.465 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819	AZS/C AZ -21.1 6. -35.9 6. -23.5 3. -56.4 6. -51.0 8. -39.2 11. -25.4 8. -7.8 4.	SEC TO 591.  AZSUN -79.7 2 -80.5 1 -80.4 9-81.1 7 -81.6 8 -81.8 8 -82.7 0 -80.5 -79.4	63.5  AB NO  IMPACT 287  AIA 61.9 54.1 57.3 46.5 37.9 45.6 62.0 60.2	57.59009 84 ALT 1275.0112' A* 64.32504 63.32674 63.24710 65.17443 67.87265 65.83530 64.65480 62.17410 60.51162	0.972 ATLA LAT 9 -5.1 8/A 0.896 0.923 0.996 0.918 0.872 0.802 0.802 0.805 0.806 0.952 0.806	-82-2 AS PHOTO  [ [61 -32: AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2	53.4 NO IN. 058 INCU 69.2 62.8 57.8 61.8 66.1 67.2 68.7 64.0 59.7 58.6 57.8	58.7 5.  84  R 3010.4  PHAZ EMI 39.4 32. 47.5 22. 47.7 15. 42.0 29. 42.0 29. 42.4 37. 47.7 31. 53.1 28. 53.1 9.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 13.9 5 23.1 7 23.8 4 22.6 6 1.9 6 3.9 4 4.4	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.40690 7-8 139.23516 9-10 127.31910 10-11
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.465 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 1278.30407	AZS/C AZ -21.1 6. -23.5 3. -56.4 4. -68.8 6. -51.0 8. -39.2 11. -29.4 8. -7.8 4. -7.8 4. -7.8 3. -23.5 3.	SEC TO 591. 8 7 7 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 57.3 46.5 37.9 45.6 52.0 69.4 64.2 57.3 63.1	57.59009 84 ALT 1275.0112' A* 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443 67.87265 65.83530 64.45480 62.17410 60.51162 57.11317	0.972 ATLA LA1 9 -5.1 8/A 0.896 0.923 0.996 0.967 0.918 0.872 0.802 0.855 0.886 0.952 0.996	-82-2 AS PHOTO  [ L(161 -32. AZPHAZ -93.5 -90.2 -85.6 -90.3 -95.3 -95.3 -94.9 -90.2 -85.6 -82.2	53.4 NO IN. 058 INCU 62.8 57.8 61.8 66.1 67.2 68.7 64.0 59.7 58.6 57.8 57.8	58.7 5.  84  3010.4  PHAZ EMI 39.4 32. 47.7 15. 42.3 2. 42.0 29. 42.4 37. 47.7 31. 53.1 9. 53.1 9. 53.7 5.	5 -5.4 POD S 67 2-108 5 29-1 7 13.7 4 4-4 7 13.9 5 23./ 7 13.8 4 22.6 6 12.1 6 1.9 6 3.9 4 4.4 4 -5.3	PTH AZ -71-979 116-552  SCALE PT-PT 0. 0-1 206-57721 1-2 182-51847 2-3 123-38423 3-4 131-34073 4-5 131-34073 4-5 134-05419 5-6 148-44225 6-7 142-40690 7-8 132-11700 8-9 139-23516 9-10 127-31910 10-11 155-59994 811-12
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11,426 -18,908 1398,39154 2 -12.787 -25.744 1334,02444 3 -8,733 -30,283 1284,86703 4 -8,517 -26,169 1303,03221 5 -8,288 -21,791 1343,90747 6 -12,669 -21,150 1377,91940 7 -17,491 -20,242 1441,17047 8 -17,465 -25,171 1391,85779 9 -17,518 -29,744 1369,59253 10 -12,930 -30,042 1314,46819 11 -8,733 -30,283 1284,86703 12 -5,520 -34,339 1278,30467 13 -5,5278 -30,462 1276,59431	AZS/C AZ -21.1 MS  AZS/C AZ -21.1 635.9 635.9 635.0 635.0 2 1125.4 87.8 87.8 87.8 623.5 3. 84.5 182.0 282.0 2.	SEC TO 591. A AZSUM 7 -79.7 2 -80.5 1 -80.4 4 9 -81.0 8 8 -82.7 0 -80.5 3 -78.4 6 -79.2 1 -80.4 5 -81.3 8 -81.6 8 -81.8 8 8 -81.8 8 -81.8 8 8 -81.8 8 8 -81.8 8 8 -81.8 8 8 -81.8 8 8 -81.8 8 8 -81.8 8 8 -81.	63.5 AB NO IMPACT 287 AZA 61.9 54.1 57.3 46.5 37.9 45.6 60.2 69.4 64.2 57.3 63.1	57.59009 84 ALT 1275.01125 A. 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443 67.87265 65.83530 62.17410 60.51162 57.11317 58.38848	0.972 ATLA  LAT 9 -5.1  B/A 0.896 0.996 0.996 0.967 0.872 0.8802 0.8802 0.8802 0.8952 0.996 0.9962 0.9963	-82-2  S PHOTO  T 161 -32.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2 -84.9 -90.2	53.4 NO INC D 69.2 62.8 57.8 66.1 67.2 68.7 64.0 59.7 58.6 57.8 57.8	58.7 5.  84  3010.4  PHAZ EMI 39.4 32. 47.5 52. 53.1 9. 47.7 15. 42.0 29. 42.4 37. 47.7 31. 53.1 28. 52.9 18. 53.1 9. 53.1 7.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4 7 23.8 4 22.6 6 12.1 6 1.9 6 3.9 4 4.4 4 -5.3 8 3.8	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.4069 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.96948 11-12 117.11710 12-13
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAN RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.491 -20.242 1441.17047 8 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 1278.39467 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30684	AZS/C AZ -21.1 6. -35.9 6. -23.5 3. -56.4 4. -68.8 6. -51.0 8. -39.2 11. -29.4 8. -11.8 3. -23.5 3. -38.5 3.	SEC 10 591. A AZSUN 7 -79.7 2 -80.5 1 -80.5 2 -81.1 7 -81.6 8 -81.8 8 -82.7 0 -80.5 3 -82.7 0 -80.5 8 -82.7 0 -80.5 8 -82.7 0 -80.5 8 -82.7 0 -80.5 8 -82.7 0 -80.5 0 -81.8 8 -82.7 0 -80.5 0 -81.8 0 -81.8	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 57.3 46.5 37.9 45.6 52.0 69.4 64.2 57.3 63.1	57.59009 84 ALT 1275.0112' A* 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443 67.87265 65.83530 64.45480 62.17410 60.51162 57.11317	ATLA  LA1  -5.1  8/A 0.896 0.996 0.996 0.918 0.872 0.855 0.886 0.952 0.996 0.972 0.992	-82.2  AS PHOTO  1	53.4 NO NO 1058 1059 69.2 62.8 57.8 61.8 57.8 57.8 57.8 57.8 57.8 61.3	58.7 5.  84  3010.4  PHAZ EMI 39.4 32. 47.7 15. 42.3 2. 42.0 29. 42.4 37. 47.7 31. 53.1 9. 53.1 9. 53.7 5.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4 4 7 13.9 5 23.1 7 23.8 6 12.1 6 1.9 6 3.9 9 4 4.4 4.5 3 8 3.8 8 3.8 1 13.0 7 22.4	PTH AZ -71.979 116.552  SCALE PT-PT 0.
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11,426 -18,908 1398,39154 2 -12.787 -25.744 1334,02444 3 -8,733 -30,283 1284,86703 4 -8,517 -26,169 1303,03221 5 -8,288 -21,791 1343,90747 6 -12,669 -21,150 1377,91940 7 -17,491 -20,242 1441,17047 8 -17,465 -25,171 1391,85779 9 -17,518 -29,744 1369,59253 10 -12,930 -30,042 1314,46819 11 -8,733 -30,283 1284,86703 12 -5,520 -34,339 1278,30467 13 -5,5278 -30,462 1276,59431	AZS/C AZ -21.1 635.9 623.5 356.4 468.8 67.8 47.8 47.8 411.8 323.5 323.5 3.	SEC TO 591. AZSUN 7 -79.7 2 -80.5 1 -80.4 9 -81.1 7 -81.8 8 -82.7 3 -78.4 6 -79.2 1 -80.4 5 -81.8 8 -81.6 6 -79.2 1 -80.4 5 -81.8 8 -81.6 6 -81.8 6 -81.8	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 57.3 37.9 45.6 60.2 69.4 64.2 57.3 63.1 49.8 38.1	57.59009 84 ALT 1275.0112' A* 64.32504 60.51162 61.63446 63.24710 65.17443 67.87265 64.45480 62.17410 60.51162 57.11317 58.38848 60.51672 60.51672 60.51672 60.51672 60.51672 60.51672 60.51672 60.51672	0.972 ATLA  LA1 9 -5.1  8/A 0.896 0.927 0.918 0.872 0.802 0.805 0.805 0.996 0.997 0.998 0.992 0.992 0.992	-82.2 AS PHOTO  [161 -32.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -90.3 -95.3 -95.3 -95.4 -90.2 -81.6 -82.2 -81.6 -80.0 -79.0	53.4 NO INCU 62.8 57.8 61.8 66.1 64.0 57.8 53.5 57.8 61.3 65.1	58.7 5.84  R. 3010.4  PHAZ EMI 39.4 32.47.5 22.53.1 9.47.7 15.42.3 24.42.4 37.47.7 31.53.1 9.55.5 31.1 28.52.9 18.53.1 28.67.5 3.1 28.7 31.1 32.7 31.1 31.1 9.5 31.1 28.7 31.1 31.1 31.1 31.1 31.1 31.1 31.1 31	5 -5.4 POD S V 67 2.108 5 29.1 7 13.7 4 4.4 7 13.9 5 23.7 7 23.8 4 22.6 6 1.9 6 3.9 4 4.4 4 4.4 4 5.3 8 3.8 8 3.8 8 1 13.0 7 22.4 6 32.2	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.46225 6-7 142.40690 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.46948 11-15 121.11710 12-13 121.18813 13-14 128.77348 14-15 141.41779 15-16
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.465 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 12788.30467 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30684 15 -4.690 -22.199 1333.85130 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324	AZS/C AZ -21.1 635.9 623.5 356.4 468.6 651.0 839.2 1123.5 323.5 323.5 323.5 323.5 323.5 323.6 32	SEC 10 591. A AZSUN 7 -79.7 2 -80.5 4 -80.4 9 -81.1 7 -81.6 8 -81.8 8 -82.7 5 -79.2 1 -80.4 5 -81.8 8 -81.8 1 -81.8 1 -81.8 1 -81.8 1 -81.8 1 -81.8 1 -81.8	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 346.5 37.9 45.6 52.0 69.4 64.2 57.3 63.1 49.8 38.1 29.8 23.3	57.59009  84  ALT 1275.0112'  A. 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443 67.87265 65.83530 64.45480 60.51162 57.11317 58.38848 60.51672 22.03840 64.16396 65.51239	0.972 ATLA  LA1 9 -5.1 8/A 0.896 0.923 0.996 0.967 0.918 0.872 0.802 0.952 0.996 0.972 0.982 0.990 0.942 0.871 0.846	-82.2 AS PHOTO  [161 -32: -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -95.8 -80.6 -80.9 -80.9 -84.9 -80.9	53.4 NO DN .058 INCU 69.2 66.2 66.1 66.1 66.1 65.5 57.8 65.5 57.8 66.1 66.1 66.1 66.1 66.1 66.1 66.1 67.2 68.7 70.2 69.2 69.2	58.7 5.  84  R 3010.4  PHAZ EMH 39.4 32. 47.5 52. 53.1 9. 47.7 15. 42.3 24. 42.0 29. 42.4 43.0 12. 53.1 9. 58.7 5. 53.3 9. 83.3 13. 48.3 13. 48.3 13. 48.3 13.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4 4 22.6 6 12.1 6 3.9 9 4 4.4 4 -5.3 8 3.8 8 3.8 1 3.8 1 3.8 1 3.0 1 3.0	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.4069 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.96948 11-12 117.11710 12-13 121.18813 13-14 128.77346 14-15 141.41779 15-16 113.92488 10-17
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.465 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.468173 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 1278.30467 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30644 15 -4.690 -22.199 1333.85130 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324 18 -12.581 -16.046 15.16.1151	AZS/C AZ -21.1 6. -35.9 6. -23.5 3. -56.4 6. -51.0 8. -51.0 8. -11.8 3. -22.5 8. -11.8 3. -23.5 8. -23.5 8. -23.5 8. -23.5 8. -33.0 8. -34.0 8. -35.0	SEC TO 591. AZSUN 7 -79.7 2 -80.4 9 -81.1 9 -81.1 9 -81.1 9 -81.1 6 -81.8 8 -82.7 1 -80.4 5 -81.3 8 -81.6 0 -81.8 1 -81.7 1 -81.3 3 -82.0 4 -83.2	63.5  AB NO  IMPACT  AZA 61.9 54.1 57.3 46.5 52.0 60.2 69.4 64.2 57.3 63.1 29.8 38.1 29.8 38.1 30.9	57.59009 84 ALT 1275.0112' A* 64.32504 63.39860 60.51162 61.63476 65.17443 67.87265 64.45480 62.17410 60.51162 57.11317 62.03840 64.16396 64.16396 65.51239 65.51239 67.70122	0.972 ATLA  LA1 -5.1  8/A 0.896 0.923 0.996 0.967 0.918 0.872 0.802 0.855 0.966 0.972 0.992 0.992 0.992 0.992 0.992 0.994	-82.2 AS PHOTO  [161 -32. AZPHAZ -93.5 -90.2 -85.6 -80.3 -95.8 -90.3 -95.8 -96.3 -96.9 -90.2 -81.6 -82.2 -81.6 -80.9 -80.0 -79.0	53.4 NO NO 058 INCU 558 INCU 66.2 62.8 66.1 67.2 68.7 59.7 58.6 57.3 66.5 57.3 66.5 57.3 66.5	58.7 5.  84  R 3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.3 24. 42.0 29. 42.4 37. 47.7 31. 53.1 28. 53.1 28. 53.1 3. 43.0 22. 37.0 34. 36.7 36.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4 7 23.8 4 22.6 6 12.1 6 3.9 4 4.5 3.9 4 4.4 4 5.3 8 3.8 8 3.	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.40690 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.46948 11-12 117.11710 12-13 121.18813 13-14 128.77348 14-15 141.41779 15-16 113.92488 10-17 140.32150 17-18
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 1278.391.0407 13 -5.278 -30.462 21.76.59431 14 -5.004 -26.455 1294.3684 15 -4.690 -22.199 1333.85130 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324 18 -12.581 -16.046 1451.61151 19 -17.623 -14.674 1524.73822	AZS/C AZ -21.1 625.9 625.5 356.4 425.5 325.4 877.8 411.8 323.5 323	SEC 10 591. A AZSUN 7 -79.7 2 -80.5 1 -80.4 9 -81.1 7 -81.6 8 -81.7 1 -80.4 5 -81.3 8 -81.7 1 -80.4 6 -81.3 8 -81.7 1 -81.3 8 -81.7 1 -81.3 8 -81.5 -81.5 -81.5 -81.5 -81.3 8 -81.5 -8	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 57.3 46.5 37.9 45.0 60.2 69.4 64.2 57.3 38.1 49.8 38.1 29.8 38.4 44.9	57.59009  84  ALT 1275.0112'  A* 64.32504 63.39860 60.51162 61.63466 63.24710 65.17443 67.87265 65.83530 62.17410 60.51162 57.11317 58.38848 60.51672 62.03840 64.16396 65.51239 67.70122 70.84054	0.972 ATLA LA1 9 -5.1 8/A 0.896 0.996 0.996 0.968 0.855 0.886 0.952 0.992 0.992 0.992 0.992 0.992 0.997 0.987	-82.2 AS PHOTO  [161 -32. AZPHAZ -93.5 -90.2 -85.6 -85.2 -90.3 -95.8 -90.3 -95.8 -90.2 -81.6 -82.2 -81.6 -80.9 -80.0 -79.0 -79.0 -84.2 -90.3 -96.4	53.4 NO NO NO 058 INCU 69.2 62.8 66.1 66.1 66.7 66.0 758.6 65.7 64.0 759.7 64.0 759.7 759.7 759.7 759.7 759.7 759.7	58.7 5.  84  R 3010.4  PHAZ EMH 39.4 32. 47.5 52. 53.1 9. 47.7 15. 42.3 24. 42.0 29. 42.4 43.0 12. 53.1 9. 58.7 5. 53.3 9. 83.3 13. 48.3 13. 48.3 13. 48.3 13.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 13.7 4 4.4 7 23.8 4 22.6 6 1.9 6 3.9 4 4.5 7 23.4 4 4.4 4 4.4 4 4.4 4 5.3 8 3.8 8 3.8 8 3.8 8 3.8 9	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.4069 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.96948 11-12 117.1170 12-13 121.18813 13-14 128.77348 14-15 141.41779 15-16 113.92488 16-17 140.3215c 17-18 157.88729 18-19 190.58989 19-20
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 1278.394.7957 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30684 15 -4.690 -22.199 1333.8510 16 -4.319 -17.531 1399.47957 17 -8.038 -16.1970 1412.10324 18 -12.581 -16.046 1451.61151 19 -17.623 -14.674 1524.73822 20 -23.574 -12.491 1646.64064	AZS/C AZ -21.1 623.5 356.4 478.8 478.8 323.5 323	SEC 10 591. 4 AZSUN 7 -79.7 2 -80.5 4 -80.1 9 -81.1 7 -81.6 8 -82.7 0 -80.4 6 -81.8 8 -82.7 1 -80.4 6 -81.3 8 -81.6 8 -81.8 8 -82.7 1 -80.4 6 -81.3 8 -81.6 6 -81.3 8 -81.6 6 -81.3 8 -81.6 6 -81.7 1 -81.5 6 -81.7 1 -81.5 6 -85.2 6 -85.2 6 -85.2 6 -85.2 6 -85.2 6 -85.2 6 -86.9 1 -81.2 6 -86.9 1 -81.2 6 -86.9 1 -81.2 6 -86.9 1 -81.2 6 -86.9 1 -81.2 6 -85.2 6 -86.9 1 -81.2 6 -86.9 6 -86.9	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 57.5 37.9 45.6 52.0 60.2 69.4 64.2 57.3 63.1 49.8 23.3 30.9 38.4 9 50.5 57.5	57.59009  84  ALT 1275.0112' A* 64.32504 63.39800 60.51162 61.63446 63.24710 65.17443 67.817265 65.83530 64.45366 62.17410 60.51162 67.11317 58.38848 60.51672 62.03840 64.16396 65.51239 67.70122 70.84054 75.53929 71.75061	0.972 ATLA  LAT  5/A 0.896 0.996 0.996 0.996 0.872 0.880 0.952 0.895 0.996 0.972 0.986 0.972 0.986 0.972 0.987 0.700 0.700	-82.2 AS PHOTO  T	53.4 NO NO 058 INCU 69.2 62.8 66.1 66.1 66.0 66.1 66.7 68.7 64.0 68.7 64.0 68.7 64.0 75.8 61.3 61.3 61.3 70.1 70.1 74.0 74.0 74.0	58.7 5.  84  R 3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.0 29. 42.4 32.4  42.5 33.1 9. 53.1 9. 53.1 9. 53.1 9. 53.1 3. 43.0 32. 37.0 34. 36.7 38. 37.0 34. 36.7 38. 37.1 55. 38.1 54. 43.2 46.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 4.4 7 13.9 7 23.8 4 22.6 6 12.1 6 3.9 4 4.4 4 -5.3 8 3.8 8 3.8 8 3.8 1 13.0 7 22.4 6 3.9 8 3.8 8 3.8	FQUENCE NO 174  PTH AZ  -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 148.44225 6-7 142.40690 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.96948 11-12 117.11710 12-13 121.1813 13-14 128.77348 14-15 141.41779 15-16 113.92488 16-17 140.3215c 17-18 157.88729 18-19 190.58989 19-20 178.35583 20-21
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90147 7 -17.491 -20.242 1441.17047 7 -17.491 -20.242 1441.17047 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 1278.30467 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30684 15 -4.690 -22.199 1333.85130 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324 18 -12.581 -16.046 1451.61151 19 -17.623 -14.674 1524.73822 20 -23.574 -12.491 1646.64064 21 -23.075 -18.880 1544.12959 22 -22.829 -24.354 1644.94200	AZS/C AZ -21.1 6. -33.9 6. -23.5 3. -56.4 4. -68.8 6. -51.0 8. -7.8 8. -7.8 8. -7.8 8. -11.8 3. 84.5 1. -82.0 2. -82.0 2. -84.7 4. -88.6 6. -84.0 0. -84.0 1. -74.0 6. -74.0 6. -74.0 6. -74.0 6. -74.0 7. -74.0 7.	SEC TO 591.  A AZSUN 7 -79.7 2 -80.5 1 -80.4 4 7 -79.7 5 1 -80.4 4 7 -79.2 1 -80.5 6 8 -81.8 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -79.2 5 -80.5 3 -81.8 6 -81.3 3 -82.0 6 -88.9 9 1 -84.5 8 -81.3 8 -81.6 -81.7 1 -81.3 3 -82.0 6 -88.9 9 1 -84.5 8 -81.8 5 -81.5 8 -81.5 8 -81.5 8 -81.5	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 57.3 46.5 345.6 52.0 69.4 64.2 57.3 63.1 49.8 38.1 23.3 36.9 38.4 44.0 55.7 65.1	57.59009  84  ALT 1275.0112'  A* 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443 67.87265 65.83530 62.17410 60.51162 57.11317 58.38848 60.51672 62.03840 64.16396 65.51239 67.70122 70.84054 75.53922 71.75061 69.26413	0.972 ATLA  1	-82.2 AS PHOTO  [161 -32. AZPHAZ -93.5 -90.2 -85.6 -89.2 -90.3 -94.9 -90.2 -81.6 -80.9 -84.2 -90.3 -96.4 -102.3 -101.2 -100.2	53.4 NO NO NO 1NC D 69.2 57.8 66.1 66.1 66.1 66.1 76.8 66.1 76.5 73.5 66.5 77.3 66.5 77.3 66.5 77.6 76.7	58.7 5.  84  R 3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.3 24. 42.0 29. 42.4 37. 53.1 28. 53.1 9. 53.1 30. 48.3 13. 48.3 13. 48.3 13. 48.3 13. 48.3 13. 48.3 31. 48.3 31. 48.3 31. 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3	5 -5.4 POD S V 67 2.108 5 ALPHA 5 29.1 7 13.7 4 4.4 7 23.8 6 12.1 6 3.9 4 -5.3 8 3.8 8 3.8 1 13.0 7 22.4 6 32.2 1 33.8 1 33.8 1 33.8 2 32.8 1 33.8 1 34.8 1 34.	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.40690 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.96948 11-2 117.11710 12-13 121.18813 13-14 128.17348 14-15 141.41779 15-16 113.92488 16-17 140.32150 17-18 157.18729 18-19 190.58989 19-20 178.35583 20-21 152.86236 21-22
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.465 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 1278.39467 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30684 15 -4.690 -22.199 1333.85100 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324 18 -12.581 -16.046 1451.61151 19 -17.623 -14.674 1524.73822 20 -23.574 -12.491 1646.6406.42099 22 -22.829 -24.354 1484.94200 23 -22.755 -29.353 1454.71745	AZS/C AZ -21.1 6. -35.9 6. -23.5 3. -56.4 4. -23.5 3. -56.8 6. -51.0 8. -39.2 11. -29.4 8. -11.8 3. -39.2 11. -29.4 8. -11.8 3. -34.5 1. -82.0 2. -84.7 2. -84.6 5. -74.6 8. -60.3 11. -60.3	SEC TO 591.  A AZSUN 7 -79.7 2 -80.5 1 -80.4 9 -81.1 7 -81.6 8 -82.7 10 -80.4 6 -79.2 1 -80.4 1 -81.3 3 -82.0 4 -83.2 5 -82.2 5 -85.2 6 -88.9 1 -81.2 3 -78.2 3 -78.2	63.5 AB NO IMPACT 287 AZA 61.9 54.1 57.3 46.5 45.6 52.0 60.2 66.2 67.3 49.8 38.1 29.8 38.1 29.8 30.9 45.6 50.5 60.7 65.1 73.6	57.59009  84  ALT 1275.0112'  A* 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443 67.817265 65.83530 62.17410 60.51162 67.11317 58.38848 62.17410 60.51162 67.0122 70.84054 75.53929 71.75061 69.26413 67.63056	0.972 ATLA  LAT  9 -5.1  8/A 0.896 0.996 0.996 0.996 0.802 0.805 0.995 0.990 0.992 0.990 0.971 0.846 0.772 0.760 0.760 0.7760	-82.2 AS PHOTO  [161 -32.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -95.3 -95.3 -96.4 -102.3 -100.2 -99.4	53.4 NO NO 1NC D 69.2 62.8 66.1 66.1 66.1 68.7 68.7 68.7 65.9 77.1 74.0 65.8 66.3 66.	58.7 5.  84  R, 3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.0 29. 42.4 37. 47.7 31. 53.1 9. 58.7 5. 53.1 28. 53.1 39. 58.7 5. 53.5 3. 43.0 22. 37.0 34. 38.1 54.6 48.5 41.6 48.5 41.6 53.7 39.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.17 4 4.4 7 23.8 4 22.6 6 12.1 6 1.9 6 3.9 4 4.3 8 1 3.0 7 22.4 6 1.3 9 2.1 1 33.8 1 33.8 1 33.8 2 33.9 2 32.5 7 8.6 1 -1.9	FQUENCE NO 174  PTH AZ  -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 148.44225 6-7 142.40690 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.96948 11-12 117.11710 12-13 121.1813 13-14 128.77348 14-15 141.41779 15-16 113.92488 16-17 140.3215c 17-18 157.88729 18-19 190.58989 19-20 178.35583 20-21
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.977.91470 7 -17.491 -20.242 1441.17047 8 -17.465 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 12788.30467 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30884 15 -4.690 -22.199 1333.85130 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324 18 +12.581 -16.046 1451.61151 19 -17.623 -14.674 15224.73822 20 -23.574 -12.491 1646.64064 21 -23.075 -18.880 1544.12959 22 -22.829 -24.354 1884.94200 23 -22.752 -29.353 1457.71745 24 -22.811 -34.127 1457.3225	AZS/C AZ -21.1 6. -32.9 6. -32.5 3. -56.4 4. -68.8 6. -51.0 8. -7.8 6. -7.8 8. -7.8 8. -11.8 3. -84.5 1. -82.0 2. -81.7 4. -88.6 5. -89.0 2. -81.7 4. -80.0 3 11. -90.1 15. -60.3 11. -60.3 11. -60.3 11. -74.6 8. -74.6 8. -74.6 8. -74.6 8. -74.5 8.	SEC TO 591.  A AZSUN 7 -79.7 2 -80.5 1 -80.4 9 -81.6 8 8 -82.7 0 -80.5 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -83.2 5 -88.2 1 -80.4 6 -83.2 5 -88.2 1 -80.4 7 1 -81.3 3 -82.0 1 -81.3 8 -81.6 6 -88.9 1 -81.3 8 -81.6 7 1 -81.3 7	63.5  AB NO  IMPACT 287  AZA 61.9 54.1 57.3 46.5 345.6 52.0 69.4 64.2 57.3 63.1 49.8 38.1 23.3 36.9 38.4 44.0 55.7 65.1	57.59009  84  ALT 1275.0112'  A* 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443 67.87265 65.83530 62.17410 60.51162 57.11317 58.38848 60.51672 62.03840 64.16396 65.51239 67.70122 70.84054 75.53922 71.75061 69.26413	0.972  ATLA  LA1  9 -5.1  8/A  0.893  0.496  0.967  0.918  0.872  0.802  0.952  0.992  0.992  0.992  0.992  0.972  0.871  0.760  0.760  0.760  0.760  0.7794  0.802	-82.2 AS PHOTO  [161 -32. AZPHAZ -93.5 -90.2 -85.6 -82.2 -84.9 -90.3 -94.9 -90.2 -80.0 -79.0 -79.2 -90.3 -90.4 -102.3 -101.2 -99.4 -98.7	53.4 NO NO 058 INCU 662.8 67.8 66.1 66.1 66.1 66.7 57.8 65.7 8.6 65.7 70.1 77.0 65.8 77.8 65.8 70.1 77.0 65.8 77.8 77.8 77.8 77.8 77.8 77.8 77.8 7	58.7 5.  84  R, 3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.0 29. 42.4 37. 47.7 31. 53.1 29. 53.1 9. 58.7 5. 31.4 88.3 13.1 9. 58.7 5. 31.4 88.3 13.1 45. 31.8 32. 37.0 34. 30.7 38. 37.1 45. 38.1 54. 48.5 41. 53.7 9. 58.9 39.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.17 13.97 13.97 13.97 12.3.8 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4	FQUENCE NO 174  PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.40690 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.96948 11-12 117.11710 12-13 121.18813 13-14 128.77348 14-15 141.41779 15-16 113.92488 16-17 140.32185 16-17
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.971.9140 7 -17.491 -20.242 1441.17047 8 -17.495 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 12788.30467 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30884 15 -4.690 -22.199 1333.85130 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324 18 +12.581 -16.046 1451.61151 19 -17.623 -14.674 15224.73822 20 -23.574 -12.491 1646.64064 21 -23.075 -18.880 1544.12959 22 -22.829 -24.354 1884.94200 23 -22.752 -29.353 1457.71745 25 -17.637 -34.187 131.271457.3225 25 -17.637 -34.187 131.511511	AZS/C AZ -21.1 MS  AZS/C AZ -21.1 63.9.1 63.9.2 112.9.4 87.8 87.8 87.8 87.8 68.9.2 1182.0 281.7 488.6 589.0 674.0 874.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.3 1074.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 7. 2131.2 105.9 574.0 774.	SEC TO 591.  A AZSUN 7 -79.7 2 -80.5 1 -80.4 9 -81.1 7 -81.6 8 8 -82.7 5 3 -78.4 6 -79.2 1 -80.5 3 -81.8 8 -81.3 3 -82.0 0 -81.8 1 -81.7 1 -81.3 3 -82.0 0 -81.8 1 -81.7 1 -81.3 3 -82.0 1 -81.3 4 -76.2 8 -84.5 1 -75.3 3 -78.2 1 -75.3 3 -78.2 1 -75.3 3 -78.2 1 -75.3 3 -78.2 1 -75.3 3 -78.2 1 -75.3 5 -77.6	63.5 AB NO IMPACT 287  AZA 61.9 54.1 57.3 46.2 57.6 63.1 64.2 57.6 63.1 63.1 23.3 38.1 23.3 38.1 23.3 38.1 27.6 68.2 77.6 68.7 77.6 68.7	57.59009  84  ALT 1275.0112'  A* 64.32504 63.39860 60.51162 61.63446 63.24710 60.51162 57.11317 58.38848 60.51162 57.11317 58.38848 60.51239 67.70122 70.84054 75.53929 71.75061 67.63056 66.65069 63.59788	0.972 ATLA LA11 8/A 0.896 0.992 0.997 0.918 0.996 0.972 0.808 0.972 0.982 0.997 0.982 0.997 0.982 0.997 0.982 0.997 0.982 0.997 0.9982 0.997 0.9982 0.997 0.9982 0.997 0.9982 0.997 0.9982	-82.2 AS PHOTO  [161 -32. AZPHAZ -93.5 -90.5 -90.8 -90.3 -90.2 -85.6 -80.9 -80.9 -90.3 -90.3 -90.2 -90.3 -90.2 -90.3 -90.4 -102.3 -1012.2 -90.3 -90.4 -102.3 -90.4 -102.3 -90.5 -90.5 -90.5 -90.5 -90.5	53.4 NO NO 058 INCU 69.2 67.8 66.1 67.2 64.0 59.7 64.0 70.9 77.8 65.8 65.5 70.1 74.0 75.7 65.8 65.8 65.8	58.7 5.  84  3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.0 29. 42.4 37. 47.7 31. 53.1 24. 42.0 29. 42.4 37. 47.7 31. 53.1 24. 43.0 72. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 38.1 54. 48.5 37.7 38. 58.7 39. 58.7 39. 58.4 48.5 46.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.1 7 13.9 7 23.4 6 12.1 6 12.1 6 12.1 6 12.1 6 12.1 6 12.2 1 33.8 1 13.0 7 22.4 4 4.5 7 22.4 6 12.1 6 12.1 6 12.1 6 12.1 6 13.9 9 2 32.9 1 3.8 1 3.0 1 3.0	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.4069 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.46948 11-12 117.11710 12-13 121.18813 13-14 128.77346 14-15 141.41779 15-16 113.92488 16-17 140.3215c 17-18 157.88729 18-19 190.58989 19-20 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.90747 6 -12.669 -21.150 1377.91940 7 -17.491 -20.242 1441.17047 8 -17.491 -20.242 1441.17047 8 -17.495 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 1278.394.3064 15 -4.690 -22.199 1333.85130 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324 18 -12.581 -16.046 1451.61151 19 -17.623 -14.674 1524.73822 20 -23.574 -12.491 1646.04064 21 -23.075 -18.880 1544.1299 22 -22.829 -24.354 1484.94200 23 -22.752 -29.353 1457.71745 24 -22.811 -34.127 1457.32265 5 -17.637 -34.140 1370.74301 26 -13.096 -34.187 1316.31981 27 -8.941 -34.259 1286.84230	AZS/C AZ -21.1 633.9 623.5 356.4 668.8 651.0 839.2 1129.4 811.8 329.5 129.4 811.8 329.5 129.4 811.8 329.5 129.6 874.8 674.0 860.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1160.3	SEC TO 591.  A AZSUN 7 -79.7 2 -80.4 9 -81.1 7 -81.6 8 -82.7 5 -80.5 3 -78.4 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -71.5 3 -82.0 4 -83.2 5 -85.2 6 -88.9 1 -81.7 1	63.5 AB NO IMPACT 287 AZA 61.9 57.3 46.5 57.3 46.5 52.0 60.2 60.2 60.2 63.1 83.1 93.8 44.9 57.4 44.9 57.4 73.6 82.7 75.8 82.7 75.8 85.7 75.8	57.59009  84  ALT 1275.0112'  A* 64.32504 63.39860 60.51162 61.63446 63.24710 65.17443 67.87265 65.83530 62.17410 60.51162 57.11317 58.38848 60.51672 62.038405 64.16396 65.51239 67.70122 70.84054 67.70122 70.84054 66.50069 61.593788 61.39878	0.972 ATLA LA11 9 -5-1 8/A 0.496 0.996 0.996 0.918 0.996 0.992 0.996 0.972 0.982 0.996 0.972 0.982 0.996 0.972 0.982 0.996 0.972 0.982 0.996 0.973 0.986	-82.2  AS PHOTO  [161 -32.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -95.3 -96.4 -80.9 -80.0 -79.0 -84.2 -90.3 -101.2 -100.2 -99.4 -98.5 -90.2 -99.4	53.4 NO NO 1NC 058 1NC 058 66.12 66.1.6 66.1.2 68.7 64.0 76.7 70.1 70.8 61.3 70.1 70.8 61.3 75.7	58.7 5.  84  R 3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.3 24. 42.0 29. 42.4 37. 47.7 31. 53.1 28. 53.1 3. 48.3 13. 48.3 13. 48.3 13. 48.3 13. 48.3 13. 48.3 13. 48.3 13. 48.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13. 58.3 13.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.17 1 3.9 7 23.9 4 4.4 7 23.8 4 22.6 6 12.1 6 3.9 4 4.4 4 4.4 4 4.4 4 4.4 5 29.17 7 23.8 8 3.8 8 3.8 8 3.8 8 3.8 1 13.0 7 22.4 2 3.5 8 1 13.0 7 2 3.9 9 2 32.5 8 1 19.9 9 7 8.6 1 1 -1.9 1 -1.9 1 -1.9 1 -1.9 1 -1.9 1 -1.9 1 -5.7 3 -5.7	PTH AZ -71.979 110.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.40690 7-8 132.11700 8-1 132.11700 8-1 132.11700 8-1 121.11710 12-13 121.18813 13-14 128.77348 14-15 141.41779 15-16 113.92488 16-17 140.92150 17-18 157.88729 18-19 190.58989 19-20 178.35363 20-21 152.86236 21-22 139.6047 22-23 133.33276 23-24 156.72126 24-25 137.55140 25-26
JULY 31,1964 13 HR 15 MIN 57  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.426 -18.908 1398.39154 2 -12.787 -25.744 1334.02444 3 -8.733 -30.283 1284.86703 4 -8.517 -26.169 1303.03221 5 -8.288 -21.791 1343.971.9140 7 -17.491 -20.242 1441.17047 8 -17.495 -25.171 1391.85779 9 -17.518 -29.744 1369.59253 10 -12.930 -30.042 1314.46819 11 -8.733 -30.283 1284.86703 12 -5.520 -34.339 12788.30467 13 -5.278 -30.462 1276.59431 14 -5.004 -26.455 1294.30884 15 -4.690 -22.199 1333.85130 16 -4.319 -17.531 1399.47957 17 -8.038 -16.970 1412.10324 18 +12.581 -16.046 1451.61151 19 -17.623 -14.674 15224.73822 20 -23.574 -12.491 1646.64064 21 -23.075 -18.880 1544.12959 22 -22.829 -24.354 1884.94200 23 -22.752 -29.353 1457.71745 25 -17.637 -34.187 131.271457.3225 25 -17.637 -34.187 131.511511	AZS/C AZ -21.1 633.9 623.5 356.4 668.8 651.0 839.2 1129.4 811.8 329.5 129.4 811.8 329.5 129.4 811.8 329.5 129.6 874.8 674.0 860.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1149.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1169.1 1960.3 1160.3	SEC TO 591.  A AZSUN 7 -79.7 2 -80.4 9 -81.1 7 -81.6 8 -82.7 5 -80.5 3 -78.4 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -79.2 1 -80.4 6 -71.5 3 -82.0 4 -83.2 5 -85.2 6 -88.9 1 -81.7 1	63.5 AB NO IMPACT 287  AZA 61.9 54.1 57.3 46.2 57.6 63.1 64.2 57.6 63.1 63.1 23.3 38.1 23.3 38.1 23.3 38.1 27.6 68.2 77.6 68.7 77.6 68.7	57.59009  84  ALT 1275.0112'  A* 64.32504 63.39860 60.51162 61.63446 63.24710 60.51162 57.11317 58.38848 60.51162 57.11317 58.38848 60.51239 67.70122 70.84054 75.53929 71.75061 67.63056 66.65069 63.59788	0.972 ATLA LA11 9 -5-1 8/A 0.496 0.996 0.996 0.918 0.996 0.992 0.996 0.972 0.982 0.996 0.972 0.982 0.996 0.972 0.982 0.996 0.972 0.982 0.996 0.973 0.986	-82.2  AS PHOTO  [161 -32.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -95.3 -96.4 -80.9 -80.0 -79.0 -84.2 -90.3 -101.2 -100.2 -99.4 -98.5 -90.2 -99.4	53.4 NO NO 1NC 058 1NC 058 66.12 66.1.6 66.1.2 68.7 64.0 76.7 70.1 70.8 61.3 70.1 70.8 61.3 75.7	58.7 5.  84  3010.4  PHAZ EMI 39.4 32. 47.5 22. 53.1 9. 47.7 15. 42.0 29. 42.4 37. 47.7 31. 53.1 24. 42.0 29. 42.4 37. 47.7 31. 53.1 24. 43.0 72. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 37.8 32. 38.1 54. 48.5 37.7 38. 58.7 39. 58.7 39. 58.4 48.5 46.	5 -5.4 POD S V 67 2.108 S ALPHA 5 29.17 1 3.9 7 23.9 4 4.4 7 23.8 4 22.6 6 12.1 6 3.9 4 4.4 4 4.4 4 4.4 4 4.4 5 29.17 7 23.8 8 3.8 8 3.8 8 3.8 8 3.8 1 13.0 7 22.4 2 3.5 8 1 13.0 7 2 3.9 9 2 32.5 8 1 19.9 9 7 8.6 1 1 -1.9 1 -1.9 1 -1.9 1 -1.9 1 -1.9 1 -1.9 1 -5.7 3 -5.7	PTH AZ -71.979 116.552  SCALE PT-PT 0. 0-1 206.57721 1-2 182.51847 2-3 123.38423 3-4 131.34073 4-5 134.05419 5-6 148.44225 6-7 142.4069 7-8 132.11700 8-9 139.23516 9-10 127.31910 10-11 155.46948 11-12 117.11710 12-13 121.18813 13-14 128.77346 14-15 141.41779 15-16 113.92488 16-17 140.3215c 17-18 157.88729 18-19 190.58989 19-20 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21 178.35953 20-21

JULY 31,1964 13 HR	14 MIN 2	FEC. 422	ur		TAB NO	85	ATL	AS PHOTO	) NO	85		POD S	SEQUENCE N	0 176
TRAJECTURY DATA	16 MIN 2	3EL 633	M2	SEC TO		ALT	LA	T L	ON		R	v	PTH	AZ
00000 0000				586.	167	1264.7405	1 -5.	190 -32	.001	300		2.111	-71.938 1	
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	Δ.	0.44	AZPHAZ						
1 -11.417 -18.928		-21.3	6.7	-79.8	61.7	63.82188				PHAZ 39.4		29.0	SCALE 0.	PT-PT 0- 1
	1323.63959	-36.0	6.3	-80.6	54.0	62.90507		-90.2		47.5		13.8	204.41348	
	1274.67567	-23.9	3.1	-80.4	57.1	60.03168	0.995	-85.6		53.1		4.4	181.13504	
	1292.86255	-56.4	5.0	-81.1	46.4	61.15336		-85.2		47.7		13.9	122.43740	
	1333.52611	-68.7	6.7	-81.6	37.9	62.75837		-84.8		42.3		23.7	130.35338	4- 5
	1367.30298	-51.1 -39.2	8.8	-81.8	45.6	64.67230		-90.3		42.0		23.9	133.02645	
8 -17.416 -25.119		-25.6	8.0	-82.7 -80.5	52.0 60.0	67.34603 65.31959		-95.8 -95.3	68.7	42.4	37.4	22.7	147.26086	
9 -17.467 -29.656		-8.0	4.3	-78.5	69.1	63.94111		-94.9	50.0	47.7 53.1	31.6	12-1	141.33175	
10 -12.917 -29.953	1304.06233		3.6	-79.2	63.9	61.68192		-90.2		52.9		2.0 4.0	131.10447	
11 -8.753 -30.194	1274.67567		3.1	-80.4	57.1	60.03168		-85.6		53.1		4.4	126.31451	
12 -5.566 -34.218	1267.88060	83.8	1.5	-81.3	62.7	56.63686		-82.2		58.7	5.3	-5.1	154.72640	
		-81.4	2.8	-81.6	49.6	57.92858		-81.6		53.5	3.9	3.9	116.16860	
	1323.46390	-87.5	4.0	-81.7	38.1	60.04057		-80.9		48.3		13.1	120.25048	
	1323.46390	-88.5 -88.9	5.2	-81.6 -81.3	29.9 23.4	61.55486	0.941	-80.0		43.0		22.5	127.79622	
	1401.22276	-74.6	8.4	-82.0	30.9	63.66487	0.871	-79.0 -84.2		37.8		32.2	140.32845	
18 -12.572 -16.065	1440.44440	-60.3	11.4	-83.2	38.4	67.18048		-90.3	72.1	37.0 36.7	38.5	33.7	113.05316	
19 -17.573 -14.706	1512.88208		15.4	-85.2	44.8	70.28992		-96.4	73.9	37.1	45.2	33.9	156.60813	
20 -23.471 -12.552		-40.7	21.5	-88.9	50.4	74.93146				38.1		32.4	188.80297	
			16.1	-84.5	57.3	71.18032				43.2		19.9	176.81403	
	1473.07567	-19.6	10.7	-81.3	00.U	68.71031				48.5		8.7	151.66972	
	1445.87271	-6.0 8.3	5.4	-78.3	73.4	67.08058		-99.4		53.7		-1.8	130.31614	
	1359.55560	11.1	-0.1 0.5	-75.4 -76.3	82.4 79.3	66.09449		-98.7		58.9			132.23592	
	1305.66026	16.6	0.9	-77.7	75.4	63.07866 60.90159		-94.5 -90.2		58.4 58.2		-7.8	155.28949	
	1276.41272	31.7	1.2	-79.5	68.1	58.94273		-85.9		58.4		-5.6 -4.8	136.39878 124.87171	
28 -5.566 -34.218	1267.88060	83.8	1.5	-81.3		56.63686			53.6	58.7	5.3	-5.1	102.81105	
					TAR NO	86	ATI /	AC DUATA	NO	96		DOD 0	COLLENGE N	
JULY 31,1964 13 HR	16 MIN 7	SEC 752	MS		TAB NO	86	ATL	AS PHOTO	NO	86		POD S	EQUENCE N	0 178
JULY 31,1964 13 HR TRAJECTORY DATA	: 16 MIN 7	SEC 752		SEC TO	IMPACT	ALT	LA	T L	ON		R	v	PTH	ΑZ
	: 16 MIN 7	SEC 752			IMPACT		LA	T L	ON			v	-	ΑZ
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	SEC 752		SEC TO	IMPACT	ALT	LA <sup>2</sup>	T L: 219 ~31	ON •943	298	9.915	v 2.114	PTH -71.896 1	AZ 16.537
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.407 -18.947	RANGE 1376.09563			SEC TO 581.	IMPACT 047	ALT 1254.45932	LA 2 -5.2 B/A	T L 219 ~31 AZPHAZ	ON •943	298	9.915 EMIS	V 2.114 Al Pha	PTH -71.896 1 SCALE	AZ 16.537 PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634	RANGE 1376.09563 1313.23708	AZS/C -21.4 -36.1	AZN 6.7 6.3	SEC TO 581. AZSUN -79.8 -80.6	IMPACT -047 AZA 61.5 53.9	ALT 1254.45932 A* 63.31790 62.41070	LA <sup>2</sup> -5.2 B/A 0.896 0.922	T L: 219 ~31 AZPHAZ -93.5 -90.2	ON •943 INCD 69•2 62•9	298 PHAZ 39.4 47.5	9.915 EMIS 32.4 22.8	V 2.114 Al Pha	PTH -71.896 1	AZ 16.537 PT-PT 0- 1
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105	RANGE 1376.09563 1313.23708 1264.47305	AZS/C -21.4 -36.1 -24.4	AZN 6.7 6.3 3.1	SEC TO 581. AZSUN -79.8 -80.6 -80.4	IMPACT -047 AZA 61.5 53.9 56.9	ALT 1254-45932 A* 63.31790 62-41070 59-55120	B/A 0.896 0.922 0.995	T L: 219 ~31 AZPHAZ -93.5 -90.2 -85.6	ON •943 INCD 69•2 62•9 58•0	298 PHAZ   39.4 47.5 53.1	9.915 EMIS 32.4 22.8 9.5	V 2.114 ALPHA 29.0 13.8 4.5	PTH -71.896 1 SCALE 0. 202.26393 179.74816	AZ 16.537 PT-PT 0- 1 1- 2 2- 3
TRAJECTORY DATA PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105 4 -8.561 -26.054	RANGE 1376-09563 1313-23708 1264-47305 1282-67699	AZS/C -21.4 -36.1 -24.4 -56.4	AZN 6.7 6.3 3.1 5.0	SEC TO 581. AZSUN -79.8 -80.6 -80.4 -81.1	IMPACT .047 AZA 61.5 53.9 56.9 46.3	ALT 1254-45932 A* 63.31790 62-41070 59-55120 60-67150	B/A 0.896 0.922 0.995 0.966	T L 219 ~31 AZPHAZ -93.5 -90.2 -85.6 -85.2	ON •943 INCD 69•2 62•9 58•0 62•0	298 PHAZ 39.4 47.5 53.1 47.7	9.915 EMIS 32.4 22.8 9.5 15.9	V 2.114 ALPHA 29.0 13.8 4.5 14.0	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882	AZ 16.537 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105 4 -8.561 -26.054 5 -8.336 -21.742	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444	AZS/C -21.4 -36.1 -24.4 -56.4 -68.7	AZN 6.7 6.3 3.1 5.0 6.7	SEC TO 581. AZSUN -79.8 -80.6 -80.4 -81.1 -81.6	IMPACT -047 AZA 61.5 53.9 56.9 46.3 37.9	ALT 1254-45932 A* 63.31790 62.41070 59.55120 60.67150 62.26869	LA 2 -5.2 B/A 0.896 0.922 0.995 0.966 0.918	T L' 219 ~31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8	ON •943 INCD 69•2 62•9 58•0 62•0 66•2	298' PHAZ   39.4   47.5   53.1   47.7   42.3	9.915 EMIS 32.4 22.8 9.5 15.9 24.6	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314	AZ 16.537 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105 4 -8.561 -26.054 5 -8.336 -21.742 6 -12.649 -21.109	RANGE 1376-09563 1313-23708 1264-47305 1282-67699	AZS/C -21.4 -36.1 -24.4 -68.7 -51.1	AZN 6.7 6.3 3.1 5.0	SEC TO 581. AZSUN -79.8 -80.6 -80.4 -81.1 -81.6 -81.9	IMPACT .047 AZA 61.5 53.9 56.9 46.3 37.9 45.5	ALT 1254.45932 A* 63.31790 62.41070 59.55120 60.67150 62.26869 64.16910	B/A 0.896 0.922 0.995 0.966 0.918	T L19 ~31  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3	ON •943 INCD 69•2 62•9 58•0 62•0 66•2 67•2	298' PHAZ 39.4 47.5 53.1 47.7 42.3 42.0	9.915 EMIS 32.4 22.8 9.5 15.9 24.6 29.8	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7 23.9	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610	AZ 16.537 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105 4 -8.561 -26.054 5 -8.336 -21.742 6 -12.649 -21.109 7 -17.394 -20.216 8 -17.368 -25.068	RANGE 1376.09563 1313.23708 1264.47305 1282.67699 1323.12444 1356.66403 1418.78043 1370.03673	AZS/C -21.4 -36.1 -24.4 -56.4 -68.7	AZN 6.7 6.3 3.1 5.0 6.7 8.8	SEC TO 581. AZSUN -79.8 -80.6 -80.4 -81.1 -81.6	IMPACT .047 AZA 61.5 53.9 56.9 46.3 37.9 55.5 51.9	ALT 1254.4593 A* 63.31790 62.41070 59.55120 60.67150 62.26869 64.16910 66.81825	B/A 0.896 0.922 0.995 0.966 0.918 0.872 0.802	T LI 219 ~31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 +95.8	ON .943 INCD 69.2 62.9 58.0 62.0 66.2 67.2 68.7	298' PHAZ   39.4 47.5 53.1 47.7 42.3 42.0 42.4	9.915 EMIS 32.4 22.8 9.5 15.9 24.6 29.8 37.3	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7 23.9 22.7	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07658	AZ 16.537 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105 4 -8.561 -26.054 5 -8.336 -21.742 6 -12.649 -21.109 7 -17.394 -20.216 8 -17.394 -20.216 9 -17.417 -29.569	RANGE 1376.09563 1313.23708 1264.47305 1282.67699 1323.12449 1356.66403 1418.78043 1370.03673 1370.03673	AZS/C -21.4 -36.1 -24.4 -56.4 -68.7 -51.1 -39.3 -25.7 -8.2	AZN 6.7 6.3 3.1 5.0 6.7 8.8 11.7 8.0	SEC TO 581. AZSUN -79.8 -80.6 -80.4 -81.1 -81.6 -81.9 -82.7 -80.6	IMPACT .047 AZA 61.5 53.9 56.9 46.3 37.9 45.5 51.9 68.9	ALT 1254.45932 A* 63.31790 62.41070 59.55120 60.67150 62.26869 64.16910 66.81825 64.80300 63.42681	LA <sup>2</sup> -5 8/A 0.896 0.922 0.995 0.966 0.918 0.872 0.802 0.806	AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.2 -90.3 -95.8 -95.8 -95.3	ON .943 INCD 69.2 62.9 58.0 62.0 66.2 67.2 68.7 64.1	298' PHAZ 39.4 47.5 53.1 47.7 42.3 42.0	9.915 EMIS 32.4 22.8 9.5 15.9 24.6 29.8 37.3	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7 23.9	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610	AZ 16.537 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6- 7 7- 8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.368 -25.068  9 -17.417 -29.569  10 -12.904 -29.865	RANGE 1376.09563 1313.23708 1264.47305 1282.67699 1323.12444 1356.66403 1418.78043 1370.03673 1347.75502 1293.64377	AZS/C -21.4 -36.1 -24.4 -56.4 -58.7 -51.1 -39.3 -25.7 -8.2 -12.4	AZN 6.7 6.3 3.1 5.0 6.7 8.8 11.7 8.0 4.3 3.6	SEC TO 581.  AZSUN -79.8 -80.6 -80.4 -81.1 -81.9 -82.7 -80.6 -78.5 -79.3	IMPACT .047 AZA 61.5 53.9 56.9 46.3 37.9 51.9 59.9 68.9 63.7	ALT 1254.45932 A* 63.31790 62.41070 60.67150 62.26869 64.16910 66.81825 64.80300 63.42681 61.18914	B/A 0.896 0.992 0.995 0.966 0.918 0.872 0.802 0.802 0.802 0.803	AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2	ON .943 INCD 69.2 62.9 58.0 62.0 66.2 67.2 68.1 59.9 58.8	298' PHAZ   39.4   47.5   53.1   42.3   42.4   47.7   53.1   52.9	9.915 EMIS 32.4 22.8 9.5 15.9 24.6 29.8 37.3 31.6 28.5	V 2.114 AL PHA 29.0 13.8 4.5 14.0 23.7 23.9 22.7 12.2	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07658	AZ 16.537 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105 4 -8.561 -26.054 5 -8.336 -21.742 6 -12.649 -21.109 7 -17.394 -20.216 9 -17.417 -29.569 10 -12.904 -29.865 11 -8.774 -30.105	RANGE 1376-09563 1313-23708 1313-23708 1282-67699 1323-12444 1356-66403 1418-78043 1370-03673 1347-75502 1293-64377 1264-47305	AZS/C -21.4 -24.4 -56.4 -68.7 -39.3 -25.7 -8.2 -24.4	AZN 6.7 6.3 3.1 5.0 6.7 8.8 11.7 8.0 4.3	SEC TO 581.  AZSUN -79.8 -80.4 -81.1 -81.6 -81.9 -82.7 -80.6 -78.5 -79.3 -80.4	IMPACT .047 AZA 61.5 53.9 56.9 46.3 37.9 51.9 59.9 68.7 56.9	ALT 1254.4593 63.31790 62.41070 59.55120 60.67150 62.26869 64.16910 66.81825 64.80300 63.42681 61.18914	B/A 0.896 0.922 0.996 0.918 0.872 0.802 0.856 0.856 0.952	T L: 219 ~31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2 -85.6	ON .943 INCD 69.2 62.9 58.0 62.0 66.2 67.2 68.7 64.1 59.9 58.8	298' PHAZ 39-4 47.5 53-1 47.7 42.3 42.0 42.4 47.7 53.1 52.9 53.1	9.915 EMIS 32.4 22.8 9.5 15.9 24.6 237.3 31.6 28.5 18.7	V 2.114 AL PHA 29.0 13.8 14.0 23.7 23.9 22.7 12.2 2.1 4.0 4.5	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07658 140.25286 130.08977 136.96678 125.30839	AZ 16.537 PT-PT 0-11-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  6 -12.649 -21.109  7 -17.394 -20.216  8 -17.396 -25.068  9 -17.417 -29.569  10 -12.994 -29.865  11 -8.774 -30.105  12 -5.613 -34.098	RANGE 1376.09563 1313.23708 1264.47305 1282.67699 1323.12444 1356.66603 1370.03673 1347.75502 1293.64377 1264.47305	AZS/C -21.4 -36.1 -24.4 -56.4 -58.7 -51.1 -39.3 -25.7 -8.2 -12.4 -24.4 83.1	AZN 6.7 6.3 3.1 5.0 6.8 8.8 11.7 8.0 4.3 3.1	SEC TO 581.  AZSUN -79.8 -80.6 -80.4 -81.1 -81.6 -81.9 -82.7 -80.6 -78.5 -79.3 -80.4 +81.3	IMPACT .047 AZA 61.5 53.9 56.9 46.3 45.5 51.9 68.9 63.7 56.9	ALT 1254.4593; A* 63.31790 62.41070 59.55120 60.67120 62.26869 64.16910 60.81825 64.80300 63.42681 61.18914 59.55120	LA 2 -5 8/A 0.894 0.995 0.995 0.966 0.872 0.802 0.802 0.802 0.856 0.870 0.995 0.995	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -95.8 -90.2 -85.2	ON .943 INCD 69.2 62.9 58.0 62.0 66.2 67.2 68.7 64.1 59.9 58.8 58.8 53.7	298' PHAZ   39-4   47-7   42-3   42-0   42-4   47-7   53-1   52-9   53-1   58-7	9.915 EMIS 32.4 22.8 9.5 15.9 24.6 237.3 31.6 28.5 18.7 9.5 5.2	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7 23.7 22.7 12.2 2.1 4.5 -5.0	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07558 140.25286 130.08977 136.96678 125.30839	AZ 16.537 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105 4 -8.561 -26.054 5 -8.336 -21.742 6 -12.649 -21.109 7 -17.394 -20.216 8 -17.417 -29.569 11.417 -29.569 11.8.774 -30.105 12 -5.613 -34.098 13 -5.373 -30.284	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1370-03673 1347-75502 1293-64377 1264-47305 1256-19257	AZS/C -21.4 -36.1 -24.4 -56.4 -68.7 -51.1 -25.7 -8.2 -12.4 -24.4 -83.1 -80.9	AZN 6.7 6.3 3.1 5.0 6.8 8.0 4.3 3.6 3.1 1.5	SEC TO 581. AZSUN -79.8 -80.4 -81.1 -81.6 -81.9 -82.7 -80.6 -79.3 -80.4 -81.3	IMPACT .047 AZA 61.5 53.9 46.3 37.9 551.9 59.9 68.9 68.7 56.9 49.5	ALT 1254.45932 63.31790 62.41070 60.67150 60.67150 64.16910 64.18915 64.8030 63.42681 61.18914 59.55120 56.16090	LA2 -5  8/A 0.896 0.922 0.995 0.968 0.872 0.802 0.802 0.857 0.952 0.953	T L: 219 ~31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.9 -95.3 -95.3 -95.3 -94.9 -90.2 -85.6 -82.2 -81.6	ON .943 INCD 69.2 62.9 58.0 66.2 67.2 68.1 59.9 58.8 58.0 53.7	298' PHAZ   39-4   47-5   147-7   42-3   42-0   42-4   42-5   53-1   52-9   53-1   53-5   53-	9.915 EMIS 32.4 22.8 15.9 24.6 23.3 31.6 28.7 9.5 4.0	V 2.114 AL PHA 29.0 13.8 4.5 14.0 23.9 22.7 12.2 2.1 4.0 4.5 -5.0 4.0	PTH -71.896 1 SCALE 0. 202.26393 179.74616 121.48882 129.36314 140.02586 130.08977 135.96678 125.30839 153.48267	AZ 16.537 PT-PT 0-11-22-33-44 5-66-77-88-99-10 10-1111-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.394 -20.216  8 -17.368 -25.068  9 -17.417 -29.569  10 -12.994 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  4 -5.103 -26.337	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1370-03673 1347-7550 1293-64377 1264-47305 1257-45215 1256-19257	AZS/C -21.4 -36.1 -24.4 -56.4 -56.4 -68.7 -51.1 -39.3 -25.7 -8.2 -12.4 -24.4 -83.1 -80.9	AZN 6.7 6.3 3.1 5.0 6.7 8.8 11.7 8.0 3.6 3.1 1.5 2.8	AZSUN -79.8 -80.6 -80.4 -81.1 -81.6 -78.5 -78.5 -80.4 -81.3 -81.6 -81.3 -81.6 -81.7	IMPACT .047 AZA 61.5 53.9 56.9 37.9 45.5 59.9 68.9 68.9 62.3 49.5	ALT 1254-45932 Ae 63.31790 62.41070 59.55120 60.67150 62.26869 64.16910 66.81825 64.80300 63.42681 61.18914 59.55120 56.16090 57.46826 59.56378	LA 2 -5.: 8/A 0.896 0.992 0.995 0.916 0.817 0.802 0.802 0.856 0.872 0.952 0.955 0.971 0.989	T L' 219 ~31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2 -85.6 -82.2 -81.6	ON .943 INCD 69.2 62.9 58.0 66.2 67.2 68.7 69.9 58.8 58.0 53.7 57.5 61.4	298 PHAZ 39-4 47-5 53-1 47-7 42-3 42-4 47-7 53-1 52-9 53-1 58-5 48-3	9.915 EMIS 32.4 22.8 15.9 24.6 23.3 31.6 28.5 18.7 9.5 4.0 13.2	V 2.114 AL PHA 29-0 13-8 4-5 14-0 23-7 12-2 2-1 4-5 -5-0 4-5 -5-0 13-1	PTH -71.896 1  SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07658 140.25286 140.25286 125.30839 125.30839 125.30839 135.48267 115.21989	AZ 16.537 PT-PT 0-11-22-33-44-55-66-77-88-99-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.398 -25.068  9 -17.417 -29.569  10 -12.904 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  5 -4.793 -22.146	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1370-03673 1347-75502 1293-64377 1264-47305 1256-19257 1273-93597	AZS/C -21.4 -36.1 -24.4 -56.4 -68.7 -51.1 -39.3 -25.7 -8.2 -12.4 -24.4 83.1 -80.9 -87.2	AZN 6.7 6.3 3.1 5.0 6.7 8.8 11.7 8.0 3.6 3.1 1.5 2.8 4.1	SEC TO 581.  AZSUN -79.8 -80.6 -80.4 -81.1 -81.6 -78.5 -79.3 -80.4 -81.3 -81.6 -81.7 -81.6	IMPACT 047 AZA 61.5 53.9 46.3 37.9 56.9 59.9 63.7 56.9 49.5 38.1	ALT 1254.45932 63.31790 62.41070 69.55120 60.67150 64.16910 64.16910 64.81825 64.80300 63.42681 61.18914 59.55120 56.16090 57.46826 59.56378	LA2 -5.:  B/A 0.896 0.922 0.995 0.966 0.918 0.872 0.802 0.806 0.887 0.955 0.971 0.982 0.995	T 219 ~31 AZPHAZ ~93.5 ~90.5 ~90.6 ~85.6 ~85.6 ~85.6 ~90.3 ~95.8 ~95.3 ~94.9 ~90.2 ~85.6 ~80.9	ON .943 INCD 69.2 62.9 58.0 62.0 66.2 68.7 64.1 59.9 58.8 58.0 53.7 57.5 61.4	298' PHAZ 39.4 47.5 53.1 47.7 42.3 42.0 42.4 47.7 53.1 52.9 53.1 58.7 53.5 43.0	9.915 EMIS 32.4 9.5 15.9 24.6 29.8 331.6 218.7 9.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7 23.7 12.2 2.1 4.5 -5.0 4.0 13.1 22.5	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 140.25286 130.08977 136.96678 125.30839 153.48267 15.21989 119.31132	AZ 16.537 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947 2 -12.765 -25.634 3 -8.774 -30.105 4 -8.561 -26.054 5 -8.336 -21.742 6 -12.649 -21.109 7 -17.398 -25.068 9 -17.417 -29.569 10 -12.904 -29.865 11 -8.774 -30.105 12 -5.613 -34.098 13 -5.373 -30.284 14 -5.103 -26.337 5 -4.793 -22.146 16 -4.428 -17.549 17 -8.990 -16.994	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1370-03673 1347-75502 1293-64377 1264-47305 1256-19257 1273-93597	AZS/C -21.4 -36.1 -24.4 -56.4 -56.4 -68.7 -51.1 -39.3 -25.7 -8.2 -12.4 -24.4 -83.1 -80.9	AZN 6.7 6.3 3.1 5.0 6.7 8.8 11.7 8.0 3.6 3.1 1.5 2.8	SEC TO 581.  AZSUN -79.8 -80.4 -81.1 -81.6 -81.9 -82.7 -80.6 -78.5 -78.5 -80.6 -81.3 -81.6 -81.7 -81.6 -81.7 -81.6 -81.3	IMPACT .047 AZA 61.5 9 56.3 9 45.5 9 45.5 51.9 9 683.7 9 683.7 9 683.7 9 62.3 581.1 29.5	ALT 1254-4593 49 63.31790 62-41070 60-67150 60-67150 60-81825 64-80300 63-42681 61-18914 59-55120 59-56378 61-6090 57-46826 61-6090 57-46826 63-616090 57-46826 63-616090 63-616090 63-616090 63-616090 63-616090 63-616090 63-616090 63-616090 63-616090 63-616090	LA 2 -5 8/A 0.896 0.922 0.995 0.918 0.872 0.856 0.857 0.952 0.997 0.982 0.998 0.941	T LI 219 ~31 AZPHAZ ~93.5 ~90.2 ~85.6 ~85.2 ~84.8 ~90.3 ~95.3 ~95.3 ~94.9 ~90.2 ~81.6 ~82.2 ~81.6 ~80.9 ~80.9	ON .943 INCD 69.2 69.2 58.0 62.0 66.2 67.2 68.7 64.1 59.9 58.8 58.0 53.7 57.5 61.4 65.5	298 PHAZ 39-4 47-5 53-1 47-7 42-0 42-4 47-7 53-1 52-9 53-1 58-7 53-5 48-3 43-0 37-8	9.915 EMIS 32.4 22.5 15.9 24.6 331.6 5.2 14.0 22.7 32.7	V 2.114 AL PHA 29.0 13.8 4.5 14.0 23.7 22.7 12.2 2.1 4.0 4.5 -5.0 13.1 22.5	PTH -71.896 1 SCALE 0. 20.26393 179.74816 121.48882 129.36314 131.99610 146.07658 140.25286 130.08977 136.96678 125.30839 125.30839 125.31832 126.81633 126.81633	AZ 16.537 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6- 7 7- 8 8- 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.394 -20.216  8 -17.368 -25.008  9 -17.417 -29.569  10 -12.904 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.793 -22.146  6 -4.428 -17.549  17 -8.090 -16.994  18 -12.563 -16.084	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1370-03673 1347-75502 1293-64377 1264-47305 1256-19257 1273-93597 1313-05841 1377-71007 1390-31738	AZS/C -21.4 -36.4 -56.4 -56.7 -51.1 -39.3 -25.7 -81.2 -24.4 83.1 -80.9 -87.2 -88.8 -74.5	AZN 6.7 6.3 3.1 5.0 6.7 8.8 11.7 8.3 3.1 1.5 2.8 4.1 5.2 6.4	SEC TO 581.  AZSUN -79.8 -80.6 -80.4 -81.1 -81.6 -78.5 -79.3 -80.4 -81.3 -81.6 -81.7 -81.6 -81.7 -81.6 -81.3 -82.0 -83.2	IMPACT  AZA 61.5 956.9 37.5 959.9 68.7 962.5 38.1 23.5 31.0	ALT 1254-45933 4-9 63.31790 62-41070 60-67150 60-67150 60-81825 64-80300 63-42681 61-18914 59-55120 56-16090 57-46826 63-14690 57-46826 63-16477 64-50127 66-65846	LA2 -5.:  8/A 0.896 0.992 0.995 0.966 0.872 0.802 0.856 0.971 0.982 0.995 0.968 0.971 0.982 0.998 0.971 0.982	T 219 ~31 AZPHAZ ~93.5 ~90.5 ~85.6 ~85.6 ~85.2 ~84.8 ~90.3 ~95.3 ~94.9 ~90.2 ~85.6 ~80.2 ~81.6 ~80.9	ON .943 INCD 69.2 62.9 58.0 62.0 66.2 67.2 68.7 64.1 59.9 58.8 58.0 53.7 57.5 61.4 65.5 70.1	298' PHAZ 39.4 47.5 53.1 47.7 42.3 42.0 42.4 47.7 53.1 52.9 53.1 58.7 53.5 43.0	9.915 EMIS 322.8 29.5 15.9 24.6 237.3 331.6 28.5 18.7 5.2 4.0 13.2 22.6 13.2 334.1	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7 23.7 12.2 2.1 4.5 -5.0 4.0 13.1 22.5	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07558 140.25286 130.08977 136.96678 125.30839 125.30839 125.30839 125.30833	AZ 16.537 PI-PT 0-11-2-33-4-55-66-77-88-90 10-111-1212-13 13-14-15-16-16-16-16-16-16-16-16-16-16-16-16-16-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11. 407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.368 -25.068  9 -17.417 -29.566  10 -12.904 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.773 -22.146  16 -4.428 17.549  17 -8.090 -16.994  18 -12.563 -16.084  9 -17.524 -14.739	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1347-75502 1293-64377 1264-47305 1257-45215 1256-19257 1273-3597 1273-3597 1313-05841 1377-71007 1390-31738	AZS/C -21.4 -36.1 -24.4 -56.4 -56.7 -51.1 -39.3 -25.7 -80.2 -12.4 -24.4 -80.9 -87.2 -88.4 -49.1 -40.3	AZN 6.73 3.1 5.07 8.8 11.7 8.3 3.6 3.15 4.12 8.4 11.4	SEC TD 581.  AZSUN - 79.8 6 - 80.4 - 81.6 - 81.9 9 - 82.7 - 80.5 - 78.5 - 79.3 - 80.4 - 81.3 - 81.6 - 81.6 - 81.3 - 81.6	IMPACT 047 AZA 513.9 566.9 37.9 559.9 63.7 62.3 49.5 29.5 38.1 29.5 38.4 44.8	ALT 1254.45932 63.31790 62.41070 62.26869 64.16910 66.81825 64.80300 63.42681 61.18914 59.55120 56.16090 57.46826 63.16477 64.65846 69.73793	LA2 -5.2 8/A 0.896 0.992 0.996 0.918 0.872 0.802 0.856 0.871 0.952 0.989 0.981 0.981 0.971 0.982 0.989 0.981 0.971 0.982 0.987 0.971 0.987 0.977 0.977 0.777	T Lilly -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.6 -85.6 -80.0 -79.0 -84.2 -90.3 -96.4	ON .943 INCD 69.2 62.9 58.0 66.2 67.2 64.1 58.8 58.0 53.7 61.4 65.5 70.1 70.8 72.1	298' PHAZ 39-4 47-5 53-1 47-7 42-3 42-0 42-4 47-7 53-1 53-5 48-3 43-0 37-0 36-7 37-1	9.915 EMIS482-85 129-96-8 154-68 154-85 154-85 154-85 154-85 174-174-17 174-17	V 2.114 ALPHA 29.0 8 14.5 14.0 7 23.7 23.9 22.7 2 2.1 4.0 5 -5.0 13.1 22.5 2 33.7 34.8 8 33.8	PTH -71.896 1 SCALE 0. 20.26393 179.74816 121.48882 129.36314 131.99610 146.07658 140.25286 130.08977 136.96678 125.30839 125.30839 125.31832 126.81633 126.81633	AZ 16.537 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.394 -20.216  8 -17.417 -29.569  10 -12.994 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.793 -22.146  16 -4.428 -17.549  17 -8.090 -16.994  17 -8.090 -16.994  19 -17.524 -14.739  19 -17.525 -16.084  19 -17.525 -16.084  19 -17.525 -14.739	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1370-03673 1347-75502 1293-64377 1264-47305 1256-19257 1273-93597 1313-05841 1377-71007 1390-31738 1429-24966 1500-99637	AZS/C -21.4 -36.1 -24.4 -56.4 -75.1 -25.7 -8.2 -12.4 -24.4 -88.8 -74.5 -76.3 -49.1 -40.8	AZ.7 6.3 3.1 5.7 8.8 11.7 8.3 3.61 1.5 4.1 2.4 11.4 15.4	SEC TO 581. AZSUN -79.8 -80.4 -81.1 -81.6 -81.9 -82.7 -80.6 -78.5 -81.3 -81.4 -81.3 -81.5 -81.3 -81.5 -81.3	IMPACT  AZA 61.59 56.9 37.9 56.9 551.9 562.9 562.9 38.4 444.8	ALT 1254-45932 63.31790 62.41070 69.55120 60.67150 62.26869 64.16910 64.80820 63.42681 61.1891.25 55.55120 55.56378 61.07049 63.16477 64.50127 76.65846 69.73793 74.32235	LA2 -5.2  8/A 0.8896 0.922 0.995 0.966 0.887 0.856 0.856 0.895 0.995 0.971 0.982 0.987 0.987 0.987 0.987 0.987 0.987 0.987	T L'219 ~31 AZPHAZ ~93.5 ~90.2 ~85.6 ~85.2 ~84.8 ~90.3 ~95.8 ~95.3 ~95.6 ~85.2 ~81.6 ~80.9 ~80.0 ~79.0 ~79.0 ~79.0 ~79.0 ~79.0 ~79.0 ~79.0 ~79.0 ~79.0 ~79.102.3 ~96.4 ~102.3 ~10	ON .943 INCD 62.9 58.0 66.2 67.2 64.1 59.9 58.0 53.7 54.1 77.4 65.5 70.1 72.1 73.9	298 PHAZ 39-4 47-5 53-1 47-7 42-3 42-4 42-4 53-1 52-9 58-7 53-5 48-3 43-0 37-8 37-8 37-8 37-8 37-8	9.915 E322-8 5-96-8 322-9-96-8 328-7-52218-7-5218-7-5218-7-523348-51-522-613-22-613-65-61-51-61-61-61-61-61-61-61-61-61-61-61-61-61	V 2.114 AL PHA 29.0 13.8 4.5 14.0 7 23.9 7 12.7 2 2.1 4.0 5 -5.0 4.0 1 22.5 32.2 7 34.4 4 33.8 4	PTH -71.896 1 SCALE 0. 20.26393 179.74616 121.48882 129.36314 131.99610 146.07558 140.25286 130.08977 136.96678 125.30839 153.48267 115.21989 119.31132 126.81633 139.23550 112.17932 138.16644 155.32571 137.01567	AZ 16.537 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.368 -25.068  9 -17.417 -29.569  10 -12.904 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.793 -22.146  16 -4.428 -17.549  17 -8.090 -16.994  18 -12.563 -16.084  9 -17.524 -14.739  20 -23.388 -12.618	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1347-75502 1293-64377 1264-47305 1293-64377 1273-93597 1273-93597 1313-05841 1377-71007 1390-31738 1429-24966 1500-99637 1620-10481	AZS/C -21.4 -36.1 -24.4 -568.7 -51.1 -25.7 -80.4 -24.4 -68.7 -24.4 -24.4 -80.4 -24.4 -80.4 -40.4 -40.4 -31.4 -80.4 -80.4	AZN 6.7 3.1 5.07 8.8 7 6.3 3.1 5.07 8.3 6.1 1.5 8.1 1.5 8.1 1.5 8.4 4.1 2.1 4.1 5.4 4.1 15.4 115.4 116.0	SEC TO 581.  AZSUN 8-80.6 -80.4 -81.6 -81.9 -82.7 -80.5 -79.3 -80.4 -81.3 -80.6 -81.2 -85.2 -88.8 -84.6	IMPACT. 047  AZA 53.9 56.9 56.9 37.9 551.9 56.9 62.3 49.5 38.1 29.9 63.7 62.3 38.1 29.9 63.7 56.9	ALT 1254-45932 43-1790 62-41070 62-26869 64-16910 66-81825 64-80300 63-42681 61-18914 59-55120 56-16090 57-46826 69-56378 61-07049 63-65846 69-73779 74-32235 70-60893	LA 8/A 0.896 0.995 0.995 0.995 0.802 0.802 0.995 0.995 0.995 0.995 0.972 0.987 0.952 0.972 0.772	T Lilly -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -95.3 -94.9 -90.3 -94.9 -90.3 -94.9 -90.3 -94.2 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -101.2 -3	ON .943 INCD 69.2 62.9 58.0 62.0 66.2 67.2 68.7 64.1 59.9 58.8 58.0 53.7 57.5 61.4 61.4 61.4 70.1 70.1 73.9 76.5	298 PHAZ 39-4 47-5 53-1 42-3 42-0 42-4 7-7 53-1 58-5 48-3 43-0 37-0 36-7 37-1 38-1 43-2	9.915 MIS48595.683 122937.685.7520 122937.615107 12233333333333333333333333333333333333	V 2.114 AL PHA 29.0 13.8 4.5 14.0 7 23.7 12.2 2.1 4.5 -5.0 13.1 22.5 33.7 32.2 33.7 33.8 32.4 33.8 32.4 20.0	PTH -71.896 1  SCALE 0. 202.26393 179.74616 121.48882 129.36314 131.99610 146.07658 130.08977 136.96678 125.30839 125.30839 119.31132 126.81633 139.23550 112.17932 138.16644 155.32571 187.01567	AZ 16.537 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 10-11 11-12 12-13 13-14 15-16 16-17 17-18 18-19 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.394 -20.216  8 -17.417 -29.569  10 -12.994 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.793 -22.146  6 -4.428 -17.549  17 -8.090 -16.994  18 -12.563 -16.084  19 -17.524 -14.739  0 -23.888 -12.014  21 -22.881 -18.885  22 -22.638 -24.266	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1370-03673 1347-75502 1293-04377 1264-47305 1256-19257 1273-93597 1313-05841 1377-71007 1390-31738 1429-24966 1500-9637 1620-10481 1519-56529	AZS/C -21.4 - 24.4 - 25	AZN 6.3 3.10 6.7 8.8 11.7 8.3 3.1 1.5 8.4 11.5 8.4 11.4 21.4 16.7	SEC TO 581.  AZSUN 779.8 -80.6 -80.4 -81.1 -81.6 -81.9 -82.7 -80.6 -78.3 -80.4 -81.7 -81.6 -81.8 -81.6 -81.6 -81.7 -81.6 -81.8 -81.6 -81.6 -81.8 -81.6 -81.8 -81.6 -81.6 -81.8 -81.6 -81.6 -81.8 -81.6 -81.8 -81.6 -81.8 -81.6 -81.8 -81.6 -81.8 -81.6 -81.8 -81.6 -81.8 -81.6 -81.8 -81.8 -81.6 -81.8	IMPACT 047 AZA5 536-9 566-3 37-5 51-9 683-7 683-7 683-9 63-7 63-7 63-8 63-9 63-9 63-9 63-9 63-9 63-9 63-9 64-3 38-4 44-8 56-4 67-8 68-4 69-8	ALT 1254.45932 63.31790 62.41070 69.55120 60.67150 62.26869 64.16910 64.80300 63.42681 61.18914 59.55120 56.16090 63.16477 74.50127 66.65846 66.65846 67.3793 74.32235 70.60893 74.32235 70.60893 68.15566	LA 0.894 0.992 0.996 0.918 0.872 0.802 0.887 0.952 0.995 0.971 0.982 0.984 0.871 0.846 0.772 0.762 0.762	T L'219 ~31 AZPHAZ ~93.5 -90.2 ~85.6 -85.2 ~85.6 -90.3 ~95.8 -95.3 ~94.9 -90.2 ~85.6 -80.9 ~80.9 -80.9 ~80.9 -80.9 ~80.9	ON .943 INCD 62.2 62.9 66.2 66.2 66.2 67.2 68.7 59.9 58.0 53.7 57.4 65.5 70.1 70.8 72.1 73.9 76.5	298* PHAZ   39-5   53-1   47-7   42-3   42-4   47-7   53-1   53-1   53-1   53-5   43-6   37-8   37-8   37-8   37-1   38-1   43-2   48-5	9.915 MI.S.4859.683 12297.18.6575.20 12297.18.75.20 122333385.46.15 1223333385.46.15 1223333385.46.15 1223333385.46.15	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7 22.7 12.2 2.1 4.0 4.5 13.8 14.0 4.5 13.7 23.9 22.7 12.2 32.2 33.7 34.4 33.8 32.4 20.8	PTH -71.896 1 SCALE 0. 202.26393 179.74816 121.48882 129.36314 140.25286 130.08977 136.96678 125.30839 153.48267 15.21989 119.31132 218.1644 155.32571 177.01567 175.28804	A2 16.537 PT-PT O- 1 1- 2 2- 3 3- 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-21
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.394 -20.216  8 -17.394 -20.216  8 -17.417 -29.569  10 -12.994 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  4 -5.103 -26.337  15 -4.793 -22.146  6 -4.428 -17.549  17 -8.090 -16.994  18 -12.563 -16.084  19 -17.524 -14.739  20 -23.368 1-2.614  21 -22.881 -18.885  22 -22.638 -24.266  3 -22.559 -29.180	RANGE 1376.09563 1313.23708 1264.47305 1282.67699 1323.12444 1356.66403 1370.03673 1347.75502 1293.64377 1264.47305 1256.19257 1273.93597 1313.05841 1377.71007 1390.31738 1429.24966 1500.99637 1620.10481 1519.56522 1631.19131	AZS/C -21.436.1 -24.4 -56.8 -7 -51.3 -25.7 -8.2 -12.4 -83.1 -80.9 -87.4 -5 -60.3 -49.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.8	AZ.N 6.3 3.0 6.8 11.7 8.3 3.6 4.1 2.8 4.1 2.8 4.1 10.4 11.4 11.4 11.4 11.4 11.4 11.4	SEC TO 581.  AZSUN 79.8 8-80.6 -80.4 8-81.9 -80.4 8-81.6 -81	IMPACT  AZA59  536-9  461-59  451-9	ALT 1254-4593 63.31790 62-41070 60-67150 60-26869 64-16910 66-8182 64-80300 63-42681 61-18914 59-55120 56-16090 57-46826 93-16477 64-50127 66-69-73793 74-32235 70-60893 68-15566 66-53010	LA2 -5.:  8/A 0.896 0.922 0.995 0.968 0.872 0.802 0.802 0.802 0.802 0.952 0.995 0.971 0.982 0.972 0.973 0.771 0.771 0.771 0.771 0.772 0.7762 0.7762	T Li 219 ~31 AZPHAZ ~93.5 ~90.2 ~85.6 ~85.2 ~84.8 ~90.3 ~95.8 ~90.9 ~90.2 ~85.6 ~82.2 ~81.6 ~80.9 ~80.0 ~79.0 ~84.2 ~90.3 ~96.4 ~102.3 ~101.2 ~100.2 ~99.4	ON .943 INCD 69.2 62.9 62.0 66.2 68.7 68.7 64.1 57.5 70.1 73.9 70.8 65.8 70.8	298 PHAZ 39-4 47-5 53-1 42-3 42-0 42-0 53-1 553-1 53-3 7-0 37-1 43-2 48-7 37-1 43-2 48-7	9 · 915 9 · 915 15 · 916 15 · 916 15 · 916 16 · 916 17 · 916 17 · 916 18 · 916	V 2.114 ALPHA 29.08 4.50 13.87 23.77 23.77 12.2 4.00 4.50 -5.00 13.15 32.27 33.8 32.27 33.8 32.27 33.8 32.20 8.83 20.08	PTH -71.896 1  SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07658 140.25286 130.08977 136.96678 125.30839 125.30839 135.48267 115.21989 119.31132 126.81633 39.23550 112.17932 138.16644 138.16644 138.16644 138.16644 138.16644 138.16644 138.16644 138.16644 138.16644 138.16644 138.16644 138.16644	AZ 16.537 PT-PT 0-1 1-22-3 3-44-5 5-6 6-7 7-8 8-9-10 10-11 11-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.398 -25.068  9 -17.417 -29.569  10 -8.774 -30.105  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.793 -22.146  16 -4.428 -17.549  17 -8.090 -16.994  18 -12.563 -16.084  19 -17.524 -14.739  20 -23.368 -12.014  21 -22.881 -18.885  22 -22.658 -24.266  23 -22.559 -29.180	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1370-03673 1347-75502 1293-64377 1256-19257 1273-93597 1273-93597 1373-93597 1390-31738 1429-24966 1500-99637 1500-99637 1500-9637 1500-9637 1601-1913 1434-01671	AZS/C -21-4 - 24-4 - 68.7 - 51-1 - 24-4 - 83.1 - 80.9 - 87.2 - 88.4 - 40.8 - 31.4 - 40.8 - 31.4 - 68.2	AZN 6.7 6.3 5.0 6.7 8.0 3.1 11.7 8.0 3.1 12.8 4.1 2.8 4.1 15.4 11.4 15.4 10.7 5.4	SEC TO 581.  AZSUN 79.8 -80.6 -80.4 -81.1 -81.9 -82.7 -80.6 -78.3 -81.6 -81.7 -81.3 -81.7 -81.3 -81.7 -81.8 -81.7 -81.8 -81.7 -81.8 -81.7 -81.8 -81.3 -78.8 -78.8	IMPACT 047  AZA59 530-9 461-3 45-59 463-7 562-3 38-4 450-3 38-4 450-3 38-4 450-3 73-1 82-2	ALT 1254.45932 63.31790 62.41070 69.55120 60.67150 62.26869 64.16910 64.80300 63.42681 61.18914 59.55120 56.16090 57.46826 59.56378 61.07049 63.16477 64.50127 66.65846 69.73793 74.32235 70.60893 70.60893 88.15566 66.53010	LA2 -5  8/A 0.896 0.992 0.996 0.918 0.872 0.802 0.887 0.995 0.987 0.982 0.952 0.964 0.797 0.807 0.807 0.807 0.807	T L'219 ~31 AZPHAZ ~93.5 ~90.2 ~85.6 ~85.2 ~84.8 ~90.3 ~95.8 ~95.3 ~94.9 ~90.2 ~81.6 ~80.0 ~79.0 ~84.2 ~90.3 ~90.2 ~90.3 ~90.2 ~90.3 ~90.2 ~90.3 ~90.4 ~102.3 ~101.2 ~99.4 ~99.4 ~99.4 ~99.4 ~99.4 ~99.4	ON .943 INCD 69.29 58.0 66.2 67.2 68.7 75.5 8.0 53.7 7.7 70.8 8.0 77.2 77.3 97.3 76.5 77.5 61.4 65.5 77.2 76.5 8.0 65.8 61.4 77.9 76.5 77.2 76.5 77.2 77.2 77.2 77.2 77.2 77.2 77.2 77	298* PHAZ   39-5 3-1 47-5 53-1 47-7 42-3 42-0 447-7 53-1 52-9 53-7 53-3 43-0 37-0 37-1 38-1 43-2 53-7 58-9	9 H32293189543345446188891334544618888888888888888888888888888888888	V 2.114 ALPHA 29.0 13.8 4.50 23.7 22.7 12.2 4.0 -5.0 4.0 13.8 -5.0 4.0 -13.7 22.5 33.7 32.2 33.7 34.8 32.4 20.8 -11.7	PTH -71.896 1  SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07558 140.25286 130.08977 136.96678 125.30839 125.30839 125.30839 125.30839 125.30839 125.30839 125.30839 125.30839 125.30839 125.30839 125.30839 125.30839 135.2550 125.30839 137.3132 138.16644 155.32571 187.01567 175.28804	AZ 16.537 PT-PT O-1 1-2 2-3 3-4-5 5-6-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.398 -25.068  9 -17.417 -29.569  10 -12.904 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.793 -22.146  16 -4.428 -17.549  17 -8.090 -16.994  18 -12.563 -16.084  9 -17.524 -14.739  20 -23.368 -12.614  11 -22.881 -18.885  22 -22.688 -24.266  23 -22.559 -29.180  25 -17.532 -33.891  26 -13.067 -33.899  26 -13.067 -33.494	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-78043 1347-75502 1293-64377 1264-47305 1257-45215 1273-93597 1273-93597 1313-05841 1377-71007 1390-31738 1429-24966 1500-99637 1620-10481 1519-56523 1643-10167 1433-01686 1348,36174 1294-99379	AZS/C -21.436.1 -24.4 -56.8 -7 -51.3 -25.7 -8.2 -12.4 -83.1 -80.9 -87.4 -5 -60.3 -49.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.3 -40.1 -40.8 -60.2 -40.1 -40.8 -40.1	AZ.N 6.3 3.0 6.8 11.7 8.3 3.6 4.1 2.8 4.1 2.8 4.1 10.4 11.4 11.4 11.4 11.4 11.4 11.4	SEC TO 581.  AZSUN 79.8 8-80.6 -80.4 8-81.9 -80.4 8-81.6 -81	IMPACT  AZA59  536-9  461-59  451-9	ALT 1254-4593 63.31790 62-41070 60-67150 60-26869 64-16910 66-8182 64-80300 63-42681 61-18914 59-55120 56-16090 57-46826 93-16477 64-50127 66-69-73793 74-32235 70-60893 68-15566 66-53010	LA 6.896 0.896 0.995 0.995 0.872 0.802 0.896 0.887 0.995 0.997 0.987 0.987 0.762 0.762 0.762 0.807 0.807 0.807 0.807 0.807 0.807 0.807 0.807 0.807 0.807 0.807 0.808	T Li 219 ~31 AZPHAZ ~93.5 ~90.2 ~85.6 ~85.2 ~84.8 ~90.3 ~95.8 ~90.9 ~90.2 ~85.6 ~82.2 ~81.6 ~80.9 ~80.0 ~79.0 ~84.2 ~90.3 ~96.4 ~102.3 ~101.2 ~100.2 ~99.4	ON .943 INCD 69.29 58.00 66.2 67.2 66.1 59.9 58.0 75.5 61.4 65.7 70.1 73.9 77.5 70.8 66.4 57.2 661.4	298' PHAZ   39-4 47-5 47-5 47-5 42-0 42-4 47-7 53-1 58-3 43-0 37-8 37-1 43-2 43-2 453-7 58-4	9.915 EMIS 32.4 9.5 115.9 24.6 1337.3 31.6 229.8 131.6 2337.3 21.6 24.1 232.7 232.7 441.6 24.1 24.1 24.1 24.1 24.1 24.1 24.1 24.1	V 2.114 AL PHA 29.0 13.8 14.0 23.7 22.7 12.7 12.7 14.5 -5.0 13.1 22.5 33.7 4.5 33.8 4.5 33.8 20.0 8.1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PTH -71.896 1  SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07658 140.25286 130.08977 136.96678 125.30839 125.30839 133.48267 115.21989 139.23550 112.17932 126.81633 139.23550 112.17932 138.16644 155.32571 187.01567 175.28804 150.47309 131.139114	AZ 16.537 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 11-17 11-12 12-13 13-14 14-15 15-16 16-17 19-20 20-21 21-22 22-23 23-24 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.394 -20.216  8 -17.368 -25.068  9 -17.417 -29.569  10 -12.904 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.793 -22.146  6 -4.428 -17.549  17 -8.090 -16.994  19 -17.524 -14.739  20 -23.368 -12.614  21 -22.881 -18.885  22 -22.638 -24.266  23 -22.559 -29.180  24 -22.611 -33.899  26 -13.067 -33.994  27 -8.978 -34.018	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-7800-31747-75502 1293-64377 1264-47305 1256-19257 1273-93597 1313-05841 1377-71007 1390-31738 1429-24966 1500-99637 1620-10481 1519-56525 1461-19131 1433-01686	AZS/C -21.4 - 24.4 - 56.4 - 751.3 - 25.7 - 24.4 - 83.1 - 80.9 - 87.2 - 88.8 - 74.5 - 60.3 - 49.1 - 40.8 - 31.4 - 19.8 - 28.2 8.2 10.9	AZN 6.7 6.3 5.0 6.7 8.0 3.6 11.7 8.0 3.6 11.5 2.8 4.1 15.2 8.4 11.4 15.4 0.0 0.5	SEC TO 581.  AZSUN 79.8 80.6 -80.4 -81.1 -81.6 -81.9 -81.6 -81.3 -81.6 -81.3 -81.6 -81.3 -81.6 -81.3 -82.0 -81.3 -82.0 -81.3 -75.5 -76.5	IMPACT  AZA5 533-9 461.5 537-5 556-3 451.9 558-9 683-7 562.3 311.0 444.8 557.2 311.0 444.8 557.2 311.0 44.8	63.31790 62.41070 62.41070 62.26869 64.16910 66.81825 64.80300 63.42681 61.18914 59.55120 65.16090 57.46826 64.50127 66.65378 61.07049 63.16477 64.50127 66.6593 68.353010 68.353010 65.53817 65.53817 65.53817 65.55916 66.40411 66.40411	LA' -5-: A	T L219 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -94.9 -90.2 -85.6 -80.9 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -96.4 -102.3 -99.4 -90.2 -90.3 -96.5 -90.2 -90.3 -96.5 -90.2 -90.3 -90.2 -90.3 -90.5 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.	ON .943 INCD 69.29 58.00 66.2 67.2 66.7 64.1 59.9 58.8 61.4 61.4 70.8 61.4 61.4 70.8 61.4 70.8 61.4 70.8	2988 PHAZ 47-5 47-7 42-3 447-7 53-1 52-9 53-5 58-7 48-3 37-0 43-2 43-2 43-2 53-7 58-7 58-9 58-8	9.915 EMIS 32.4 22.8 32.4 22.8 15.9 15.9 237.3 337.3 28.5 10.7 24.6 24.6 24.6 25.6 26.6 27.7 27.7 27.7 28.8 28.8 28.8 28.8 28.8	V 2.114 AL PHA 29.0 13.8 4.5 14.0 23.7 22.7 12.2 2.1 4.0 13.1 22.5 32.2 33.7 33.8 20.0 8.87 11.7 -7.7 -7.5 -5.4 -7.7	PTH -71.896 1  SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07558 140.25286 130.08977 136.96678 125.30839 125.30839 125.30839 139.3132 138.16644 136.36541 155.36541 155.36541 156.47309 137.42894 153.85959	AZ 16.537 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 11-12 12-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.407 -18.947  2 -12.765 -25.634  3 -8.774 -30.105  4 -8.561 -26.054  5 -8.336 -21.742  6 -12.649 -21.109  7 -17.398 -25.068  9 -17.417 -29.569  10 -12.904 -29.865  11 -8.774 -30.105  12 -5.613 -34.098  13 -5.373 -30.284  14 -5.103 -26.337  15 -4.793 -22.146  16 -4.428 -17.549  17 -8.090 -16.994  18 -12.563 -16.084  9 -17.524 -14.739  20 -23.368 -12.614  11 -22.881 -18.885  22 -22.688 -24.266  23 -22.559 -29.180  25 -17.532 -33.891  26 -13.067 -33.899  26 -13.067 -33.494	RANGE 1376-09563 1313-23708 1264-47305 1282-67699 1323-12444 1356-66403 1418-7800-31747-75502 1293-64377 1264-47305 1256-19257 1273-93597 1313-05841 1377-71007 1390-31738 1429-24966 1500-99637 1620-10481 1519-56525 1461-19131 1433-01686	AZS/C -21-4 - 36-1 - 24-4 - 68-7 - 51-1 - 24-4 - 68-7 - 25-7 - 8-2 - 12-4 - 24-4 - 88-8 - 74-5 - 60-3 - 49-1 - 40-8 - 31-9-8 - 6-2 - 210-9 - 16-2 - 10-9	AZN 6.7 6.3 5.0 6.7 8.8 11.7 8.8 3.1 1.5 6.2 8.4 4.1 15.4 10.7 0.0 0.5	SEC TO 581.  AZSUN 79.8 -80.6 -80.4 -81.1 -81.6 -77.8 -81.3 -81.6 -81.7 -81.3 -81.6 -81.7 -81.6 -81.7 -81.6 -81.7 -81.6 -81.7 -81.6 -81.7 -81.6 -81.7 -81.6 -81.7 -81.6 -81.7 -81.6 -81.7 -81.7 -81.6 -81.7 -81.7 -81.6 -81.7 -81.7 -81.6 -81.7 -81.7 -81.6 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -77.8	IMPACT  AZA5 536-9 461.3 536-9 451.9 59.9 663.7 562.3 31.0 49.5 323.0 49.5 31.0 44.8 507.8 82.0 67.7 75.0 7	ALT 1254.45932 63.31790 62.41070 69.55120 60.67150 62.26869 64.16910 66.81825 64.80300 63.42681 61.18914 59.55120 56.16090 57.46826 59.56378 81.077049 63.16477 74.32235 70.60893 68.15566 66.53817 62.55916 66.553817 62.55916 60.40411	LA' -5-: A	T L219 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -94.9 -90.2 -85.6 -80.9 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -96.4 -102.3 -99.4 -90.2 -90.3 -96.5 -90.2 -90.3 -96.5 -90.2 -90.3 -90.2 -90.3 -90.5 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.	ON .943 INCD 69.29 58.00 66.2 67.2 66.7 64.1 59.9 58.8 61.4 61.4 70.8 61.4 61.4 70.8 61.4 70.8 61.4 70.8	2988 PHAZ 47-5 47-7 42-3 447-7 53-1 52-9 53-5 58-7 48-3 37-0 43-2 43-2 43-2 53-7 58-7 58-9 58-8	9.915 EMIS 32.4 22.8 32.4 22.8 15.9 15.9 237.3 337.3 28.5 10.7 24.6 24.6 24.6 25.6 26.6 27.7 27.7 27.7 28.8 28.8 28.8 28.8 28.8	V 2.114 ALPHA 29.0 13.8 4.5 14.0 23.7 22.7 12.2 2.1 4.0 4.5 -5.0 13.1 12.2 2.5 32.2 2.1 33.7 34.4 33.8 20.0 8.8 8.1 -1.7 -7.7 -5.5 -4.7	PTH -71.896 1  SCALE 0. 202.26393 179.74816 121.48882 129.36314 131.99610 146.07658 140.25286 130.08977 136.96678 125.30839 125.30839 133.48267 115.21989 139.23550 112.17932 126.81633 139.23550 112.17932 138.16644 155.32571 187.01567 175.28804 150.47309 131.139114	AZ 16.537 PT-PT 0-11 1-22-3 3-44-55 5-66-77 7-88 6-77-8 10-11 11-12 12-13 13-14 14-15 15-16 16-17 11-12 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 12-13 13-14 14-15 15-16 16-17 17-18 18-19 12-12 22-22 23-22 23-24 24-22 26-27 26-27

	RA-VII CAMERA	A FA			44
JULY 31,1964 13 HR 16 MIN 12 SEC 872 MS	TAB NO	87 ATL	LAS PHOTO NO	87 POD SE	EQUENCE NO 180
TRAJECTORY DATA	SEC TO IMPACT			R V	PTH AZ
PHOTO DATA	575.927	1244.16745 -5.	.247 -31.885	2979.623 2.116	
PT LAT LON RANGE AZS/C AZN		A* B/A		PHAZ EMIS ALPHA 39.4 32.3 29.0	SCALE PT-PT O. O-1
1 -11.398 -18.966 1364.92772 -21.6 6.7 2 -12.753 -25.579 1302.82054 -36.3 6.3		62.81329 0.896		39.4 32.3 29.0 47.5 22.8 13.9	200.11754 1- 2
3 -8.794 -30.017 1254.26004 -24.8 3.1	-80.4 56.6	59.07024 0.995		53.1 9.5 4.6	178.35899 2- 3 120.53893 3- 4
4 -8.583 -25.997 1272.47824 -56.5 5.0 5 -8.360 -21.718 1312.70731 -68.6 6.7		60.18902 0.966			128.37097 4- 5
6 -12.639 -21.089 1346.00862 -51.2 8.8	-81.9 45.5	63.66512 0.872	2 -90.3 67.2	42.0 29.8 23.9	130.96411 5- 6
7 -17.346 -20.204 1407.55698 -39.4 11.7 8 -17.319 -25.018 1359.10292 -25.8 8.0		66.28971 0.802 64.28575 0.856	2 -95.8 68.7		144.89121 6- 7 134.1/185 7- 8
8 -17.319 -25.018 1359.10292 -25.8 8.0 9 -17.367 -29.482 1336.81924 -8.4 4.3		62.91203 0.887		53.1 28.5 2.2	129.07359 8- 9
iu -12.891 -29.777 1283.21422 -12.7 3.6		60.69583 0.952			135.83128 9-10 124.30112 10-11
11 -8.794 -30.017 1254.26004 -24.8 3.1 12 -5.659 -33.977 1247.01804 82.3 1.5		59.07024 0.995 55.68515 U.971			152.23825 11-12
13 -5.461 -30.195 1245.97774 -80.3 2.6	-81.5 49.4	57.00761 0.982	2 -81.6 57.6	53.5 4.0 4.0	114.27096 12-13
14 -5.153 -26.279 1263.73167 -87.0 4-1 15 -4.845 -22.120 1302.63885 -88.2 5.2		59.08644 0.989 60.58547 0.941			118.37099 13-14 125.83468 14-15
15 -4.845 -22.120 1302.63885 -88.2 5.2 16 -4.482 -17.559 1366.79874 -88.7 6.2		62.66398 0.871		37.8 32.6 32.2	138.14079 15-16
17 -8.115 -17.006 1379.39482 -74.5 8.4		63-99434 0.846			111.30410 16-17 137.08543 17-18
18 -12.553 -16.103 1418.03679 -60.3 11.4 19 -17.474 -14.773 1489.09309 -49.2 15.3		66.13560 0.797 69.18512 0.727	7 -90.3 72.1 2 -96.4 73.8		154.04226 18-19
20 -23.265 -12.677 1606.81206 -40.8 21.3	-88.8 50.3	73.71273 0.610	0 -102.3 76.5	38.1 53.9 32.3	185.23230 19-20
21 -22.784 -18.888 1507.25809 -31.5 16.0 22 -22.542 -24.223 1449.29593 -19.9 10.7		70.03693 0.70			173.76260 20-21 149.27467 21-22
22 -22.542 -24.223 1449.29593 -19.9 10.1 23 -22.462 -29.094 1422.15352 -6.3 5.4		65.97929 0.796	6 -99.4 61.5	53.7 38.9 -1.5	136.33838 22-23
24 -22.511 -33.741 1420.86148 8.0 0.1		64.98182 0.80			130.04264 23-24 152.43229 24-25
25 -17.478 -33.767 1337.16208 10.6 0.6 26 -13.052 -33.822 1284.32025 15.9 0.9		62.03939 0.898 59.90631 0.96		58.2 18.9 -5.3	134.09278 25-26
27 -8.997 -33.898 1255.53481 30.4 1.2	-79.5 67.3	57.96327 0.994	4 -85.9 54.3		122.83301 26-27 101.13432 27-28
28 -5.659 -33.977 1247.01804 82.3 1.5	-B1.2 61.9	55.68515 0.97	1 -82.2 53.8		
20 3.033 332311 1211101001 0200	01112 0117	33.00313 0471	1 -02.2 73.0	30.1 341 -4.7	101117432 27 20
	TAB NO		LAS PHOTO NO		EQUENCE NO 182
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS			=		EQUENCE NO 182
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS		88 AT	=	88 POD S	
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS TRAJECTORY DATA PHOTO DATA	TAB NO	88 ATI ALT L 1233.86530 -5	LAS PHOTO NO AT LUN .277 -31.826	88 POD S	EQUENCE NO 182
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA PT LAY LON RANGE AZS/C AZI 1 -11.369 -18.985 1353.74687 -21.8 6.	TAB NO SEC TO IMPACT 570.807 AZSUN AZA 7 -79.9 61.2	ALT L. 1233.86530 -5.  A	LAS PHOTO NO  AT LUN .277 -31.826  AZPHAZ INCD 6 -93.5 69.2	88 POD Si  R 2969.321 2.119  PHAZ EMIS ALPHA 39.5 32.3 28.9	PTH AZ -71.811 116.522  SCALE PT-PT 0. 0-1
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA PT LAT LON RANGE AZS/C AZI 1 -11.389 -18.985 1353.74687 -21.8 6.2 -12.741 -25.525 1292.37712 -36.4 6.3	TAB NO  SEC TO IMPACT 570-807  AZSUN AZA 7-79-9 61-2 8-80-6 53-6	ALT L. 1233.86530 -5  A* 8/8662.30729 0.89661.41934 0.925	LAS PHOTO NO  AT LUN .277 -31.826  AZPHAZ INCD 6-93.5 69.2 2 -90.2 63.0	88 POD S R V 2969.321 2.119 PHAZ EMIS ALPHA 39.5 32.3 28.9 47.5 22.8 13.9	PTH AZ -71.811 116.522 SCALE PT-PT 0-1 197.99048 1-2
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOLU DATA  PT LAT LON RANGE AZS/C AZ/1 -11.369 -18.985 1353.74687 -21.8 6.2 -12.741 -25.525 1292.37712 -36.4 6.3 3 -8.814 -29.929 1244.03180 -25.2 3.	TAB NO  SEC TO IMPACT 570.807  AZSUN AZA 7 -79.9 61.2 9 -80.6 53.6 2 -80.4 56.4	ALT L. 1233.86530 -5.  A	AT LUN .277 -31.826 AZPHAZ INCD 6 -93.5 69.2 2 -90.2 63.0 5 -85.6 58.2 6 -85.2 62.1	R V 2969.321 2.119 PHAZ EMIS ALPHA 39.5 32.3 28.9 47.5 22.8 13.9 53.1 9.6 4.7 47.7 16.0 14.1	PTH AZ -71.811 116.522 SCALE PT-PT 0. 0-1 197.99048 1-2 176.96414 2-3 119.58677 3-4
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA  PT LAT LON RANGE AZS/C AZ/ 1 -11.369 -18.985 1353.74687 -21.8 6. 2 -12.741 -25.525 1292.37712 -36.4 6. 3 -8.814 -29.929 1244.03180 -25.2 3. 4 -8.605 -25.941 1262.25888 -56.5 5. 5 -8.383 -21.699 1302.26605 -68.6 6.	TAB NO  SEC TO IMPACT 570.807  A AZSUN AZA 7 -79.9 61.2 9 -80.6 53.6 2 -80.4 56.4 0 -81.1 46.2 7 -81.6 37.9	ALT L. 1233.86530 -5  A* B/A 62.30729 0.89 61.41934 0.92 58.58856 0.99 59.70557 0.96 61.28667 0.91	AT LUN .277 -31.826  AZPHAZ INCD 6 -93.5 69.2 2 -90.2 63.0 5 -85.6 58.2 6 -85.2 62.1 7 -84.8 66.2	R V 2969.321 2.119 PHAZ EMIS ALPHA 39.5 32.3 28.9 4.7.5 22.8 13.9 53.1 9.6 4.7 47.7 16.0 14.1 42.3 24.6 23.8	PTH AZ -71.811 116.522  SCALE PT-PT 0. 0 1 197.99048 1-2 176.96414 2-3 119.58677 3-4 127.37506 4-5
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA  PT LAT LON RANGE AZS/C AZ/ 1 -11.389 -18.985 1353.74687 -21.8 6. 2 -12.741 -25.525 1292.37712 -36.4 6. 3 -8.814 -29.929 1244.03180 -25.2 3. 4 -8.605 -25.941 1262.25888 -56.5 5. 5 -8.383 -21.699 1302.26605 -68.6 6. 6 -12.628 -21.071 1335.31990 -51.2 8.	TAB NO  SEC TO IMPACT 570.807  7 AZSUN AZA 7 -79.9 61.2 3 -80.4 56.4 2 -80.4 56.4 5 -81.1 46.2 7 -81.6 37.9 8 -81.9 45.4	ALT L/ 1233.86530 -5 A* 8/A 62.30729 0.89 61.41934 0.92 58.58856 0.99 59.70557 0.96 61.28667 0.91 63.15957 0.87	LAS PHOTO NO  AT LON .277 -31.826  AZPHAZ INCD 6 -93.5 69.2 2 -90.2 63.0 5 -85.6 58.2 6 -85.2 62.1 7 -84.8 66.2 2 -90.3 67.3	R V 2969.321 2.119 PHAZ EMIS ALPHA 39.5 32.3 28.9 47.5 22.8 13.9 53.1 9.6 4.7 47.7 16.0 14.1	PTH AZ -71.811 116.522  SCALE PT-PT 0. 0-1 197.99048 1-2 176.96614 2-3 119.58677 3-4 127.37506 4-5 129.92762 5-6 143.69898 6-7
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA PT LAT LON RANGE AZS/C AZ/ 1 -11.389 -18.985 1353.74687 -21.8 6. 2 -12.741 -25.525 1292.37712 -36.4 6. 3 -8.814 -29.929 1244.03180 -25.2 3. 4 -8.605 -25.941 1262.25888 -56.5 5. 5 -8.383 -21.695 1302.26605 -68.6 6. 6 -12.628 -21.071 1335.31990 -51.2 8.4 7 -17.296 -24.968 1348.13533 -26.0 8.4 8 -17.269 -24.968 1348.13533 -26.0 8.4	TAB NO  SEC TO IMPACT 570.807  1 .79.9 61.2 3 .80.4 56.4 2 .80.4 56.4 2 .81.1 46.2 7 .81.6 37.9 8 .81.9 45.4 7 .82.8 51.7 7 .80.7 59.6	ALT L/ 1233.86530 -5 A* 8/A 62.30729 0.89 61.41934 0.92 58.58856 0.99 59.70557 0.96 61.28667 0.91 63.15957 0.87 65.75621 0.80 63.76691 0.85	AZPHAZ LNC AZPHAZ LNC 6 -93.5 69.2 2 -90.2 63.0 6 -85.6 59.2 6 -85.6 66.2 7 -84.8 66.2 2 -90.3 67.3 3 -99.8 68.7 6 -95.3 64.2	R V 2969,321 2.119 PHAZ EMIS ALPHA 39.5 32.3 28.9 47.5 22.8 13.9 53.1 9.6 4.7 47.7 16.0 14.1 42.3 24.6 23.8 42.0 29.8 23.8 42.4 37.3 22.7 47.7 31.5 12.3	PTH AZ -71.811 116.522  SCALE PT-PT 0. 0-1 197.99048 1-2 176.96644 2-3 119.58677 3-4 127.37506 4-5 129.92762 5-6 143.69898 6-7 138.08489 7-8
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA  PT LAT LON RANGE AZS/C AZ! 1 -11.389 -18.985 1353.74687 -21.8 6.2 2 -12.741 -25.525 1292.37712 -36.4 6.3 3 -8.814 -29.929 1244.03180 -25.2 3.4 4 -8.605 -25.941 1262.25888 -56.5 5.5 5 -8.383 -21.695 1302.26405 -68.6 6.6 6 -12.628 -21.071 1335.31990 -51.2 8.1 7 -17.296 -20.194 1396.29192 -39.4 11.8 8 -17.269 -24.968 1348.13533 -26.0 8.1 9 -17.315 -29.396 1325.85680 -8.6 6.8.6	TAB NO  SEC TO IMPACT 570.807  4 AZSUN AZA 7-99.9 61.2 5 -80.4 56.4 6 -81.1 46.2 7 -81.6 37.9 8 -81.9 45.4 7 -82.8 51.7 0 -80.7 59.6 6 -78.7 68.4	ALT 1233.86530 -5 A= 8/A 62.30729 U.89; 61.41934 U.92; 58.58856 0.99 59.7057 0.96 61.28667 U.91 63.15957 U.87; 63.75921 U.80 63.76691 U.85 62.39600 0.88	AT LUN .277 -31.826  AZPHAZ INCD 6 -93.5 69.2 62.1 7 -84.8 66.2 2 -90.3 67.3 3 -95.8 68.7 6 -95.3 64.2 7 -94.9 60.0	R V 2969.321 2.119  PHAZ EMIS ALPHA 39.5 32.3 28.9 47.5 22.8 13.9 53.1 9.6 4.7 47.7 16.0 14.1 42.3 24.6 23.8 42.0 29.8 23.9 42.4 37.3 22.7 47.7 31.5 12.3 53.1 28.4 2.3	PTH AZ -71.811 116.522  SCALE PT-PT 0. 0. 197.99048 1-2 176.96414 2-3 119.58677 3-4 127.37506 4-5 129.92762 5-6 143.69898 6-7 138.08489 7-8 138.08489 7-8 138.08489 8-7
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA PT LAY LON RANGE AZS/C AZI 1 -11.389 -18.985 1353.74687 -21.8 6. 2 -12.741 -25.525 1292.37712 -36.4 6. 3 -6.814 -29.992 1244.03180 -25.2 3. 4 -8.605 -25.941 1262.25888 -56.5 5.6 5 -8.383 -21.695 1302.26405 -68.6 6.6 6 -12.628 -21.071 1335.31990 -51.2 8.1 7 -17.296 -24.968 1348.1353 -36.0 8.1 9 -17.315 -29.396 1325.85680 -8.6 4.1 0 -12.877 -29.690 1272.76382 -12.9 3.	TAB NO  SEC TO IMPACT 570.807  A AZSUN AZA 7 -79.9 61.2 3 -80.6 53.6 2 -80.4 56.4 0 -81.1 46.2 7 -81.6 37.9 3 -81.9 45.4 7 -82.8 51.7 7 -82.8 51.7 7 -80.7 59.6 4 -78.7 68.4 7 -79.3 63.2	ALT 1233.86530 -5  A* B/A 62.30779 0.89, 61.41934 0.92, 58.58656 0.99 59.70557 0.96, 61.28667 0.91 63.1597 0.87, 65.75921 0.80 63.76691 0.85 62.39600 0.88 60.20155 0.95 58.58858 0.99	AT LON .277 -31.826  AZPHAZ INCD 6 -93.5 69.2 2 -90.2 63.0 5 -85.6 58.2 2 -90.3 67.3 3 -95.8 68.7 64.2 67.9 60.0 2 -90.3 64.2 67.9 60.0 2 -90.2 59.0 60.0 5 -85.6 58.2	88 POD SI  R V 2969.321 2.119  PHAZ EMIS ALPHA 39.5 32.3 28.9 47.5 22.8 13.9 53.1 9.6 4.7 47.7 16.0 14.1 42.3 24.6 23.8 42.0 29.8 23.9 42.4 37.3 22.7 47.7 31.5 12.3 53.1 28.4 2.3 52.9 18.7 4.2 53.1 9.6 4.7	PTH AZ -71.811 116.522  SCALE PT-PT 0. 0-1 197.99048 1-2 176.96414 2-3 119.58617 3-4 127.37506 4-5 129.92762 5-6 143.69898 6-7 138.08489 7-8 128.05364 8-9 134.69150 9-10 123.29100 10-11
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA PT LAY LON RANGE AZS/C AZI 1 -11.389 -18.985 1353.74687 -21.8 6. 2 -12.741 -25.525 1292.37712 -36.4 6. 3 -8.814 -29.929 1244.03180 -25.2 3. 4 -8.605 -25.941 1262.25888 -56.5 5. 5 -8.383 -21.695 1302.26605 -68.6 6. 6 -12.628 -21.071 1335.31990 -51.2 8. 7 -17.296 -24.968 1348.1393 -25.0 8. 9 -17.315 -29.396 1348.1393 -26.0 8. 0 -12.877 -29.690 1272.76382 -12.9 3. 11 -8.814 -29.929 1244.03180 -25.2 3. 12 -5.705 -33.858 1236.57944 81.6 1.	TAB NO  SEC TO IMPACT 570.807  A ZSUN AZA 7-79.9 61.2 5-80.6 53.6 2-80.4 56.4 7-81.1 46.2 7-81.6 37.9 8-81.9 45.4 7-82.8 51.7 7-82.8 57.6 7-79.3 63.2 2-80.4 56.4 7-81.6 61.5	ALT L. 1233.86530 -5 A* 8/A 62.30729 0.89; 61.41934 0.92; 58.58656 0.99 59.70557 0.87; 65.75921 0.80; 63.76691 0.85; 62.39600 0.88; 60.20155 0.95; 58.58856 0.99; 55.28956 0.99;	AT LUN277 -31.826  AZPHAZ INCD 6 -93.5 69.2 2 -90.2 63.0 5 -85.6 58.2 6 -95.2 62.1 7 -84.8 66.2 2 -90.3 67.3 3 -95.8 68.7 6 -95.3 64.2 7 -94.9 60.0 2 -90.2 59.0 5 -85.6 58.2	R V 2969.321 2-119 PHAZ EMIS ALPHA 39.5 32.3 28.9 47.5 22.8 13.9 53.1 9.6 4.7 47.7 16.0 14.1 42.3 24.6 23.8 42.0 29.8 23.9 42.4 37.3 22.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 9.6 4.7 53.1 9.6 4.7 58.7 5.0 -4.8	PTH AZ -71.811 116-522  SCALE PT-PT 0. 0-1 197.99048 1-2 176.96614 2-3 119.58677 3-4 127.37596 4-5 129.92762 5-6 143.69898 6-7 138.08899 7-8 128.05364 8-9 128.05364 8-9 128.29100 10-11
JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA PT LAT LON RANGE AZS/C AZ/1 1 -11.389 -18.985 1353.74687 -21.8 6.7 2 -12.741 -25.525 1292.37712 -36.4 6.2 3 -8.814 -29.929 1244.03180 -25.2 3.4 4 -8.605 -25.941 1262.25888 -56.5 5.5 5 -8.383 -21.699 1302.26605 -68.6 6.6 6 -12.628 -21.071 1335.31990 -51.2 8.4 7 -17.296 -20.194 1396.29192 -39.4 11. 8 -17.269 -24.968 1348.13533 -26.0 8.6 9 -17.315 -29.396 1325.85680 -8.6 4.0 -12.877 -29.690 1272.76382 -12.9 3.1 1 -8.814 -29.929 1244.03180 -25.2 3.1 2 -5.705 -33.858 1236.57944 81.6 1. 13 -5.468 -30.106 1235.75272 -79.8 2.	TAB NO  SEC TO IMPACT 570.807  A AZSUN AZA 7-79.9 61.2 9-80.6 53.6 9-81.1 46.2 7-81.6 37.9 3-81.9 45.4 7-82.8 51.7 9-80.7 59.6 4-78.7 68.4 2-80.4 56.4 5-81.2 61.5 5-81.2 61.5	ALT L/1233.86530 -5 A* B/A 62.30729 0.89 61.41934 0.92 58.58856 0.99 59.7057 0.96 61.28667 0.91 63.15957 0.87 65.75921 0.80 63.7691 0.85 62.39600 0.88 60.20155 0.95 58.58856 0.99 55.20973 0.97 55.54646 0.98	LAS PHOTO NO  AT LON .277 -31.826  AZPHAZ INCD 6 -93.5 69.2 2 -90.2 63.0 5 -85.6 58.2 6 -85.2 62.1 7 -84.8 66.2 2 -90.3 67.3 3 -99.8 88.7 6 -95.3 64.2 7 -94.9 60.0 5 -85.6 58.2 1 -82.2 54.0 3 -81.6 55.7	88 POD SI  R V 2969-321 2-119  PHAZ EMIS ALPHA 39-5 32: 3 28-9 47-5 22: 8 13-9 53-1 9-6 4-7 47-7 16: 0 14-1 42-3 24-6 23-8 42-0 29-8 23-9 42-4 37-3 22-7 47-7 31-5 12-3 53-1 28-4 2-3 53-1 28-4 2-3 53-1 28-7 58-7 5-0 -4-8 53-5 5-0 -4-8	PTH AZ -71.811 116.522  SCALE PT-PT 0. 0-1 197.99048 1-2 176.96414 2-3 119.58617 3-4 127.37506 4-5 129.92762 5-6 143.69898 6-7 138.08489 7-8 128.05364 8-9 134.69150 9-10 123.29100 10-11
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JULY 31,1964 13 HR 16 MIN 17 SEC 992 MS  TRAJECTORY DATA  PHOTU DATA PT LAY LON RANGE AZS/C AZI 1 -11.389 -18.985 1353.74687 -21.8 6. 2 -12.741 -25.525 1292.37712 -36.4 6. 3 -8.814 -29.929 1244.03180 -25.2 3. 4 -8.605 -25.941 1262.25888 -56.5 5. 5 -8.383 -21.695 1302.26405 -68.6 6. 6 -12.628 -21.071 1335.31990 -51.2 8. 7 -17.296 -24.968 1348.13533 -26.0 8. 9 -17.315 -29.396 1348.13533 -26.0 8. 10 -12.877 -29.690 1272.76382 -12.9 3. 11 -8.814 -29.929 1244.03180 -25.2 3. 12 -5.705 -33.858 1236.57944 81.6 1. 13 -5.468 -30.106 1235.75272 -79.8 2. 14 -5.202 -26.22 1253.51212 -68.8 4. 15 -4.896 -22.095 1292.19916 -88.1 5. 16 -4.536 -17.570 1355.86208 -88.7 6. 17 -8.140 -17.020 1368.44009 -74.55 8. 18 -12.543 -16.124 1406.78310 -60.3 11. 9 -17.423 -14.808 1477.13895 -99.2 15. 20 -23.161 -12.741 1593.45573 -40.9 21. 21 -22.686 -18.893 1494.89975 -31.6 15. 23 -22.2465 -24.181 1437.35901 -20.0 10. 23 -22.364 -29.010 1410.25778 -6.5 5.	TAB NO  SEC TO IMPACT 570.807  1 ASSUN AZA 7-79.9 61.2 8 -80.6 53.6 9 -80.6 53.6 1 -81.1 46.2 7 -81.6 37.9 8 -81.7 59.6 1 -79.3 63.2 2 -80.4 56.4 7-79.3 63.2 2 -80.4 56.4 1 -81.5 49.3 1 -81.6 30.1 2 -81.6 30.1 2 -81.6 30.1 2 -81.6 30.1 2 -81.6 30.1 2 -81.6 30.1 2 -81.6 30.1 3 -81.6 23.8 4 -81.9 31.4 3 -85.2 44.7 1 -88.8 50.2 9 -84.6 57.0 7 -81.4 64.5 5 -75.8 81.6 6 -76.6 78.3 3 -77.9 74.3 3 -77.9 74.3	ALT L. 1233.86530 -5  A* B/A 62.30729 U.89, 61.41934 U.92, 58.58856 0.99 59.70557 0.87 65.75921 U.80 63.76691 0.85 62.39600 0.88 60.20155 0.95 58.58856 0.99 55.2073 U.97 56.54646 0.98 58.60838 U.98 60.09954 0.94 62.16208 0.87 63.48596 0.84 65.61085 U.72 73.10023 0.61 66.62955 U.72 73.10023 0.61 66.46256 U.70 67.04341 0.76 65.42701 U.79 64.42447 0.81 61.51876 U.80	LAS PHOTO NO  AT LON .277 -31.826  AZPHAZ INCD 6 -93.5 69.2 2 -90.2 63.0 5 -85.6 58.2 6 -95.2 62.1 7 -94.9 66.2 2 -90.3 67.3 6-95.3 64.2 2 -90.2 59.0 1 -82.2 54.0 13 -81.6 57.7 1 -82.2 70.8 18 -90.2 59.0 11 -80.0 65.6 11 -79.0 70.1 17 -84.2 70.8 18 -90.3 72.1 18 -90.3 72.1 19 -80.9 61.5 11 -79.0 70.1 17 -84.2 70.8 18 -90.3 72.1 19 -80.9 61.5 10 -99.7 70.7 17 -84.2 70.8 18 -90.3 72.1 19 -90.5 55.1 10 -90.7 57.4 10 -90.7 57.4 10 -90.7 57.4 10 -90.7 57.4 10 -90.7 57.4 10 -90.7 57.4	R V 2969.321 2-119  PHAZ EMIS ALPHA 39.5 32.3 28.9 47.5 22.8 13.9 53.1 9.6 4.7 47.7 16.0 14.1 42.3 24.6 23.8 42.0 29.8 23.9 42.4 37.3 22.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 28.4 2.3 53.1 9.6 4.7 4.1 4.1 48.2 13.3 13.3 43.0 22.8 22.6 37.0 34.1 33.7 34.0 22.8 22.6 37.8 32.6 32.2 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3 4.3	PTH AZ -71.811 116-522  SCALE PT-PT 0. 0-197.99048 1-2 176.96414 2-3 119.58677 3-4 127.37506 4-5 129.92162 5-6 143.69898 6-7 138.08489 7-8 128.05364 8-9 128.05364 8-9 128.05364 8-9 128.29100 10-11 150.99261 11-12 113.32180 12-13 117.42891 13-14 124.85005 14-15 137.04181 15-16 110.42589 16-17 135.99875 17-18 152.75030 18-19 183.43814 19-20 178.22647 20-21 148.06857 17-22 1148.06857 12-22 1148.06857 21-22 1148.06857 21-22 1148.06857 21-22 1148.06857 21-22 1148.06857 21-22 1148.06857 21-22 1148.06857 21-22 1135.24296 22-23 128.99420 22-24

					RA-VI	CAMER.	A FA								45
JULY 31,1	964 13 H	R 16 MIN 23	SEC 112	e MS		TAB NO	89	ATL	AS PHOTO	NO	89		POD	SEQUENCE N	0 184
TRAJECTO	RY DATA				SEC TO		ALT	LA		ON		R	v	PTH	AZ
PHUTO DA					263.	.687	1223.5524	3 -5.	306 -31	. 767	29	59.00	3 2.12	2 -71.768 1	16.514
PT LAT	LON	RANGE 1342.55266	AZ\$/C -22.0	AZN		AZA	A+	B/A		INCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
2 -12.729		1281.91679	-36.5	6.7	-80.0 -80.7	61.0 53.5	61.80048			69.1	39.5 47.5	32.2	28.9 14.0		0- 1 1- 2
		1233.79196	-25.6	3.2	-80.4	56.2	58.10633	0.995	-85.6		53.1		4.8	175.56612	2- 3
4 -8.626 5 -8.405		1252.02458	-56.6 -68.6	5.0 6.8	-81.1		59.22142			62.1	47.7	16.0	14.2	118.63308	3- 4
3 01.00		1324.61104	-51.3	8.8	-81.6 -81.9	37.9 45.4	60.79422 62.65307				42.3		23.8		
7 -17.246	-20.183	1385.00522	-39.5	11.6	-82.8	51.6	65.22769				42.3		22.7		
8 -17.218	-24.919	1337.14966	-26.1	8.0	-80.7	59.4	63.24721				47.7		12.4	136.99498	7~ 8
10 -12.863	-29.603	1262.30020	-8.8 -13.2	4.4 3.7	-78.7 -79.4	68.2 63.0	61.87932 59.70663	0.888	-94.9 -90.2	60.1	53.1 52.9	28.4	2.4 4.3		
11 -8.833	-29.841	1233.79196	-25.6	3.2	-80.4	56.2	58.10633			58.3	53.1	9.7	4.8	133.55028	9~10 10-11
12 -5.75C 13 -5.515		1226.13516	80.7	1.5	-81.2		54.73450		-82.2	54.l	58.7	4.9	-4.6	149.74617	11-12
		1225.51802 1243.27972	-79.3 -86.6	2.8 4.1	-81.5 -81.6	49.1 38.1	56.08491 58.12973				53.5		4.2		
15 -4.947	-22.070	1281.74393	-88.0	5.3		30.2	59.61290				48.2 43.0		13.3		
16 -4.589	-17.580	1344.90770	-88.6	6.3	-81.2	23.9	61.65939	0.871	-79.0	70.1	37.8	32.5	32.2		
17 -8.165 18 -12.532		1357.46490 1395.50641	~74.4 ~60.3	8-4	-81.9	31.2	62.97663			70.8	37.0	34.1	33.7	109.54589	16-17
19 -17.372		1465.16037		11.3	-83.2 -85.2	38 - 4 44 - 7	65.08503 68.07365				36.7 37.1		34.3 33.7		
20 -23.056	-12.805	1580.08015	-40.9	21.0	-88.7	50.2	72.48675				38.1		32.2		
21 -22.587	-18.898	1482.52051		15.8	-84.6	56.9	68.88721	0.705	-101.2	70.7	43.2	46.4	20.0	170.68873	
23 -22.266		1425.40475	20.1	10.7	-A1 5 -78.7	12.4	64.87415			65.9	48.4	41.4	9.0		
24 -22.308		1396.49886	7.6	0.2	-75.9	81.3	63.86687	0.811	-99.4 -98.7		53.7		-1.3	134-14542	
25 -17.370	-33.522	1314.71561	10.2	0.7	-76.7	78.0	60.99774	0.900	-94.5	56.2	58.4	28.4	-7.2	149.57227	
26 -13.019 27 -9.032		1262.93559	15.2	1.0	-77.9	73.9	58.90897			55.2	58.2	18.8	-5.1	131.77961	25-26
28 -5.750	-33.738	1234-62399	29.0 80.7	1.3	-79.6 -81.2	66.5 61.1	56.98339 54.73450				58.4 58.7		-4.3 -4.6	120.78794 99.45454	
															21-28
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JULY 31,1	964 13 HI	R 16 MIN 28	SEC 232			TAB NO	90		AS PHOTO		90			SEQUENCE N	
		R 16 MIN 28	SEC 232			TAB NO	90	ATL	AS PHOTO	NO			POD	SEQUENCE N	0 186
TRAJECTO	RY DATA	R 16 MIN 28	SEC 232			TAB NO		<b>ATL</b>	AS PHOTO	NO N	90	R	POD v	SEQUENCE N	0 186 AZ
TRAJECTO:	RY DATA			MS	SEC 10 560.	TAB NO	90 ALT 1213.22888	ATL	AS PHOTO  T L( 335 -31.	NO N 708	<b>90</b> 294	R 48.684	POD V 2.125	PTH 5 -71.725 1	0 186 AZ 16.506
TRAJECTO: Photo da Pt lat	RY DATA Ta Lon	RANGE	AZS/C	MS AZN	SEC TO 560.	TAB NO IMPACT	90 ALT 1213-22888	ATL	AS PHOTO  T LC 335 -31	NO IN 1708	90 294 PHAZ	R 48.684 EMIS	POD V 2.125	SEQUENCE NO PTH 5 -71.725 1 SCALE	AZ 16.506
TRAJECTO: PHOTO DA PT LAT 1 -11.370 2 -12.716	RY DATA TA LON -19.023 -25.418	RANGE 1331.34499 1271.44257	AZS/C -22.1	MS	SEC TO 560. AZSUN -80.0	IMPACT	90 ALT 1213-22888 A• 61-29305	ATL  LA  3 -5.	AS PHOTO  T LC 335 -31.  AZPHAZ -93.5	NO .708 .1NCD .69.1	90 294 PHAZ 39.5	R 48.684 EMIS 32.2	POD V 2.125 ALPHA 28.9	PTH 5 -71.725 1 SCALE 0.	AZ 16.506 PT-PT 0- 1
TRAJECTO:  PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852	RY DATA  LQN -19.023 -25.418 -29.754	RANGE 1331.34499 1271.44257 1223.54164	AZS/C -22.1 -36.7 -26.1	AZN 6.7 6.3 3.2	SEC TO 560.  AZSUN -80.0 -80.7 -80.4	TAB NO  IMPACT .567  AZA 60.8 53.3 56.0	90 ALT 1213.22888 A. 61.29305 60.42444 57.62361	ATL LA 3 -5. 8/A 0.896 0.921 0.995	AS PHOTO  T LC 335 -31.  AZPHAZ -93.5 -90.2 -85.6	NO .708 .1NCD 69.1 63.1 58.4	90 294 PHAZ 39.5 47.5 53.1	R 48.684 EMIS 32.2 22.9 9.7	POD V 2.125	SEQUENCE NO PTH 5 -71.725 1 SCALE	AZ 16.506 PT-PT 0-1 1-2
PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852 4 -8.647	RY DATA LON -19-023 -25-418 -29-754 -25-828	RANGE 1331.34499 1271.44257 1223.54164 1241.77705	AZS/C -22.1 -36.7 -26.1 -56.6	AZN 6.7 6.3 3.2 5.0	SEC TO 560.  AZSUN -80.0 -80.7 -80.4 -81.1	TAB NO  IMPACT .567  AZA 60.8 53.3 56.0 46.0	90 ALT 1213-22888 A• 61.29305 60.42444 57.62361 58.73664	ATL LA 3 -5. 8/A 0.896 0.921 0.995 0.965	AS PHOTO  T L( 335 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2	NO 708 1NCD 69-1 63-1 58-4 62-2	90 294 PHAZ 39.5 47.5 53.1 47.7	R 48.684 EMIS 32.2 22.9 9.7 16.1	POD V 2.125 ALPHA 28.9 14.1 4.9 14.2	PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806	0 186 AZ 16.506 PT-PT 0-1 1-2 2-3 3-4
PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428	RY DATA  LON -19.023 -25.418 -29.754 -25.828 -21.648	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637	AZS/C -22.1 -36.7 -26.1 -56.6 -68.6	AZN 6.7 6.3 3.2 5.0 6.8	SEC TO 560. AZSUN -80.0 -80.7 -80.4 -81.1 -81.5	TAB NO  IMPACT .567  AZA 60.8 53.3 56.0 46.0 37.9	90 ALT 1213.22888 61.29305 60.42444 57.62361 58.73664 60.30104	ATL LA 3 -5. 8/A 0.896 0.995 0.965 0.917	AS PHOTO  T L( 335 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8	NO 708 1NCD 69.1 63.1 58.4 62.2 66.3	90 294 PHAZ 39.5 47.5 53.1 47.7 42.3	R 48.684 EMIS 32.2 22.9 9.7 16.1 24.7	POD V 2.125 ALPHA 28.9 14.1 4.9 14.2 23.8	PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 125.37676	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTO: PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 6 -12.606 7 -17-196	TA LON -19.023 -25.418 -29.754 -25.828 -21.648 -21.033 -20.173	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270	AZS/C -22.1 -36.7 -26.1 -56.6 -68.6 -51.3	AZN 6.7 6.3 3.2 5.0	SEC TO 560.  AZSUN -80.0 -80.7 -80.4 -81.1	TAB NO IMPACT .567  AZA 60.8 53.3 56.0 46.0 37.9 45.3	90 ALT 1213-22888 A• 61.29305 60.42444 57.62361 58.73664	ATL LA' 3 -5. 8/A 0.896 0.921 0.995 0.965 0.917	AS PHOTO  T L( 335 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3	NO 708 1NCD 69.1 63.1 58.4 62.2 66.3 67.3	90 294 PHAZ 347.5 53.1 47.7 42.3 42.0	R 48.684 EMIS 32.2 22.9 9.7 16.1 24.7 29.8	POD V 2.125 ALPHA 28.9 14.1 4.9 14.2 23.8 24.0	PTH 5 -71.725 1 SCALE 0- 193.75194 174.16580 117.67806 125.37676 127.84829	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
TRAJECTO: PHOTO DA PT LAT 1 -11-370 2 -12-716 3 -8-852 4 -8-647 5 -8-428 6 -12-606 7 -17-196 8 -17-168	TA LON -19.023 -25.418 -29.754 -25.828 -21.648 -21.033 -20.173 -24.869	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045	AZS/C -22.1 -36.7 -26.1 -56.6 -68.6 -51.3 -39.6 -26.2	AZN 6.7 6.3 3.2 5.0 6.8 8.8 11.6 8.0	SEC TO 560. AZSUN -80.0 -80.7 -81.1 -81.5 -81.9 -82.8	TAB NO IMPACT. 567  AZA 60.8 53.3 56.0 46.0 37.9 45.3 51.5 59.2	90 ALT 1213.22888 A. 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.69543 62.72688	ATL  LA  3 -5.  8/A  0.896  0.995  0.965  0.917  0.872  0.803  0.856	AS PHOTO  T L( 335 -31.  AZPHAC -93.5 -90.2 -85.6 -85.6 -85.6 -90.3 -95.8	NO INCD 69.1 63.1 58.4 66.3 67.3 68.7 64.3	90 294 PHAZ 39.5 47.5 53.1 47.7 42.3 42.0 42.3 47.7	R 48.684 EMIS 32.2 22.9 9.7 16.1 24.7 29.8 37.2 31.5	POD  V 2.125  AL PHA 28.9 14.1 4.9 14.2 23.8 24.0 22.8 12.4	PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84829 141.30877 135.90304	AZ 16.506 PT-PT 0-1 1-2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTO PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 6 -12.606 7 -17.196 8 -17.181	TA LON -19.023 -25.418 -29.754 -25.828 -21.648 -21.033 -20.173 -24.869 -29.224	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381	AZS/C -22.1 -36.7 -26.6 -56.6 -51.3 -39.6 -26.2	AZN 6.7 6.3 3.2 5.0 6.8 8.8 11.6 8.0 4.4	SEC TO 560.  AZSUN -80.0 -80.4 -81.1 -81.5 -81.9 -82.8 -80.8 8.8	TAB NO  IMPACT .567  AZA 60.8 53.3 56.0 46.0 37.9 45.3 51.5 59.2 68.0	90  ALT 1213-22888  A• 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.69543 62.72688 61.36216	ATL  LA  3 -5.  8/A  0.896 0.995 0.965 0.917 0.872 0.803 0.856 0.888	AS PHOTO  T L( 335 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9	NO N. 708 INCD 69.1 63.1 58.4 62.2 66.3 67.3 68.7 64.3	90 294 PHAZ 39.5 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1	R 48.684 EMIS 32.2 22.9 9.7 16.1 24.7 29.8 37.2 31.5 28.4	POD  V 2.125  ALPHA 28.9 14.1 4.9 14.2 23.8 24.0 22.8 12.4 2.5	SEQUENCE No. 5 -71.725 1  SCALE 0. 193.75194 174.16580 117.67806 125.37676 127.84829 141.30877 135.90304 126.00840	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9
TRAJECTO  PHOTO DA  PT LAT  1 -11 - 370  2 -12 - 716  3 -8 - 852  4 -8 - 647  5 -8 - 428  6 -12 - 606  7 -17 - 196  8 -17 - 108  9 -17 - 211  10 -12 - 849  11 -8 - 852	TA LON -19.023 -25.418 -29.754 -25.828 -21.648 -21.033 -20.173 -24.869 -29.224 -29.516 -29.754	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561	AZS/C -22.1 -36.7 -26.1 -56.6 -51.3 -39.6 -26.2 -9.0	AZN 6.7 6.3 3.2 5.0 6.8 8.8 11.6 8.0	SEC TO 560.  AZSUN -80.0 -80.7 -80.4 -81.1 -81.5 -81.9 -82.8 -80.8 -79.4	TAB NO  IMPACT .567  AZA 60.8 53.3 56.0 46.0 37.9 45.3 51.5 59.2 68.0 62.7	90 ALT 1213.22888 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.69543 62.72688 61.36216 59.21120	ATL  LA  -5.  8/A  0.896 0.921 0.995 0.965 0.917 0.872 0.803 0.856 0.8888 0.952	AS PHOTO  T L(1 335 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2	NO 1NCD 69.1 63.1 58.4 62.2 66.3 67.3 68.7 64.3 60.2 59.1	90 294 PHAZ 39.5 47.7 42.3 42.0 42.3 47.7 53.1 52.9	R 48.684 EMIS 32.2 22.9 9.7 16.1 24.7 29.8 37.2 31.5 28.4	POD  V 2.125  AL PHA 28.9 14.1 4.9 14.2 23.8 24.0 22.8 12.4 2.5 4.4	PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84829 141.30877 135.90304 126.00840 132.40848	AZ 16.506 PT-PT 0-1 1-22-3 3-4-5 5-6-7 7-8 8-9-10
PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 6 -12.606 8 -17.168 9 -17.211 10 -12.849 11 -8.852 12 -5.795	TA LON -19.023 -25.418 -29.754 -25.828 -21.648 -21.033 -20.173 -24.869 -29.224 -29.516 -29.754	RANGE 131.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1223.54164	AZS/C -22·1 -36·7 -26·1 -56·6 -51·3 -39·6 -26·2 -9·0 -13·5 -26·1	AZN 6.7 6.3 3.2 5.0 6.8 8.8 11.6 8.0 4.4 3.7 3.2 1.5	SEC TO 560.  AZSUN -80.0 -80.7 -80.4 -81.1 -81.5 -81.9 -82.8 -79.4 -80.4 -80.4 -80.4 -80.4	TAB NO  IMPACT .567  AZA 60.8 53.3 56.0 46.0 37.9 45.3 51.5 59.2 68.0	90  ALT 1213-22888  A• 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.69543 62.72688 61.36216	ATL  LA  -5.  8/A  0.896  0.995  0.965  0.803  0.856  0.888  0.952	AS PHOTO  T	NO 1NCD 69.1 63.1 58.4 62.2 66.3 67.3 68.7 64.3 69.1 58.4	90 294 PHAZ 39.5 47.5 53.1 47.7 42.3 47.7 53.1 53.1 53.1	R 48.684 EMIS 32.2 22.9 9.7 16.1 24.7 29.8 37.2 31.5 28.4 18.7	POD  V 2-125  AL PHA 28-9 14-1 4-9 14-2 23-8 24-0 22-8 12-4 4-9	PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 127.84829 141.30877 135.90304 126.00840 126.40848 121.26648	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10-11
TRAJECTO:  PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 6 -12.606 7 -17.196 8 -17.108 9 -17.211 10 -12.849 11 -8.852 12 -5.795	TA LON -19.023 -25.418 -29.754 -25.828 -21.648 -21.648 -20.173 -24.869 -29.224 -29.516 -29.754 -33.619 -39.929	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1215.66489 215.27391	AZS/C -22-1 -36-7 -26-1 -56-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -78-9	AZN 6.7 6.3 3.2 5.0 6.8 8.8 11.6 8.0 4.4 3.7 3.2 1.5 9	SEC TO 560.  AZSUN -80.0 -80.7 -80.4 -81.5 -81.9 -82.8 -79.8	TAB NO IMPACT .567  AZA 60.8 53.3 56.0 47.9 45.3 51.5 59.2 68.0 62.7 56.0 60.8	90 ALT 1213.22888 A. 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.69543 62.72688 61.36216 59.21120 59.21120 59.62361 54.25945 55.62299	ATL  LA  -5.  8/A  0.896  0.915  0.803  0.856  0.808  0.952  0.995  0.917	AS PHOTO  T L(1 335 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.8 -90.3 -95.8 -95.3 -94.9 -96.6 -82.2 -81.6	NO 1NCD 69.1 58.4 62.2 66.3 67.3 64.3 60.2 59.1 58.4 54.2 57.9	90 294 295 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1 52.9 53.1 52.9 53.1 53.5	R 48.684 532.2 22.9 9.7 16.7 24.7 29.8 37.2 31.5 28.4 18.7 9.7 4.7	POD  V 2.125  ALPHA 28.9 14.1 4.9 14.2 23.8 24.0 22.8 12.4 4.9 -4.5 4.4	SEQUENCE N:  PTH 5 -71.725 1  SCALE 0. 193.75194 174.16580 125.37676 127.84629 141.30877 135.90304 126.00840 132.40848 121.26648 148.49899 111.42255	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTO:  PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 6 -12.606 8 -17.168 9 -17.211 10 -12.849 11 -8.852 12 -5.795 13 -5.562	TA LON -19.023 -25.418 -29.754 -25.828 -21.648 -21.633 -20.173 -24.869 -29.224 -29.516 -29.754 -33.619 -29.929 -29.929 -29.929 -29.929	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1223.54164 1215.66489 1215.27391 1233.03526	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -78-9 -86-4	AZN 6.7 6.3 2 5.0 6.8 8.8 11.6 8.0 4.4 3.2 1.5 2.9 4.1	SEC TO 560.0  AZSUN -80.0 -80.7 -80.4 -81.1 -81.5 -81.9 -82.8 -79.4 -81.2 -81.5 -81.5 -81.5 -81.5 -81.5	TAB NO IMPACT 567  AZA 60.8 53.3 56.0 46.0 37.9 45.3 51.5 59.2 68.0 60.8 49.0 38.1	90 ALT 1213.22888 61.29305 60.42444 67.62361 58.73664 60.30104 62.14581 64.6953 62.72688 61.36216 59.21120 57.62361 54.25945 55.62299 57.65053	ATL  LA  -5.  8/A  0.896  0.991  0.995  0.965  0.872  0.803  0.856  0.985  0.995  0.995	AS PHOTO  T 10335 -31.  AZPHAZ -93.5 -90.2 -85.6 -90.3 -95.3 -95.9 -90.2 -85.2 -85.2 -85.6 -80.9 -80.2 -81.6 -80.9	NO .708 .708 .100 .63.1 .58.4 .62.2 .66.3 .67.3 .68.7 .64.3 .60.2 .59.1 .58.4 .59.1 .58.4 .59.1 .58.4 .59.1	90 294 39.5 47.7 42.3 47.7 53.1 52.9 53.1 58.7 53.5 48.2	R 48.684 532.2 22.9 16.1 24.7 29.8 31.5 28.4 18.7 4.7 4.7	POD  V 2.125  AL PHA 28.9 14.2 23.8 24.0 22.8 12.4 4.9 -4.5 4.3 13.4	SEQUENCE N PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84829 141.30817 135.90304 126.00840 132.40848 121.26648 148.49899 111.42255	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.552 4 -8.647 5 -8.428 6 -12.606 8 -17.168 9 -17.211 10 -12.849 11 -8.852 12 -5.795 13 -5.562 14 -5.299 15 -4.997 16 -4.643	TA  LON -19.023 -25.418 -29.754 -25.828 -21.648 -21.033 -20.173 -24.869 -29.224 -29.516 -29.754 -29.516 -29.754 -29.516 -29.754 -29.224 -29.516 -29.754 -29.224 -29.516 -29.755 -20.755 -17.591	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1223.54164 1215.68489 1215.27391 1233.03526 1271.27460	AZS/C -22-1 -36-7 -26-1 -56-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -78-9	AZN 6.7 6.3 3.2 5.0 6.8 8.8 11.6 8.0 4.4 3.7 3.2 1.5 9	SEC TO 560.  AZSUN -80.0 -80.7 -80.4 -81.5 -81.9 -82.8 -79.8	TAB NO IMPACT .567  AZA 60.8 53.3 56.0 46.0 37.9 51.5 59.2 62.7 56.0 62.7 56.0 49.0 38.1 30.3	90  ALT 1213-22888 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.69543 62.72688 61.36216 59.21120 57.62361 55.62299 57.65053 59.12561	8/A 0.896 0.995 0.995 0.967 0.872 0.856 0.856 0.856 0.952 0.995 0.995 0.993 0.998	T LC 3335 -31: AZPHAZ -93.5 -90.2 -85.6 -90.3 -95.8 -90.9 -90.2 -84.9 -95.8 -95.8 -95.8 -95.8 -95.8 -96.9 -90.9 -9	NO ON .708 INCD 69.1 63.1 58.4 62.2 66.3 67.3 64.3 60.2 59.1 54.2 57.9 61.6	90 294 294 39.5 47.5 53.1 47.7 42.3 47.7 53.1 52.9 53.5 48.7 53.5 48.2	R 48.684 532.2 22.9 16.1 24.7 29.8 31.5 28.4 18.7 4.3 13.4	POD  V 2.125 ALPHA 28.9 14.1 4.9 14.2 23.8 24.0 22.8 12.4 4.4 4.5 4.3 13.4 22.6	SEQUENCE N PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84829 141.30877 135.90304 126.00840 132.40848 121.26648 148.49899 111.42255 115.54094 122.87501	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
TRAJECTO:  PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 6 -12.606 7 -17.196 8 -17.211 11 -8.852 12 -5.795 13 -5.562 14 -5.297 16 -4.643 17 -8.830	RY DATA  LON -19.023 -25.418 -29.754 -25.628 -21.648 -21.033 -20.173 -24.869 -29.754 -29.516 -29.754 -33.619 -29.929 -26.107 -22.045 -17.591	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1251.82561 1251.82561 1215.27391 1233.03526 1271.27460 1333.93790	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -78-9 -78-4 -87-8 -88-5	AZN 6.7 6.3 3.2 5.0 6.8 8.8 11.6 4.4 3.7 21.5 2.9 4.1 5.3 6.3 8.4	SEC TO 560.  AZSUN -80.0 -80.4 -61.1 -1.91.5 -81.9 -82.8 -80.8 -79.4 -80.4 -80.4 -80.4 -80.4 -81.5 -81	TAB NO  IMPACT 567  AZA 60.8 53.3 56.0 46.0 37.9 45.3 51.5 59.2 68.0 62.7 56.0 62.7 56.0 89.0 380.3 24.0	90  ALT 1213-22888 61.29305 60.42444 67.62361 58.73664 60.30104 62.14581 64.67568 61.36216 62.7688 61.36216 59.21120 57.62361 54.25945 55.62299 57.65053 59.12561 61.15600	ATL  LA  0.896 0.921 0.995 0.965 0.803 0.856 0.888 0.952 0.995 0.971 0.988 0.952 0.971 0.988	T L(1335 -31: AZPHAZ -93.5 -90.2 -85.6 -90.3 -95.3 -94.9 -90.9 -85.6 -82.2 -81.6 -80.9 -84.2 -81.6 -80.0 -79.0 -84.2	NO N. 708 INCD 69-1 63-1 58-4 62-2 66-3 68-7 64-3 68-7 59-1 58-4 570-1 70-8	90 294 PHAZ 39.5 53.1 47.3 42.3 42.3 53.1 53.1 53.9 53.5 48.0 37.8 37.8	R 684 48.684 EMIS 222.9 9.7 124.7 29.7 124.7 4.3 13.8 122.8 134.5	POD  V 2.125  AL PHA 28.9 14.1 4.9 14.2 23.8 24.0 22.8 12.4 4.9 -4.5 4.4 2.6 32.2 33.7	SEQUENCE N PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84829 141.30877 135.90304 126.00840 132.40848 121.26648 148.4989 141.42255 115.54094 122.87501 134.83734 108.66453	AZ 16.506 PT-PT 0-1 1-22-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTO  PHOTO DA  PT LAT  1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 6 -12.606 7 -17.196 8 -17.108 9 -17.21 10 -12.849 11 -8.852 12 -5.795 13 -5.562 14 -5.299 15 -4.997 16 -4.643 17 -8.190	TA LON -19-023 -25-418 -29-754 -21-648 -21-033 -24-889 -29-754 -29-254 -29-516 -29-754 -33-619 -22-224 -19-516 -17-591 -17-048 -16-16-7	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.70270 1326.15045 1303.89381 1251.82561 1223.54164 1215.66489 1223.54164 1215.66489 1233.03526 1271.27460 1333.933790 1346.47278	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 779-9 -86-4 -87-8 -88-5 -74-4	AZN 6.7 6.3 3.2 5.0 6.8 8.1 6.6 8.0 43.7 3.2 5.2 9 4.1 5.3 6.3 8.4 11.6	SEC TO 560.  AZSUN -800 -800 -800 -801 -81.5 -81.5 -81.9 -82.8 -79.4 -81.2 -81.2 -81.2 -81.2 -81.5 -81.6 -81.5 -81.5 -81.6 -81.5 -81.5 -81.9 -83.8	TAB NO  IMPACT 567  AZA 60.8 53.3 56.0 46.0 45.9 45.3 51.5 59.2 68.0 60.7 56.0 60.0 38.1 30.3 324.0 31.2	90  ALT 1213.22888  A. 61.29305 60.42444 57.62361 62.14581 64.69543 62.72688 61.36216 59.21120 59.21120 59.2156361 54.25945 55.62299 57.65053 59.12561 61.15600 62.46653	ATL  LA  -5  8/A  0.896  0.995  0.965  0.975  0.872  0.803  0.856  0.952  0.995  0.971  0.983  0.952  0.971  0.983	T L(1335 -31: AZPHAZ -93.5 -90.2 -85.6 -95.8 -95.9 -90.2 -85.6 -82.2 -84.8 -95.9 -90.2 -85.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -90.3 -90.3 -90.3	NO NO 1 NC D 69-1 58-4 62-2 66-3 67-3 60-2 59-1 58-4 57-9 61-6 70-1 70-8 72-0	90 294 PHAZ 39.5 547.5 53.1 47.7 42.3 42.0 42.3 42.3 53.1 53.1 53.5 48.0 37.8 37.8 37.6	R 6 84 48 . 6 84 22 . 9 . 7 124 . 8 22 . 9 . 7 124 . 8 23 . 4 31 . 5 23 . 4 31 . 4 32 . 5 33 . 4 33 . 4 33 . 4 33 . 4	POD  V 2.12: ALPHA 28.9 14.1 4.9 14.2 23.8 12.4 4.9 -4.5 4.3 13.4 22.6 32.2 33.7 34.3	FTH 5 -71.725 1  SCALE 0.  193.75194 174.16580 117.67806 127.84829 141.30877 135.90304 126.00840 132.40848 121.266488 148.49899 111.42255 115.54094 122.87501 134.83734 108.66453	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTO  PHOTO DA  PT LAT  1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.647 5 -8.648 6 -12.606 7 -17.196 8 -17.108 11 -8.852 12 -5.799 11 -8.852 14 -5.299 15 -4.977 16 -4.643 17 -8.190 18 -12.522 19 -17.321 20 -22.951	TA LON -19.023 -25.418 -29.754 -25.628 -21.048 -21.033 -20.173 -24.869 -29.224 -33.619 -29.929 -26.107 -22.045 -17.591 -17.058 -16.167 -14.878	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1251.82561 1251.82561 1215.27391 1233.03526 1271.27460 1333.93790	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -78-9 -78-4 -87-8 -88-5	AZN 6.7 6.3 3.2 5.0 6.8 8.8 11.6 4.4 3.7 21.5 2.9 4.1 5.3 6.3 8.4	SEC TO 560.  AZSUN -80.0 -80.4 -81.5 -81.9 -82.8 -79.4 -80.8 -79.4 -80.5 -81.5	TAB NO  IMPACT .567  AZA 600.8 553.3 56.0 45.0 551.5 59.2 68.0 62.7 568.0 62.7 568.0 62.7 300.8 49.0 324.0 31.2 388.4 444.7	90 ALT 1213.22888 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.675638 61.36216 59.21120 57.62361 54.25945 55.62299 57.65053 59.12561 61.15600 62.46653 64.55838	ATL  LA3  -5.  8/A  0.896 0.9921 0.995 0.917 0.872 0.803 0.856 0.888 0.952 0.995 0.971 0.940 0.871 0.847 0.878	T L(1335 -31. AZPHAZ -93.5 -90.2 -85.6 -90.3 -95.3 -95.3 -94.9 -90.2 -85.6 -80.9 -90.2 -85.6 -80.9 -90.2 -85.6 -80.9 -90.2 -85.6 -80.9 -90.2 -85.6 -80.9 -90.2 -85.6 -80.9 -90.2 -85.6 -80.9 -90.2 -80.6 -80.9 -90.2 -80.6 -80.9 -90.2 -90.3 -96.4 -90.3 -96.4 -90.3 -96.4	NO DN .708 INCD 69.1 58.4 62.2 59.1 58.4 59.1 58.4 67.3 60.2 57.9 61.6 67.1 70.8 77.3	90 294 PHAZ 39.5 47.5 53.1 42.3 47.7 53.1 58.5 48.2 43.0 37.0 36.7 1	R 684 48.684 132.9 16.1 22.9 16.1 24.7 237.5 28.4 18.7 4.7 4.7 13.4 22.8 334.1 4.9	POD  V 2.125  AL PHA 28.9 14.1 4.9 23.8 24.0 22.8 12.4 4.9 -4.5 4.4 22.6 33.7 34.3 33.7	SEQUENCE N PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84829 141.30877 135.90304 126.00840 132.40848 121.26648 148.49899 111.42255 115.54094 122.87501 134.83734 108.66453 133.81838 150.16069	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTO:  PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.652 4 -8.647 5 -8.428 6 -12.606 7 -17.196 9 -17.211 0 -12.849 11 -8.852 12 -5.795 13 -5.562 14 -5.299 15 -4.997 16 -4.643 17 -8.190 18 -12.522 20 -22.951	RY DATA  LON -19.023 -25.418 -29.754 -25.628 -21.048 -21.033 -20.173 -24.869 -29.524 -29.526 -29.754 -33.619 -29.929 -26.17,591 -17.048 -16.167 -14.878 -12.869	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1313.88596 1373.70270 1281.5046 1323.54164 1215.64889 1215.27391 1233.03526 1271.27460 1333.93790 1346.47278 1346.47278 1346.47278	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -78-9 -86-4 -88-5 -74-4 -69-3 -41-0	AZN 6.7 6.3 2 5.0 0 6.8 8.8 11.6 0 4.4 7 3.7 2 1.5 2.9 4.1 5.3 8.4 15.2 20.9 15.7	SEC TO 550 AZSUN -80.0 -80.7 -80.4 -81.5 -	TAB NO  IMPACT 567  AZA 60.8 53.3 56.0 46.0 45.9 45.3 51.5 59.2 68.0 60.7 56.0 60.0 38.1 30.3 324.0 31.2	90 ALT 1213.22888 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.69543 62.72688 61.36216 59.21120 57.62361 54.25945 55.62299 57.65053 59.12561 61.15600 61.15600 61.156053 64.55838 67.51656 67.51656	ATL  LA3  -5.  8/A  0.894  0.995  0.917  0.872  0.856  0.888  0.952  0.993  0.985  0.987  0.987  0.987  0.987  0.987  0.987  0.988  0.995  0.710  0.871  0.867  0.798  0.706	T L(1335 -31. AZPHAZ -93.5 -90.2 -85.6 -85.2 -95.3 -94.9 -95.6 -85.6 -80.0 -79.0 -84.2 -80.0 -79	NO 0N 708 1NCD 69.1 58.4 66.3 68.7 64.3 66.3 67.3 68.7 58.4 65.6 70.1 70.8 70.7	290 294 39.5 47.5 53.1 42.3 47.7 53.1 52.9 53.1 52.9 37.0 37.8 37.0 37.0 37.1 38.1 48.1	R 68.684 82.2 22.9 96.7 124.7 31.5 29.8 232.5 348.4 44.9 653.4 44.9 653.4 66.4	POD  V 2.125  AL PHA 28.9 14.1 4.9 14.2 23.8 24.0 22.8 12.4 4.9 -4.5 4.4 4.9 -4.5 33.7 34.3 33.7	SEQUENCE N:  PTH 5 -71.725 1  SCALE 0. 193.75194 174.16580 125.37676 127.84829 141.30877 135.90304 126.00840 132.40848 148.49899 111.42255 115.54094 122.87501 134.83734 108.66453 133.81838 150.16069	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
TRAJECTO  PHOTO DA  PT LAT  1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 6 -12.606 7 -17.196 8 -17.211 10 -12.849 11 -8.852 12 -5.795 13 -5.562 14 -5.299 16 -4.643 17 -8.93 17 -8.93 17 -8.93 17 -8.93 12 -2.281	TA LON -19-023 -25-618 -29-754 -25-828 -21-048 -21-033 -20-173 -24-899 -29-224 -29-516 -29-754 -33-619 -29-929 -26-107 -21-048 -16-16-14-878 -18-903 -24-09-18-903 -24-09-18-903 -24-097	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1223.54164 1215.27391 1233.03526 1271.27460 1333.93790 1346.47278 1346.47278 1346.72201 1453.16512 1566.69429 1470.12935	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -78-9 -88-8 -88-8 -74-4 -60-3 -41-0 -31-7	AZN 6.7 6.32 5.00 6.8 8.8 11.6 6.3.2 1.5 2.9 1.5 6.3 6.3 6.3 6.3 11.3 11.3 11.3 11.3	SEC TO. 560.  AZSUN 0-80.7-80.4 -81.5-81.5 -81.5-81.6 -79.4 -81.2 -81.6 -81.6 -81.6 -81.6 -81.6 -81.6 -81.6 -81.6 -81.6 -81.6 -81.6 -81.6	TAB NO  IMPACT 567  AZA 60.8 53.3 56.0 37.9 56.0 62.7 68.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62	90 ALT 1213-22888 61-29305 60-42444 57-62361 58-73664 60-30104 62-14581 64-69543 62-72688 61-36216 59-21120 57-62361 54-25945 55-62299 57-65053 59-12561 61-15600 62-46653 64-55838 67-51656 64-55838 67-51656 68-31131 68-31131	### ATL  ###	T 10335 -31:  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.9 -85.6 -82.2 -81.6 -80.9 -80.9 -90.3 -96.4 -102.3 -101.2 -100.2	NO ON .708 INCD 69.1 63.1 58.4 66.3 67.3 66.3 67.3 66.5 65.6 65.6 77.0 70.8 77.6 70.8	90 294 39.5 47.5 47.7 42.3 42.3 47.7 53.1 53.5 43.0 37.8 37.8 37.8 37.8 36.7 37.8 43.9	R 68-684 32-2-9 16-11 22-9.8 27-2 27-2 27-2 27-2 28-4 7-4 3-3 48-4 9-7 43-4 84-4 46-4 46-4 46-4 46-4 46-4 46-4 46	POD  V 2.125  AL PHA 28.9 14.9 14.2 23.8 24.0 22.8 12.4 4.9 -4.5 4.3 13.4 4.9 -4.5 32.2 33.7 34.3 33.7 32.1 20.0	SEQUENCE NO PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84629 141.30877 135.90304 126.00840 132.40848 121.26648 148.49899 111.42255 115.54094 122.87501 134.83734 108.66453 133.81838 150.16069 179.85623 169.15185	AZ 16.506 PT-T 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 910-11 11-12 12-13 13-14 14-15 15-16 14-15 15-16 14-15 15-16 14-19-20 20-21
TRAJECTO:  PHOTO DA PT LAT 1 -11.370 2 -12.716 3 -8.652 4 -8.647 5 -8.428 6 -12.606 7 -17.196 9 -17.211 0 -12.849 11 -8.852 12 -5.795 13 -5.562 14 -5.299 15 -4.997 16 -4.643 17 -8.190 18 -12.522 20 -22.951	TA LON -19.023 -25.418 -29.754 -25.628 -21.648 -21.648 -21.648 -29.754 -29.524 -29.524 -29.524 -29.524 -29.524 -17.591 -17.048 -12.686 -11.6167 -14.878 -12.686 -18.903 -24.097 -28.841	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1215.68489 1215.27391 1233.03526 1271.27460 1333.93790 1346.47278 1384.21201 1453.16512 1566.69429 1470.12935 14413.44019	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 -79-9 -78-9 -78-9 -88-5 -74-4 -60-3 -49-3 -41-0 -31-7 -26-1	AZN 6.7 6.3 6.3 8.4 11.6 6.3 8.4 12.5 9.15.7 10.6 5.5 5.5	SEC TO	TAB NO IMPACT .567  AZ A 60.8 53.3 56.0 46.0 45.3 51.2 68.0 60.7 56.0 49.0 31.2 49.0 31.2 44.7 50.1 56.1 64.1 72.2	90 ALT 1213.22888 61.29305 60.42444 57.62361 58.73664 60.30104 62.14581 64.6953 64.6953 59.21120 57.62361 54.25945 55.62299 57.65053 59.12561 61.1560 62.46653 64.5958 64.6958 64.5958	ATL  LA 3 -5.  B/A 0.896 0.995 0.995 0.917 0.872 0.803 0.856 0.988 0.952 0.995 0.991 0.983 0.995 0.971 0.847 0.872 0.876 0.798	T L(1335 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -95.3 -95.8 -95.6 -85.6 -85.6 -80.9 -90.3 -94.2 -90.3 -96.4 -2 -90.3 -96.9 -80.0 -79.0 -80.2 -90.3 -96.9 -80.0 -79.0 -80.2 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3 -96.9 -90.3	NO NO NO 1NCD 69.11 63.1 66.3 66.7 66.3 68.7 64.3 66.3 68.7 64.3 65.6 70.1 72.0 73.7 70.7 65.6	90 29. PHAZ 39.55 53.1 47.77 42.00 47.37 53.1 58.35 48.20 47.37 53.1 158.37 48.20 47.37 48.40 48	R 68-684 52-2 9-7 16-17 22-9 16-17 22-9 16-17 22-9 16-17 22-9 16-17 22-9 16-17 22-9 16-17 12-18	POD  V 2.12: ALPHA 28.9 14.1 4.9 14.2 23.8 24.0 22.8 12.4 4.9 -4.5 31.3 33.7 32.1 20.0 9.1	SEQUENCE N PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84829 141.30877 135.90304 126.00840 122.40848 121.266484 121.266484 121.266481 134.83734 108.66453 133.81838 150.16069 179.85623 169.15183	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23
TRAJECTO  PHOTO DA  PT LAT  1 - 11 - 370  2 - 12 - 716  3 - 8 - 852  4 - 8 - 647  5 - 8 - 428  6 - 12 - 606  7 - 17 - 196  8 - 17 - 108  9 - 17 - 128  11 - 8 - 852  12 - 5 - 799  15 - 4 - 97  16 - 4 - 643  17 - 8 - 190  18 - 12 - 22  19 - 17 - 321  20 - 22 - 95  21 - 22 - 248  22 - 22 - 251  24 - 22 - 265  24 - 22 - 265  25 - 17 - 315	TA LON -19-023 -25-418 -29-754 -21-648 -21-648 -29-754	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1223.54164 1215.68489 1223.03526 1271.27460 1333.93790 1346.47278 1384.21201 1453.16512 1566.69429 1470.12935 1413.44019 1386.34381 1384.31387	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -88-4 -88-5 -74-4 -60-3 -41-3 -41-3 -41-3 -50-2 -6-8 -7-5 -7-5 -7-5	AZN 6.7 6.32 5.00 6.8 8.8 11.6 6.3.2 1.5 2.9 1.5 6.3 6.3 6.3 6.3 11.3 11.3 11.3 11.3	SEC TO 560.  AZSUN -80.0 0 -80.7 -80.8 -7 -80.8 -78.8	TAB NO  IMPACT 567  AZA 60.8 53.3 56.0 37.9 551.5 68.0 62.7 56.0 60.0 38.1 30.3 24.0 38.1 30.3 31.2 38.4 44.7 72.2	90 ALT 1213-22888 61-29305 60-42444 57-62361 58-73664 60-30104 62-14581 64-69543 62-72688 61-36216 59-21120 57-62361 54-25945 55-62299 57-65053 59-12561 61-15600 62-46653 64-55838 67-51656 64-55838 67-51656 68-31131 68-31131	ATL  LA  3 -5.  8/A  0.896  0.921  0.995  0.917  0.872  0.893  0.856  0.952  0.991  0.888  0.952  0.991  0.888  0.952  0.991  0.888	T 10335 -31:  AZPHAZ -93.5 -90.2 -85.6 -85.2 -94.9 -95.3 -94.9 -90.2 -81.6 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -101.2 -99.4 -98.7	NO NO 1NCD 69-11 63-14 62-22 66-36 67-3 60-2 58-4 70-8 71-0-8 72-0 71-0-8 72-0 76-5-6 65-6	90 294 39.5 47.5 47.7 42.0 42.3 42.0 42.3 47.7 53.1 58.7 53.1 58.7 53.1 37.0 37.0 36.7 37.0 36.7 36.7 36.7 36.7 36.7 36.7 36.7	R 68-684 32-2-97 16-17-229-82 37-5-38-47 4-77 4-77 4-73-48-49 53-64-41-33-48-49	POD  V 2.12: ALPHA 28.9 14.1 4.9 23.8 24.0 22.8 12.4 4.9 24.0 32.2 33.7 34.3 33.7 32.1 20.0 9.1 -1.2	SEQUENCE N  PTH  5 -71.725 1  SCALE 0. 193.75194 174.16580 117.67806 125.37676 127.84829 141.30877 135.90304 126.00840 132.40848 121.26648 148.49899 111.42255 115.54094 122.87501 134.83734 123.81838 150.1606453 133.81838 150.1606451 134.83734 148.6454 133.81838 150.1606451 134.83734 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484 148.8484	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 20-21 20-21 20-21 22-22 22-22 23-34
TRAJECTO  PHOTO DA  PT LAT  1 -11.370 2 -12.716 3 -8.652 4 -8.647 5 -8.428 6 -12.606 7 -17.926 9 -17.211 10 -12.849 11 -8.652 12 -5.795 13 -5.562 14 -5.299 15 -4.997 16 -4.643 17 -8.190 18 -12.522 20 -22.951 20 -22.951 21 -22.868	TA LON 2-19-023 25-418 29-754 25-828 21-048 21-038 29-754 29-754 29-751 29-759	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1223.54164 1215.26489 1215.27391 1233.03526 1271.27460 1333.93790 1346.47278 1384.21201 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1453.16512 1252.23174	AZS/C -22-1 -36-1 -56-6 -51-3 -39-6 -26-2 -9-0 -13-5 -78-9 -86-4 -87-8 -88-5 -74-4 -60-3 -41-0 -31-7 -20-2 -68-7 -79-9 -86-8 -74-9 -86-8 -74-9 -86-9 -9-9 -9-9 -9-9 -9-9 -9-9 -9-9 -	AZN 6.7 6.3 3.2 2.5 0.6 8.8 8.0 4.5 1.5 3.8 8.4 11.3 11.5 0.9 11.5 0.3 0.7 10.6 5.5 0.3 0.7 0.7 10.6	SEC TO	TAB NO  IMPACT .567  AZA 60.8 53.3 56.0 37.9 36.0 37.9 68.0 62.7 56.0 60.0 38.1 30.3 24.0 38.1 30.3 24.0 38.1 50.1 56.1 56.1 56.1 77.6	90  ALT 1213-22888 61.29305 60.42444 67.62361 58.73664 60.30104 62.14581 64.6953 62.7688 61.36216 59.21120 57.62361 59.21120 57.62361 59.21120 57.62361 61.15600 62.46653 64.55838 67.51656 71.87285 67.51656 71.87285 68.31131 65.92716 64.32100 63.30924 60.47645	ATL  LA  0.49  0.491  0.995  0.901  0.803  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985  0.985	T 10335 -31:  AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.6 -85.2 -85.6 -82.2 -81.6 -82.2 -81.6 -82.2 -81.6 -82.2 -90.3 -96.4 -102.3 -96.4 -102.3 -96.4 -98.7 -94.5 -99.5	NO NO 1 NCD 69-11 58-4 62-2 66-3 64-3 66-3 64-3 64-3 64-3 70-8 70-8 70-7 70	90 294 294 39.55 53.11 42.33 47.77 52.99 58.77 53.55 43.08 37.00 36.71 38.12 48.44 58.97 5	R 8.684 8.684 22.99.7 124.7 237.2 331.5 24.7 4.7 4.7 4.7 4.3 338.4 4.1 338.4 5.1 3 5.1 5.1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	POD  V  2.12: ALPHA 26.9 14.1 4.9 14.2 23.8 24.0 22.8 4.9 -4.3 13.4 2.5 32.2 33.7 32.1 20.0 -7.1 -7.1 -7.5 -7.5	SEQUENCE N  PTH  5 -71.725 1  SCALE 0. 193.75194 174.16580 117.67806 127.84629 141.30877 135.90304 126.00840 122.40848 121.26648 148.49378 122.87501 134.83734 126.6453 133.81838 150.16069 179.85623 169.15185 169.66484 133.04664 126.74709 148.14573	AZ 16.506 PT-PT 0-11 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 20-22 22-23 23-24 24-25 25-25
TRAJECTO  PHOTO DA  PT LAT  1 -11.370 2 -12.716 3 -8.852 4 -8.647 5 -8.428 8 -17.108 8 -17.108 8 -17.21 10 -12.849 9 -17.21 10 -12.849 11 -8.852 12 -5.799 11 -8.852 12 -5.799 16 -4.947 17 -8.190 18 -12.522 19 -17.321 20 -22.951 21 -22.486 22 -22.251 23 -22.187 24 -22.266 25 -17.315 26 -13.003 27 -9.050	TA LON -19-023 -25-618 -29-754 -25-828 -21-048 -21-033 -20-173 -24-869 -29-516 -29-754 -33-619 -17-591 -17-048 -16-167 -14-878 -12-869 -18-903 -24-097 -28-841 -33-350 -33-359 -33-561 -33-3569 -33-33-569 -33-356	RANGE 1331.34499 1271.44257 1223.54164 1241.77705 1281.32637 1313.88596 1373.70270 1326.15045 1303.89381 1251.82561 1223.54164 1215.68489 1223.03526 1271.27460 1333.93790 1346.47278 1384.21201 1453.16512 1566.69429 1470.12935 1413.44019 1386.34381 1384.31387	AZS/C -22-1 -36-7 -26-1 -56-6 -68-6 -51-3 -39-6 -26-2 -9-0 -13-5 -26-1 79-9 -88-4 -88-5 -74-4 -60-3 -41-3 -41-3 -41-3 -50-2 -6-8 -7-5 -7-5 -7-5	AZN 6.7 6.3 3.2 5.6 8.8 8.4 4.4 1.5 6.3 15.2 2.9 4.1 15.3 15.2 2.9 15.7 10.6 6.3 0.3 15.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	SEC TO	TAB NO IMPACT .567  AZA 60.8 53.3 56.0 46.0 45.3 559.2 68.0 62.7 56.0 49.0 31.2 44.7 50.8 47.7 56.8 64.1 73.6 64.1 73.6 66.1	90 ALT 1213.22888 61.29305 60.42444 67.62361 58.73664 60.30104 62.14581 64.6953 64.6953 65.62299 57.65053 59.12561 61.1560 62.46653 64.5588 67.51656 63.1131 65.92716 64.32100 63.30924	ATL  LA' 0.84 0.94 0.91 0.91 0.95 0.901 0.803 0.856 0.952 0.995 0.906 0.883 0.960 0.952 0.970 0.803 0.870 0.870 0.870 0.870 0.870 0.870 0.870 0.870 0.870 0.870 0.870 0.870 0.970 0.870 0.970 0.870 0.970 0.870 0.970 0.870 0.970 0.970 0.970 0.970	AS PHOTO  T 1335 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -94.2 -85.6 -80.0 -79.0 -80.1 -90.3 -96.4 -102.3 -96.4 -102.3 -96.4 -102.3 -96.4 -102.3 -96.5 -90.2 -85.5 -96.5 -9	NO ON .708 INCD 69-11 58-4 66-2 66-2 59-16 67-3 64-3 66-3 70-17 70-7 70-7 70-7 70-7 70-7 70-7 70-	90 294 39.55 53.1 47.7 44.03 47.7 53.1 53.1 53.1 53.1 53.1 37.0 36.7 37.8 48.2 48.4 53.7 53.7 58.7 58.7 58.8	R 68-684 EMIS 22-9 9-7 124-7 29-88 37-2 28-4 7-3 31-5 28-4 7-4 38-4 64-3 38-4 46-3 38-4 13-3 88-4 13-3 88-3 18-8 0	POD  V V 26.9 14.11 14.2 23.8 24.9 14.1 25.6 4.4 2.5 4.4 4.9 4.3 33.3 33.7 34.3 33.3 33.7 34.3 20.0 21.1 21.1	SEQUENCE N PTH 5 -71.725 1 SCALE 0. 193.75194 174.16580 117.67806 127.84829 141.3081 135.90304 126.00840 132.40848 121.26648 148.49899 111.42255 115.54094 122.87501 134.83734 108.66453 133.81838 150.16069 179.85623 160.15185 145.64884 126.74709	AZ 16.506 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27

			RA-VII	CAMERA	FA						46
JULY 31,1964 13 HR 16 MIN 33	SEC 352 MS		т	AB NO	91	ATL:	S PHOTO	NO	91	POD S	EQUENCE NO 188
	320 372 110							<b>.</b>		v	PTH AZ
TRAJECTURY DATA		5	SEC TO :		ALT 1202.89435	LA1 -5.3			R 2938.3		-71.681 116.499
PHOTO DATA PT LAT LON RANGE	AZS/C A	AZN	AZSUN	AZA	Α•	R/A	<b>A7</b> PH <b>A</b> 7	1 NC D	PHAZ EMI	SALPHA	SCALE PT-PT
1 -11.361 -19.042 1320.12363	-22.3 6	5.7	-80.0	60.6	60.78416	0.896	-93.5	69.1	39.5 32.	28.8	0. 0-1
2 -12.702 -25.365 1260.94261			-80.7 -80.4	53.2 55.8	59.92544 57.14014				47.5 22.5 53.1 9.		191.63385 1- 2 172.76036 2- 3
3 -8.870 -29.666 1213.27528 4 -8.666 -25.772 1231.51125			-81.1	45.9	58.25099	0.965			47.7 16.		116.72130 3- 4
5 -8.450 -21.626 1270.82971			-81.5	37.9	59.80692	0.917			42.3 24.		124.37442 4- 5 126.80343 5- 6
6 -12.593 -21.015 1303.13263 7 -17.145 -20.163 1362.36282			-81.9 -82.8	45.3 51.4	61.63721				42.0 29.		140.10649 6- 7
8 -17.116 -24.820 1315.11737			-80.8	59.1	62.20494		-95.3	64.3	47.7 31.	5 12.5	134.80679 7- 8
9 -17.158 -29.138 1292.87685			-78.7	67.7	60.64358				53.1 28. 52.9 18.		124.98168 8- 9 131.26141 9-10
10 -12.833 -29.430 1241.32805 11 -8.870 -29.666 1213.27528				62.5	58.71469 57.14014		-85.6	58.4	53.1 9.		120.25032 10-11
12 -5.839 -33.499 1205.22748	79.1	1.5	-81.2	60.4	53.78443	0.971	-82.2	54.3	58.7 4.	6 -4.4	147.25043 11-12
				48.9 38.1	55.16064 57.17076		-81.6 -80.9		53.5 4. 48.2 13.		110.47236 12-13 114.59523 13-14
14 -5.346 -26.049 1222.77890 15 -5.047 -22.020 1260.79205				30.4	58.63772		-80.0		43.0 22.		121.88519 14-15
16 -4.696 -17.603 1322.95454	-88.4	6.3	-81.2	24.1	60.65202				37.8 32.		133.73298 15-16
17 -8.213 -17.062 1335.45926		8-4	-81.9 -83.2	31.3 38.4	61.95546		-84.2 -90.3		37.0 34. 36.7 38.		132.72241 17-18
18 -12.510 -16.189 1372.88704 19 -17.268 -14.915 1441.12907		1.3 5.1	-85.2	44.6	66.95759		-96.4	73.7	37.1 44.	9 33.7	148.85786 18-19
20 -22.845 -12.935 1553.25687		0.8	-88.7	50.0	71.25657		-102.3	76.2	38.1 53.		178.05803 19-20 167.60925 20-21
21 -22.387 -18.909 1457.69040 22 -22.152 -24.056 1401.43248		5.7 0.6	-84.7 -81.6	56.7 64.0	67.73319			65.9	43.2 46.		144.43253 21-22
23 -22.067 -28.757 1374.48161		5.5	-78.9	12.0	63.76609	0.800	-99.4	61.7	53.7 38.	5 -1.0	131.94339 22-23
24 -22.103 -33.234 1372.09592		0.4	-76.1	80.6	62.75015		-98.7		58.9 38.		125.64595 23-24 146.71358 24-25
25 -17.259 -33.277 1292.22260 26 -12.986 -33.340 1241.50824		0.8	-76.9 -78.1	77.3 73.2	59.95396 57.90966		-94.5 -90.2		58.4 28. 58.2 18.		129.46135 25-26
27 -9.066 -33.419 1213.67865	27.7	1.3	-79.6	65.7	56.00295	0.993	-85.9	54.8	58.4 10.	0 -4.1	118.73748 26-27
28 -5.839 -33.499 1205.22748	79.1	1.5	-81.2	60.4	53.78443	0.971	-82.2	54.3	58.7 4.	6 -4.4	97.77172 27-28
			1	TAB NO	92		AS PHOTO	NO	92	POD S	EQUENCE NO 190
JULY 31,1964 13 HR 16 MIN 38	SEC 472 M		٦	TAB NO	92			NO	92	POD S	SEQUENCE NO 190
	SEC 472 M	s	SEC TO	IMPACT	ALT	<b>A</b> TL	AS PHOTO	אנ	R	v	PTH AZ
JULY 31,1964 13 HR 16 MIN 38 TRAJECTORY DATA PHUTO DATA		S	SEC TO 550.	IMPACT 328	ALT 1192.54916	ATL	AS PHOTO T L1 395 -31	JN • 588	R 2928 - 0	V 04 2.130	PTH AZ -71.638 116.491
JULY 31,1964 13 HR 16 MIN 38 TRAJECTORY DATA PHUIO UATA PT LAT LON RANGE	AZS/C	S AZN	SEC TO 550.	IMPACT 328 AZA	ALT 1192.54916	ATL LA 5 -5. 8/A	AS PHOTO T LI 395 -31	DN • 588 INCD	R 2928-0 PHAZ EMI	V 04 2.130 S ALPHA	PTH AZ -71.638 116.491 SCALE PT-PT
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892	AZS/C -22.5	S AZN 6.7	SEC TO 550.	IMPACT 328	ALT 1192.54916	ATL LA 5 -5. 8/A 0.896	AS PHOTO  T L1 395 -31  AZPHAZ -93.5 -90.2	INCD 69.1 63.2	R 2928-0 PHAZ EMI 39-5 32- 47-5 22-	V 04 2.130 S ALPHA 1 28.8 9 14.2	PTH AZ -71.638 116.491 SCALE PT-PT 0. 0- 1 189.51825 1- 2
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUIO DATA PT LAN RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.478 1202.9785	AZS/C -22.5 -36.9 -26.9	S AZN 6.7 6.3 3.2	SEC TO 550. AZSUN -80.1 -80.7 -80.4	IMPACT 328 AZA 60-4 53-1 55-6	ALT 1192.54916 A. 60.27456 59.42571 56.65613	ATL LA 5 -5. 8/A 0.896 0.921 0.994	AS PHOTO  T L1 395 -31  AZPHAZ -93.5 -90.2 -85.6	INCD 69.1 63.2 58.5	R 2928-0 PHAZ EMI 39-5 32- 47-5 22- 53-1 9-	V 04 2.130 S ALPHA 1 28.8 9 14.2 8 5.1	PTH AZ -71.638 116.491 SCALE PT-PT 0. 0-1 189.51825 1-2 171.35220 2-3
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160	AZS/C -22.5 -36.9 -26.9 -56.7	AZN 6.7 6.3 3.2 5.0	SEC 10 550. AZSUN -80.1 -80.7 -80.4 -81.1	AZA 60.4 53.1 55.6 45.9	ALT 1192-54916 A• 60-27456 59-425/1 56-65613 57-76469	ATL LA 5 -5. 8/A 0.896 0.921 0.994 0.965	AS PHOTO  T L1 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.2	INCD 69.1 63.2 58.5 62.3	R 2928-0 PHAZ EMI 39-5 32- 47-5 22- 53-1 9- 47-7 16-	V 04 2.130 S ALPHA 1 28.8 9 14.2 8 5.1 2 14.4	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.35220 2-3 115.76313 3-4
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUIO DATA PT LAN RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.478 1202.9785	AZS/C -22.5 -36.9 -26.4 -56.7 -68.5	S AZN 6.7 6.3 3.2	SEC TO 550. AZSUN -80.1 -80.7 -80.4	IMPACT 328 AZA 60-4 53-1 55-6	ALT 1192.54916 A* 60.27456 59.42571 56.65613 57.76469 59.31206 61.12777	ATL LA 0.896 0.921 0.995 0.965 0.916 0.871	AS PHOTO  T L1 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.2 -84.8 -90.3	INCD 69-1 63-2 58-5 62-3 66-3 67-3	R 2928-0 PHAZ EMI 39.5 32. 47.5 22. 53.1 9. 47.7 16. 42.3 24. 42.3 24.	V 04 2.130 S ALPHA 1 28.8 9 14.2 8 5.1 2 14.4 7 23.9 8 24.0	PTH AZ -71.638 116.491 SCALE PT-PT 0. 0-1 189.51825 1-2 171.55220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO UATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.06481	AZS/C -22.5 -36.9 -26.9 -56.7 -68.5 -51.4 -39.8 1	AZN 6.7 6.3 3.2 5.0 6.8 8.8 1.6	SEC TO 550.  AZSUN -80.1 -80.7 -80.4 -81.1 -81.5 -81.9 -82.8	IMPACT 328 AZA 60.4 53.1 55.6 45.9 37.9 45.2 51.3	ALT 1192-54916 A• 6U-27456 59-425/1 56-65613 5/-76469 59-31206 61-12/77 63-62652	ATL LA -5. 8/A 0.896 0.921 0.994 0.965 0.916 0.871 0.804	AS PHOTO  T L1 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	INCD 69-1 63-2 58-5 62-3 66-3 67-3	R 2928-0 PHAZ EMI 39-5 32- 47-5 22- 53-1 9- 47-7 16- 42-3 24- 42-0 29- 42-3 37-	V 04 2.130 S ALPHA 1 28.8 9 14.2 5.1 2 14.4 7 23.9 8 24.0 2 22.8	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.35220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.90237 6-7
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11,352 -19,062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.49785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.00481 8 -17.094 -24.771 1304.06870	AZS/C -22-5 -36-9 -26-9 -56-7 -68-5 -51-4 -39-8 1 -26-5	AZN 6.7 6.3 3.2 5.0 6.8 8.8 1.6	SEC TO 550.  AZSUN -80.1 -80.7 -80.4 -81.1 -81.5 -81.9 -82.8 -80.9	IMPACT 328 AZA 60.4 53.1 55.6 45.9 37.9 45.2 58.9	ALT 1192-54916 A• 60.27456 59.42571 56.65613 57.76469 59.31206 61.12777 63.62652 61.68227	ATL LA -5. 8/A 0.896 0.921 0.994 0.965 0.910 0.871 0.804 0.804	AS PHOTO T LI 395 -31 AZPHAZ -93.5 -90.2 -85.6 -85.6 -80.3 -95.8	INCD 69-1 63-2 58-5 62-3 66-3 67-3 68-7	R 2928-0 PHAZ EMI 39.5 32- 47.5 22- 53-1 9- 47.7 16- 42-3 24- 42-0 29- 42-3 37- 47-7 31-	V 04 2.130 S ALPHA 1 28.8 14.2 8 5.1 2 14.4 7 23.9 8 24.0 22.8 5 12.6	PTH AZ -71.638 116.491 SCALE PT-PT 0. 0-1 189.51825 1-2 171.55220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO UATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.06481	AZS/C -22-5 -36-9 -26-9 -56-7 -68-5 -51-4 -39-8 1 -26-5 -9-4	AZN 6.7 6.3 3.2 5.0 6.8 8.8 1.6	SEC TO 550.  AZSUN -80.1 -80.4 -81.1 -81.9 -82.8 -80.9 -79.5	IMPACT 328  AZA 60.4 53.1 55.6 45.9 37.9 45.2 51.3 58.9 67.5 62.2	ALT 1192.54916 A. 6U.27456 59.425/1 56.65613 57.76469 59.31206 61.12777 63.62652 61.68227 60.32443 58.21760	ATL  LA  -5.  8/A  0.896 0.921 0.994 0.965 0.871 0.804 0.857 0.889 0.951	AS PHOTO  T L1 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -96.3 -96.9	INCD 69-1 63-2 58-5 62-3 66-3 67-3 68-7 64-3 59-3	R 2928-0 PHAZ EMI 39-5 32- 47-5 22- 53-1 9- 47-7 16- 42-0 29- 42-3 37- 47-7 31- 53-1 28-	V 04 2.130 S ALPHA 1 28.8 9 14.2 8 5.1 2 14.4 7 23.9 8 24.0 2 22.8 5 12.6 3 2.7 7 4.6	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.53220 2-3 115.76.513 3-4 123.37017 4-5 125.75677 5-6 138.90237 7-8 123.95331 8-9 130.11332 9-10
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1361.0C481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.343 1230.81827 11 -8.888 -29.578 1202.99785	AZS/C -22-5 -36-9 -26-9 -56-7 -68-5 -51-4 -39-8 1-26-5 -9-4 -14-0 -26-9	S AZN 6.7 6.3 3.2 5.0 6.8 8.6 1.6 0 4.4 3.7 3.2	SEC TO 550.  AZSUN -80.1 -80.4 -81.1 -81.5 -81.9 -82.8 -80.9 -78.5 -80.4	IMPACT 328  AZA 60.4 53.1 55.6 45.9 37.9 51.3 58.9 67.5 52.6	ALT 1192.54916 A. 6U.27456 59.425/1 56.65613 5/.76469 59.31206 61.12/77 63.62652 61.68227 60.32443 58.21760 56.65613	ATL LA 0.896 0.921 0.994 0.965 0.916 0.871 0.804 0.857 0.889 0.994	AS PHOTO  T L: 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.2 -84.9 -95.3 -95.3 -94.9 -90.2 -85.6	INCD 69-1 63-2 58-5 62-3 66-3 67-3 68-7 64-3 59-3 58-5	R 2928-0 PHAZ EMI 39.5 32- 47.5 22- 53.1 9- 47.7 16- 42.3 37- 47.7 31- 53.1 28- 52.9 18- 53.1 9-	V 04 2.130 S ALPHA 1 28.8 9 14.2 8 5.1 2 14.4 7 23.9 8 24.0 2 22.8 5 12.6 3 2.7 7 4.6 8 5.1	PTH AZ -71.638 116.491 SCALE PT-PT 0.
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11,352 -19,062 1308,88892 2 -12,688 -25,311 1250,42746 3 -8,888 -29,378 1202,99785 4 -8,686 -25,717 1221,23160 5 -8,471 -21,603 1260,31706 6 -12,580 -20,997 1292,36169 7 -17,093 -20,153 1351,00481 8 -17,064 -24,771 1304,06870 9 -17,104 -29,053 1781,84756 10 -12,818 -29,578 1202,99785 11 -8,888 -29,578 1202,99785 12 -5,883 -33,379 1194,76395	AZS/C -22.5 -36.9 -26.7 -56.7 -68.5 -51.4 -39.8 1 -26.5 -9.4 -14.0 -26.9 78.2	S AZN 6.7 6.3 3.0 6.8 8.6 8.6 8.4 4.7 3.2	SEC TO 550.  AZSUN -80.1 -80.7 -80.4 -81.5 -81.9 -82.8 -80.9 -78.9 -79.5 -80.4 -81.1	IMPACT 328  AZA 600-4 53-1 55-6 45-9 37-9 45-2 51-3 58-9 67-5 62-2 600-0	ALT 1192.54916 A. 60.27456 59.425/1 56.65613 57.76469 59.31206 61.12777 63.62652 61.68227 60.32243 58.21760 56.65613 53.30955	ATL  LA  -5.  8/A  0.896  0.991  0.995  0.804  0.887  0.887  0.887  0.889  0.994  0.994	AS PHOTO  I L1 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -95.8 -95.3 -94.9 -90.2 -85.6 -82.2	INCD 69-1 63-2 58-5 62-3 66-3 67-3 60-3 59-3 58-5	R 2928-0 PHAZ EMI 39-5 32- 47-5 22- 53-1 9- 47-7 16- 42-0 29- 42-3 37- 47-7 31- 53-1 28- 53-1 28- 53-1 7- 58-7 4-	V 04 2.130 S ALPHA 1 28.8 9 14.2 8 5.1 2 14.4 7 23.9 8 24.0 2 22.8 5 12.6 3 2.7 7 4.6 8 5.1	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.53220 2-3 115.76.513 3-4 123.37017 4-5 125.75677 5-6 138.90237 7-8 123.95331 8-9 130.11332 9-10
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1361.0C481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.343 1230.81827 11 -8.888 -29.578 1202.99785	AZS/C -22-5 -36-9 -26-9 -56-7 -68-5 -51-4 -39-8 1-26-5 -9-4 -14-0 -26-9 78-2 -78-1	S AZN 6.7 6.3 3.2 5.0 6.8 8.6 1.6 0 4.4 3.7 3.2	SEC TO 550.  AZSUN -80.1 -80.4 -81.5 -81.9 -78.9 -78.9 -78.9 -80.4 -81.1 -81.5	IMPACT 328  AZA 60.4 53.1 55.6 45.9 45.2 58.9 67.5 58.9 67.5 60.0 48.7	ALT 1192-54916 59-425/1 56-65613 5/-76469 59-31206 61-12/77 63-62652 61-68227 60-32443 58-21760 56-65613 53-30955 54-69791	ATL LA -5. 8/A 0.896 0.995 0.965 0.971 0.867 0.871 0.989 0.994 0.994 0.983 0.983	AS PHOTO  T 1395 -31  AZPHAZ -91-2 -91-2 -85-6 -85-2 -84-8 -90-3 -95-3 -95-3 -94-9 -90-2 -81-6 -82-2 -81-6	N 588 INCD 69-1 63-2 58-3 66-3 66-3 68-7 64-3 59-3 58-5 54-5 68-8	R 2928-0 PHAZ EMI 39.5 32. 47.5 22. 53.1 9. 47.7 16. 42.0 29. 47.7 31. 53.1 28. 52.9 18. 53.1 9. 53.1 4. 53.5 4.	V 04 2.130 S ALPHA 1 28.8 9 5.1 2 14.4 7 7 23.9 8 24.0 2 22.8 5 12.6 3 2.7 7 4.6 8 5.1 5 -4.3 6.5 13.5 6 13.5	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.35220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.90237 6-7 133.70823 7-8 123.95331 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 109.52187 12-13 113.64833 13-14
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAN RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.00481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.578 1202.99785 11 -8.888 -29.578 1202.99785 12 -5.883 -33.379 1194.76527 13 -5.653 -79.752 1194.75627 14 -5.394 -25.992 1212.51044	AZS/C -22-5 -36-9 -26-Y -56-5 -51-4 -26-5 -9-4 -14-0 -26-9 -78-2 -78-1 -86-0	S AZN 7 7 8 8 8 8 6 8 8 8 8 8 8 8 8 8 8 8 8 8	SEC TO 550.  AZSUN -80.1 -80.7 -80.4 -81.1 -81.5 -81.9 -79.5 -80.4 -81.1 -81.5 -81.5 -81.5 -81.5	IMPACT 328  AZA 60.4 53.1 55.6 37.9 45.2 51.3 67.5 62.6 60.0 48.7 38.1	ALT 1192-54916 4. 60-27456 59-425/1 56-65613 5/-76469 59-31206 61-12777 63-62652 61-88227 60-32443 58-21760 56-65613 53-30955 54-69791 56-69043 58-14917	ATL  LA  -5.  8/A  0.496 0.921 0.994 0.965 0.871 0.867 0.889 0.995 0.996 0.9971 0.983 0.988	AS PHOTO  T L' 395 -31  AZPHAZ -91.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2 -85.6 -80.9 -80.9	INCD 63.2 58.5 62.3 66.3 66.3 68.7 64.3 59.5 54.5 58.5 58.5	R 2928-0 PHAZ EMI 39.5 32-4 47.5 22-53-1 9-4 47.7 16-4 42.3 24-4 42.3 37-4 47.7 31-5 53.1 9-5 53.1 9-5 58.7 4-4 53.5 4-4 8.2 13-4 48.2 13-4 43.0 22-4	V 04 2.130 S ALPHA 1 28.8 9 14.2 28.8 5.1 2 14.4 47 23.9 8 24.0 2 22.8 5 12.6 6 5.1 5 -4.3 5 4.5 6 13.5 9 22.7	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189-51825 1-2 171.53220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.90237 7-8 123.95331 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 109.22187 12-13 113.64833 13-14
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.478 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.0C481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.343 1230.81827 11 -8.888 -29.353 1230.81827 11 -8.888 -29.378 1202.99785 12 -5.883 -33.379 1194.75627 14 -5.394 -25.992 1212.51044 15 -5.097 -21.995 1250.29541	AZS/C -22-5 -36-9 -26-7 -56-7 -68-5 -51-4 -39-8 1 -26-5 -4-14-0 -26-9 -78-2 -86-0 -88-3	S AZ-77 66.3 50.8 81.6 60.4 7.2 9.1 12.1 12.1 12.5 12.5 12.5 14.6 16.6	SEC TO 550.  AZSUN -80.1 -80.4 -81.1 -81.5 -81.9 -82.8 -80.4 -81.1 -81.5 -81.1 -81.5 -81.5 -81.5 -81.5 -81.5 -81.5 -81.5	IMPACT 328  AZA 60.4 53.1 55.6 45.9 37.9 251.3 58.9 67.2 55.6 60.0 738.1 30.4 24.3	ALT 1192-54916 59-425/11 56-65613 57-76469 59-31206 61-12777 63-62652 61-68227 60-3243 38-21760 56-65613 53-30955 54-69791 56-69043 58-14917 60-14735	ATL  LA  -5.  8/A  0.994  0.994  0.995  0.871  0.804  0.887  0.995  0.991  0.993  0.9940  0.9940  0.9940  0.993	AS PHOTO  T 1395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.8 -95.8 -95.8 -95.3 -95.9 -90.2 -81.6 -82.2 -81.6 -80.9 -80.0	INCD 69-1 63-5 62-3 66-3 66-3 68-3 64-3 69-3 58-5 58-5 58-5 58-5 70-7	R 2928-0 PHAZ EMI 39.5 32. 47.5 22. 53.1 9. 47.7 16. 42.0 29. 47.7 31. 53.1 28. 52.9 18. 53.1 9. 53.1 4. 53.5 4.	V V 04 2.130 S ALPHA 1 28.8 9 14.2 1 8.5 1 2 5 12.6 3 2.7 7 4.6 8 5.1 5 4.5 5 4.5 5 4.5 5 4.5 5 32.2	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189-51825 1-2 171.53220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.90237 7-8 123.95331 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 109.22182 12-13 113.64833 13-14 120.89363 14-15 132.62686 15-16 106.89563 16-17
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO UATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.0C481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.343 1230.81827 11 -8.888 -29.578 1202.99785 12 -5.883 -33.379 1194.76395 13 -5.653 -79.752 1194.76395 13 -5.653 -79.752 1194.75627 14 -5.394 -25.992 1212.51044 15 -5.097 -21.995 1250.29541 16 -4.748 -17.614 1311.95584 17 -8.237 -17.077 1324.42824	AZS/C -22-5 -36-9 -26-7 -56-7 -68-5 -51-4 -39-8 1 -26-5 -14-0 -26-9 -78-2 -88-3 -74-3 -74-3	S A2.7.3 A6.3.2.0.8.8.6.0.4.7.2.5.9.1.3.4.5.6.4.4.3	SEC TO 550.  AZSUN -80.1 -80.1 -80.7 -80.4 -81.1 -81.5 -81.1 -81.5 -81.1 -81.5 -81.1	IMPACT 328  AZA 60.4 53.1 55.6 45.9 37.9 251.3 58.9 67.5 62.2 55.6 60.0 48.7 38.1 30.4 24.3 31.3 31.3	ALT 1192-54916 A• 60-274-56 59-425/11 56-65613 57-76469 59-31206 61-12777 63-62652 61-682243 58-21760 56-65613 53-309-55 54-69791 56-69043 58-14917 60-14735 61-44359 63-50137	ATL  LA  -5  8/A  0.8996  0.9951  0.9657  0.8047  0.9794  0.988  0.9710  0.98847  0.799	AS PHOTO  T 1395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.8 -95.3 -94.9 -90.2 -85.6 -82.2 -84.8 -95.3 -94.9 -90.2 -84.9 -90.3	ON 588 INCD 63.2 58.5 62.3 66.3 66.3 68.7 64.3 59.3 58.5 54.5 58.5 65.7 70.0 70.0 70.0	R 2928-0 PHAZ EMI 39-5 32-2 47-5 22-53-1 9-47-7 14-70 24-42-0 29-42-3 37-47-7 31-153-1 28-52-9 18-53-1 9-58-7 4-53-1 3-7 38-3 22-37-0 34-3 36-7 38-3 36-7 38-6 36-7 38-6 36-7 38-6 36-7 38-6 36-7 38-6 36-7 38-6 36-7 38-6 36-7 38-6 36-7 38-6 36-7 38-7 38-7 38-7 38-7 38-7 38-7 38-7 38	V 20130 S ALPHA 1 28.8 9 14.2 8 24.0 2 22.8 8 24.0 2 22.8 5 1.7 7 4.6 8 5.1 5 -4.3 5 -4.3 5 -4.3 3 33.7 3 33.7 3 33.7	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.35220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.9023 7-8 123.37331 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 109.5182 12-13 113.64833 13-14 120.69363 16-15 132.62686 15-16 106.69563 16-17 131.62428 17-18
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO UATA PT LAT LON RANGE 1 -11,352 -19,062 1308,88892 2 -12,688 -25,311 1250,42746 3 -8,888 -29,478 1202,9785 4 -8,686 -25,717 1221,23160 5 -8,471 -21,603 1260,31706 6 -12,580 -20,997 1292,36169 7 -17,093 -20,153 1351,00481 8 -17,064 -24,771 1304,06870 9 -17,104 -29,053 1281,84756 10 -12,818 -29,378 1202,99785 11 -8,868 -29,578 1202,99785 12 -5,883 -33,79 1194,76395 13 -5,653 -29,752 1194,75627 14 -5,394 -25,992 1212,51044 15 -5,097 -21,995 1250,29541 16 -4,748 -17,614 1311,95584 17 -8,237 -17,7077 1324,42824 18 -12,498 -16,211 1361,54285	AZS/C -22-5 -36-9 -26-9 -56-7 -68-5 -51-4 -39-8 1-26-5 -9-4 -14-0 -26-9 -78-1 -87-6 -88-3 -74-3 -60-3 -49-4 1-49-4	S AZ.7.7.66.3.2.0.8.8.6.0.4.7.2.5.9.1.3.4.4.3.3.1.2.9.1.3.4.4.3.1.2.5.6.8.8.1.5.1	SEC 10 550. AZSUN -80.1 -80.7 -80.4 -81.1 -81.5 -81.9 -78.9 -78.9 -79.5 -81.4 -81.5 -81.5 -81.5 -81.5 -81.5	IMPACT 328  AZA 60.4 53-1 55-6 45-9 45-2 51-3 58-9 67-5 60-0 78-1 30-4 231-3 38-4 44-6	ALT 1192-54916 60-27456 59-425/11 56-65613 57-76469 99-31206 61-12777 63-62652 61-8227 60-32443 58-21760 56-65613 53-30955 54-69791 56-69043 58-14917 60-14735 61-44359 63-350137 66-39172	ATL  LA  -5.  8/A  0.896  0.991  0.9965  0.871  0.887  0.889  0.998  0.998  0.998  0.998  0.998  0.998  0.998  0.998  0.998  0.998	AS PHOTO  T 395 -31  AZPHAZ -91.5 -90.2 -85.6 -90.3 -95.8 -95.3 -94.9 -90.2 -81.6 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9	588 1NCD 63.2 58.5 62.3 67.3 68.7 60.3 59.3 58.5 54.5 54.5 54.5 70.0 70.8 72.0	R 2928-0 PHAZ EMI 39.5 32. 47.5 22. 53.1 9. 47.7 16. 42.3 24. 47.7 31. 28. 52.9 18. 53.1 9. 53.1 9. 53.1 9. 53.1 9. 53.1 9. 53.7 4. 48.2 13. 37.1 48.2 13. 37.0 34. 36.7 38. 37.0 34. 36.7 38. 37.1 48.7 37.1	V 2 2 1 2 8 8 9 1 4 2 8 5 1 1 2 8 4 8 9 1 4 2 8 5 1 1 2 1 4 4 4 7 7 2 3 9 9 8 2 4 9 0 2 2 2 8 8 5 1 5 5 4 5 3 5 5 4 5 6 1 3 5 5 5 9 2 2 7 7 5 3 2 2 2 1 3 3 7 7 3 3 3 4 3 3 8 3 8 3	PTH AZ -71.638 116.491  SCALE PT-P1 0. 0-1 189.51825 1-2 171.53220 2-3 115.76.313 3-4 123.37017 4-5 125.75677 5-6 138.90237 7-8 123.95331 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 109.52187 12-13 113.64833 13-14 120.69363 14-15 122.62686 15-16 106.99563 16-17 131.62428 17-18 147.55355 18-19
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO UATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.0C481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.343 1230.81827 11 -8.886 -29.578 1202.99785 12 -5.883 -33.379 1194.76395 13 -5.653 -79.752 1194.76397 14 -5.394 -25.992 1212.51044 15 -5.097 -21.995 1250.29541 16 -4.748 -17.614 1311.95584 17 -8.237 -17.077 1324.42824 18 -12.498 -16.211 1361.54285 19 -17.215 -14.951 1429.07379 20 -22.738 -13.000 1539.80580	AZS/C -22.5 -36.9 -26.7 -56.7 -68.5 -51.4 -39.8 1-26.5 -9.4 -14.0 -26.9 -78.2 -78.1 -86.0 -88.3 -74.3 -74.3 1-41.1	S A2.7.3 A6.3.2.0.8.8.6.0.4.7.2.5.9.1.3.4.5.6.4.4.3	SEC TO 550.  AZSUN -80.1 -80.1 -80.7 -80.4 -81.1 -81.5 -81.1 -81.5 -81.1 -81.5 -81.1	IMPACT 328  AZA 60.4 53-1 55-6 45-9 45-2 51-3 58-9 67-5 60-0 78-1 30-4 231-3 38-4 44-6	ALT 1192-54916 A• 60-274-56 59-425/11 56-65613 57-76469 59-31206 61-12777 63-62652 61-682243 58-21760 56-65613 53-309-55 54-69791 56-69043 58-14917 60-14735 61-44359 63-50137	ATL  LA  -5  8/A  0.8961  0.9965  0.9965  0.8869  0.9889  0.9988  0.9988  0.9989  0.971  0.8872  0.7989  0.772  0.7725	T LI 395 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -95.3 -95.8 -95.3 -95.8 -95.3 -95.9 -90.2 -85.6 -80.9 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.3 -96.4 -102.3	INCD 18.0588 INCD 69.1 63.2 58.5 66.3 66.3 66.3 67.3 58.5 54.5 68.7 70.0 73.6 67.3 76.1 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5	R 2928-01 PHAZ EMI 39.5 32. 47.5 22. 53.1 9. 47.7 16. 42.3 24. 42.3 24. 47.7 31. 28. 53.1 9. 53.1 9. 53.1 9. 53.1 9. 53.1 9. 53.7 4. 48.2 13. 37.0 34. 36.7 38. 37.0 34. 36.7 38. 37.1 48. 24. 38.1 53. 4. 38.1 53. 4. 38.1 53. 4. 38.1 53. 4. 38.1 53. 4. 38.1 53. 4. 38.1 53. 4. 38.1 53. 4. 38.1 53. 4. 38.2 4. 38.1 53. 4. 38.2 4.	V V 2 4 1 2 8 8 9 1 4 4 2 8 5 1 1 2 8 4 8 9 1 4 4 2 8 5 1 1 2 1 4 4 4 7 7 2 3 - 9 8 2 4 0 0 2 2 2 8 5 1 2 6 6 13 5 5 4 5 3 5 5 4 5 6 13 5 5 6 13 5 5 6 13 5 6 13 5 6 13 5 6 13 5 7 3 3 3 2 2 7 3 3 3 3 3 3 7 3 3 3 2 0 1 2 2 2 0 1	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.53220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.90237 6-7 133.70823 7-8 123.95311 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 109.52187 12-13 113.64833 13-14 120.89363 14-15 132.62686 15-16 106.99563 16-17 131.62428 17-18 147.55355 18-19 176.26303 19-20 166.06682 20-21
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.00481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.343 1230.81827 11 -8.888 -29.578 1202.99785 12 -5.883 -33.379 1194.76395 13 -5.653 -29.752 1194.76397 14 -5.394 -25.992 1212.51044 15 -5.097 -21.995 1250.29541 16 -4.748 -17.614 1311.95584 17 -8.237 -17.077 1324.4282 18 -12.498 -16.211 1361.54285 19 -17.215 -14.951 1429.07379 20 -22.738 -13.000 1539.80580 21 -22.286 -18.915 1445.23581	AZS/C -22-5 -36-9 -26-9 -56-7 -68-5 -51-4 -39-8 1-26-5 -78-1 -86-0 -87-6 -88-3 -74-3 -60-3 1-41-1 2-31-9 1-20-5	S A663.20886.047.2591.344.317.068.860.47.2591.344.31.76.668.868.868.87.2591.344.31.76.668.87.8888.88888.88888888888888888	SEC 10 550. AZSUN -80.7 -80.1 -81.5 -81.9 -82.8 -80.9 -78.5 -81.1 -81.1 -81.5 -81.1 -81.5 -81.1 -81.5 -81.1 -81.5 -81.7 -81.5	IMPACT 328  AZA 600-1 55-6 45-9 37-9 45-2 55-6 0-2 255-6 0-48-7 38-4 45-6 50-0 56-8	ALT 1192-54916 60-27456 59-425/1 56-65613 57-76469 59-31206 61-12777 63-62652 61-8227 60-32443 58-21760 56-65613 53-30955 54-69701 56-69043 58-14917 60-14735 61-44359 63-50137 66-39172 70-63967 67-15434 64-80577	ATL  LA  -5.  8/A  0.9915  0.9965  0.9916  0.8057  0.8057  0.9951  0.9983  0.9983  0.9983  0.980  0.725  0.618  0.768	AS PHOTO  T 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -94.9 -90.2 -85.6 -80.9 -84.2 -90.3 -96.4 -102.3 -101.2 -100.2	INCD 69.1 63.2 66.3 66.3 66.3 68.7 64.3 59.3 58.5 58.0 61.8 65.7 70.0 70.8 72.0 770.6 76.1 70.6 66.0 66.0 76.1 70.6 66.0 76.1 70.6 66.0 76.1 70.6 66.0 76.1 70.6 76.1 70.0 70.0	R 2928-0 PHAZ EMI 39.5 32.47.5 22.53.1 9,47.7 16.42.0 29,42.3 37.47.7 31.1 28.52.9 18.53.1 9.58.7 4.53.1 28.52.9 18.33.1 44.30.22.37.8 32.37.0 34.7 38.37.1 44.30.22.46.48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 48.4 41.4 41	V 2.130 S ALPHA 1 28.8 9 14.2 8 5.1 12 14.4 7 23.9 8 24.0 0 2 22.8 5 12.6 6 3 2.7 7 4.6 5 12.6 6 13.5 7 9.2 7 7 1.3 33.7 32.0 13 33.7 3 32.0 3 32.0 12 20.1 2 9.3	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189-51825 1-2 171.95220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.90237 7-8 123.95331 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 109.2187 12-13 113.64833 13-14 120.89363 14-15 120.2686 15-16 106.89563 16-17 131.62428 17-18 147.55355 18-19 176.26303 19-20 166.06882 20-21 143.21422 21-22
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUIO DATA PT LAT LON RANGE 1 -11,352 -19,062 1308,88892 2 -12,688 -25,311 1250,42746 3 -8,888 -29,578 1202,9785 4 -8,686 -25,717 1221,23160 5 -8,471 -21,603 1260,31706 6 -12,580 -20,997 1292,36169 7 -17,093 -20,153 1351,00481 8 -17,064 -24,771 1304,06870 9 -17,104 -29,053 1281,84756 10 -12,818 -29,343 1230,8182/ 11 -8,888 -29,578 1202,99785 12 -5,883 -33,379 1194,76395 13 -5,653 -79,752 1194,75627 14 -5,394 -25,992 1212,51044 15 -5,097 -21,995 1250,29541 16 -4,748 -17,614 1311,9584 17 -8,237 -17,077 1324,42824 18 -12,498 -16,211 1361,54285 19 -17,215 -14,951 1429,7379 20 -22,738 -13,000 1539,80580 21 -22,286 -18,915 1445,23581 22 -22,053 -24,015 1389,4112 23 -21,967 -28,673 1389,4112	AZS/C -22-5 -36-9 -26-9 -56-7 -68-5 -51-4 -39-8 1-26-5 -9-4 -14-0 -26-9 -78-2 -78-2 -78-3 -74-3 -49-4 1-41-1 2-31-9 1-20-5 1-20-5 1-20-5	S A663208860047259134431705050505050505050505050505050505050505	SEC 10 550. AZSUN -80.7 -80.7 -80.4 -81.1 -81.9 -80.9 -79.5 -80.4 -81.5 -81.5 -81.5 -81.5 -81.5 -81.5 -81.5 -81.5 -81.6 -78.9	IMPACT 328  AZA 60.4 53.1 55.6 9 37.9 251.3 967.5 251.3 967.5 26.0 60.0 738.1 30.43 311.3	ALT 1192-54916 59-425/11 56-65613 57-76469 59-31206 61-12777 63-62652 61-68227 60-32443 58-21760 56-65613 53-30955 54-69791 66-69643 58-14917 60-14735 61-44359 63-5017 70-63967 77-15434 64-80577 76-321073	ATL  LA  -5.  8/A  0.996  0.921  0.994  0.905  0.801  0.804  0.971  0.983  0.988  0.978  0.876  0.877  0.870  0.870  0.870  0.870	AS PHOTO  T 395 -31  AZPHAZ -91.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -94.9 -90.2 -81.6 -80.9 -80.9 -80.0 -79.0 -80.2 -20.3 -94.2 -90.3 -96.4 -102.3 -101.2 -100.2 -99.4	UN .588  INCD 69.1 63.2 66.3 66.3 66.3 66.3 59.3 59.3 59.3 70.6 61.7	R 2928-M 39.5 32.47.5 22.53.1 9.47.7 16.42.3 24.42.3 24.42.3 24.42.3 24.42.3 24.42.3 24.42.3 24.3 24	V 00 4 2-130 1 28-8 8 9 14-2 8 5-1 12 14-4 7 7 23-9 8 24-0 2 12-8 6 5 12-5 -4-3 3 2-7 7 4-6 6 13-5 5 4-2 2 2-7 5 32-2 7 1 33 32-0 1 2 9-3 4 -0-9 9	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.5320 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.90237 7-8 123.95331 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 109.22187 12-13 113.64833 13-14 120.99363 14-15 132.62686 15-16 106.99563 16-17 131.62428 17-18 147.55355 18-19 176.26303 19-20 166.06682 20-21 143.21422 21-22 130.83854 22-23 124.54471 23-24
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11.352 -19.062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.99785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.00481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.343 1230.81827 11 -8.888 -29.578 1202.99785 12 -5.883 -33.379 1194.76395 13 -5.653 -29.752 1194.76397 14 -5.394 -25.992 1212.51044 15 -5.097 -21.995 1250.29541 16 -4.748 -17.614 1311.95584 17 -8.237 -17.077 1324.4282 18 -12.498 -16.211 1361.54285 19 -17.215 -14.951 1429.07379 20 -22.738 -13.000 1539.80580 21 -22.286 -18.915 1445.23581	AZS/C -22-5 -36-9 -26-9 -56-7 -68-5 -51-4 -39-8 1-26-5 -9-4 -14-0 -26-9 -78-1 -86-0 -87-6 -88-3 -74-3 -60-3 1 -41-1 2-31-9 1 -21-9 1 -21-9 1 -21-9 -21	S A663.20886.047.2591.344.317.068.860.47.2591.344.31.76.668.868.868.87.2591.344.31.76.668.87.8888.88888.88888888888888888	SEC 10 550. AZSUN -80.7 -80.1 -81.5 -81.9 -82.8 -80.9 -78.5 -81.1 -81.1 -81.5 -81.1 -81.5 -81.1 -81.5 -81.1 -81.5 -81.7 -81.5	IMPACT 328  AZA 600-1 55-6 45-9 37-9 45-2 55-6 0-2 255-6 0-48-7 38-4 45-6 50-0 56-8	ALT 1192-54916 59-425/11 56-65613 57-76469 59-31206 61-12777 63-62652 61-68227 60-32443 58-21760 56-65613 53-30955 54-69791 66-69043 58-14917 60-14735 61-44359 63-39172 70-63967 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577	ATL  LA  -5.  8/A  0.4956 0.921 0.995 0.916 0.871 0.804 0.871 0.804 0.871 0.804 0.971 0.983 0.988 0.904 0.971 0.903 0.708	AS PHOTO  T 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -95.3 -95.3 -94.9 -90.2 -81.6 -80.9 -80.9 -80.0 -79.0 -80.1 -90.3 -96.4 -102.3 -101.2 -100.2 -90.3 -90.2 -90.3	UN -588 INC D 69-1 69-5 62-3 66-3 66-3 66-3 66-3 66-3 770-8 68-7 770-8 66-7 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770-8 770	R 2928-0 PHAZ EM 39.5 32.5 447.5 22.5 53.1 9.47.7 16.42.3 27.47.7 31.53.1 9.58.7 4.8.2 37.8 32.3 1.9 3.6 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.7 4.2 3.7 8.8 3.7 8.8 3.7 8.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	V 2-130 1 28.8 9 14.2 8 5.1 12 14.4 7 7 23.9 8 24.0 2 2.8 6 5 12.6 6 13.5 5 -4.3 3 7 3.3 32.7 7 3.3 32.3 2 20.1 2 2 9.3 4 -0.9 9 1 -10.7 1 -6.8	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.35220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 133.70823 7-8 123.395311 8-90 119.23277 10-11 146.00094 11-12 109.5182 12-13 113.64833 13-14 120.69363 16-17 131.62428 17-18 147.55355 18-19 176.26303 19-20 166.06682 20-21 143.21422 21-22 130.83854 22-23 124.56471 23-24
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO UATA PT LAT LON RANGE 1 -11,352 -19,062 1308.88892 2 -12.688 -25.311 1250.42746 3 -8.888 -29.578 1202.9785 4 -8.686 -25.717 1221.23160 5 -8.471 -21.603 1260.31706 6 -12.580 -20.997 1292.36169 7 -17.093 -20.153 1351.00481 8 -17.064 -24.771 1304.06870 9 -17.104 -29.053 1281.84756 10 -12.818 -29.343 1230.81827 11 -8.888 -29.578 1202.99785 12 -5.883 -33.379 1194.76395 13 -5.653 -79.752 1194.7627 14 -5.394 -25.992 1212.51044 15 -5.097 -21.995 1250.29541 16 -4.748 -17.614 1311.95584 17 -8.237 -17.7077 1324.2824 18 -12.498 -16.211 1361.54285 19 -17.215 -14.951 1429.7379 20 -22.738 -13.000 1539.80580 21 -22.286 -18.915 1445.23581 22 -22.053 -24.015 1389.41112 23 -21.967 -28.673 1362.51880 24 -21.999 -33.108 1359.87395 25 -17.203 -33.154 1280.95512 26 -12.968 -33.220 1230.77632	AZS/C -22-5 -36-9 -26-9 -26-7 -68-5 -51-4 -39-8 1 -26-5 -9-4 -14-0 -87-6 -88-3 -74-3 -60-3 1 -41-1 2 -31-9 1 -7-1 9-5 14-1	S A66.3.20.886.00.47.25.91.34.4.31.7.0.65.05.0.886.00.47.25.91.34.4.31.7.0.65.05.0.65.48	SEC 100 550. AZSUN -80.7 -80.1 -80.9 -81.1 -81.9 -82.8 -80.9 -78.9 -80.4 -81.5 -81.4 -81.5 -81.1 -81.4 -81.5 -81.5 -81.1 -81.9 -83.2 -84.7 -84.6 -78.9 -78.9	IMPACT 328  A2A 60.4 53.1 55.6 645.9 37.9 67.5 62.6 60.0 60.0 31.3 38.4 44.3 31.3 38.4 650.0 663.8 71.7 376.9	ALT 1192-54916 60-27456 59-425/11 56-65613 57-76469 59-31206 61-12777 63-62652 61-8227 60-32443 58-21760 56-65613 58-121760 56-65043 58-14917 60-14735 61-44359 63-50137 76-3967 67-15434 64-80577 63-21073 62-19088 59-43112 57-40916	ATL  LA  -5.  8/A  0.996  0.921  0.995  0.916  0.8191  0.994  0.971  0.983  0.994  0.971  0.984  0.971  0.986  0.971  0.987  0.972  0.874  0.725  0.6786  0.725  0.8760  0.725  0.8760  0.725  0.8760  0.725  0.8760  0.725  0.8760  0.725	AS PHOTO  T 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.2 -81.6 -85.2 -81.6 -85.2 -90.3 -94.9 -90.2 -81.6 -80.9 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.3 -90.2 -90.3 -90.3 -90.2 -90.3 -90.3 -90.4 -102.3 -90.3 -90.4 -98.7	UN .588 INCD 69.1 69.1 69.1 66.3 67.3 66.3 58.5 54.5 60.3 70.8 60.3 70.8 60.3 70.8 60.6 60.7 70.8 60.6 60.7 70.8 60.5 70.5 70.8 60.5 70.8 60.5 70.8 60.5 70.8 60.5 70.8 60.5 70.8 60.5 70.5 70.8 60.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 7	R 2928-0 PHAZ EMI 39.5 32.4 47.5 32.5 53.1 9, 42.3 24, 47.7 31.1 53.1 9.5 52.9 18. 53.1 9. 53.5 4. 48.2 13. 43.0 22. 37.8 32. 37.0 34. 36.7 38. 37.1 44. 36.1 53.7 48.4 36.7 38. 58.4 48.4 41. 53.7 38. 58.4 48.4 41. 53.7 38. 58.4 28. 58.6 58.5 58.5 28.5 58.5 58.5 58.5 58.5 58.5	V V 2.130 S ALPHA 8 9 14.2 8 5.1 12 14.4 9 7 23.9 8 5.1 15 -4.3 3 2.7 7 4.6 6 13.5 9 22.7 1 33.7 1 33.7 1 33.2 0 2 20.1 2 9.3 4.3 1 9.3 2.0 1 2 9.3 1 4 -0.7 1 -6.8 7 -4.7 -4.7 -4.7 -4.7	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.5220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 138.90237 7-8 123.95331 8-9 130.11332 9-10 119.23277 10-11 146.00094 11-12 149.92182 12-13 113.64833 13-14 120.99363 14-15 132.62686 15-16 106.19553 16-17 131.62428 17-18 147.5355 18-19 176.26303 19-20 166.06682 20-21 143.21422 21-22 130.838547 22-23 124.5447 23-24 145.28337 24-25
JULY 31,1964 13 HR 16 MIN 38  TRAJECTORY DATA  PHUTO DATA PT LAT LON RANGE 1 -11,352 -19,062 1308,88892 2 -12,688 -25,311 1250,42746 3 -8,888 -29,578 1202,99785 4 -8,686 -25,717 1221,23160 5 -8,471 -21,603 1260,31706 6 -12,580 -20,997 1292,36169 7 -17,094 -24,771 1304,06870 9 -17,104 -29,053 1281,00481 8 -17,064 -24,771 1304,06870 9 -17,104 -29,053 1281,84756 10 -12,818 -29,343 1230,81827 11 -8,888 -29,578 1202,99785 12 -5,883 -33,379 1194,76395 13 -5,653 -29,752 1194,75627 14 -5,394 -25,992 1212,51044 15 -5,097 -21,995 1250,29541 16 -4,748 -17,014 1311,9584 17 -8,237 -17,077 1324,42624 18 -12,498 -16,211 1361,54285 19 -17,215 -14,951 1429,07379 20 -22,738 -13,100 1339,80832 21 -22,286 -18,915 1445,23861 22 -22,053 -24,015 1389,4112 23 -21,997 -33,108 1359,87395 25 -17,203 -33,108 1359,87395 25 -17,203 -33,154 1280,95512	AZS/C -22.5 -36.9 -26.7 -68.5 -51.4 -39.8 1-26.5 -9.4 -14.0 -26.9 -78.1 -86.0 -87.6 -88.3 -74.3 -41.1 2-31.9 1 -20.5 1 -7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	S A663.20.886.047.2591.344.31.7665.050.050.050.050.050.050.050.050.050.	SEC 10 550. AZSUN 1-80.7 -80.7-80.4 -81.1 -81.9 -81.9 -80.9 -79.5 -80.4 -81.4 -81.5 -81.5 -81.9 -81.6 -81.9 -84.7 -81.6 -81.9	IMPACT 328  AZA 400.4 53.1 55.6 45.9 37.9 58.9 67.2 55.60 48.1 30.4 24.3 31.4 44.6 50.6 63.8 7 80.9 72.8	ALT 1192-54916 59-425/11 56-65613 57-76469 59-31206 61-12777 63-62652 61-68227 60-32443 58-21760 56-65613 53-30955 54-69791 66-69043 58-14917 60-14735 61-44359 63-39172 70-63967 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577 70-15434 64-80577	ATL  LA  -5.  8/A  0.4956 0.921 0.995 0.915 0.871 0.807 0.875 0.889 0.955 0.918 0.972 0.972 0.972 0.972 0.973 0.983 0.988	AS PHOTO  I 1 395 -31  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -94.9 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -100.2 -90.3 -94.5 -90.2	UN .588 INCD 69.1 669.1 669.3 662.3 662.3 662.3 662.3 662.3 762.0 662.0	R 2928-0 PHAZ EM 39.5 32.5 447.5 22.5 53.1 9.47.7 16.42.3 27.47.7 31.53.1 9.58.7 4.8.2 37.8 32.3 1.9 3.6 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.1 9.5 3.7 4.2 3.7 8.8 3.7 8.8 3.7 8.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	V 2.130 1 28.8 9 14.2 8 5.1 12 14.4 7 7 23.9 8 24.0 2 22.8 5 12.6 6 5 12.6 6 13.5 5 4.5 6 13.5 5 4.5 3 2.2 1.3 3 4.3 3 3.7 3 3 4.3 3 3.7 3 3 4.3 3 3 2.0 1 2 20.1 1 3.7 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PTH AZ -71.638 116.491  SCALE PT-PT 0. 0-1 189.51825 1-2 171.35220 2-3 115.76313 3-4 123.37017 4-5 125.75677 5-6 133.70823 7-8 123.395311 8-90 119.23277 10-11 146.00094 11-12 109.5182 12-13 113.64833 13-14 120.69363 16-17 131.62428 17-18 147.55355 18-19 176.26303 19-20 166.06682 20-21 143.21422 21-22 130.83854 22-23 124.56471 23-24

1111 V 21 1054 12 10 14 HTN 42	CCC E02 HC	TAB NO	93	ATLAS PHOTO NO	93	POD SEQUENCE NO 192
JULY 31,1964 13 HR 16 MIN 43	2EC 2A5 W2					
TRAJECTORY DATA		SEC TO IMPACT 545.208	ALT 1182-19308	LAT LUN -5.425 -31.527	R 2917.648	V PTH AZ 2.133 -71.594 116.483
PHOTO DATA						
PT LAT LON RANGE	AZS/C AZN		A.		D PHAZ EMIS A	
1 -11.343 -19.081 1297.64052			59.76431 (		1 39.6 32.1	
2 -12.674 -25.258 1239.89818 3 -8.906 -29.491 1192.70956	-37.1 6.3		58 92531 (			14.2 187.40559 1- 2
	-27.3 3.2	-80.4 55.4	56.17162 (		6 53.1 9.9	5.2 169.94173 2-3
4 -8.706 -25.661 1210.93835 5 -8.493 -21.581 1249.78859	-56.8 5.1 -68.5 6.8	-81.1 45.8 -81.5 37.9	57.27775 ( 58.81645 (			14.4 114.80364 3- 4
6 -12.568 -20.980 1281.57433	-51.5 8.8	-81.9 45.1	60.61756			23.9 122.36394 4- 5
7 -17.041 -20.144 1339.63095	-39.8 11.5	-82.9 51.2	63.09089			24.0 124.70842 5- 6 22.8 137.69724 6- 7
8 -17.012 -24.723 1293.00647	-26.7 8.0	-80.9 58.8	61.15896			22.8 137.69724 6- 7 12.6 132.60764 7- 8
9 -17.051 -28.967 1270.80806	-9.6 4.5	-79.0 67.2	59.80479		4 53.1 28.2	2.8 122.92348 8- 9
10 -12.802 -29.256 1220.29730	-14.3 3.7		57.71998		4 52.9 18.7	4.7 128.96477 9-10
11 -8.906 -29.491 1192.70956	-27.3 3.2		56.17162		6 53.1 9.9	5.2 118.21407 10-11
12 -5.927 -33.260 1184.29404	77.2 1.5	-81.1 59.7	52.83479			-4.1 144.75070 11-12
13 -5.698 -29.664 1184.48283	-77.8 2.9	-81.4 48.6	54.23477		1 53.5 4.6	4.6 108.57093 12-13
14 -5.441 -25.935 1202.22943	-85.8 4.2	-81.5 38.1	56.20952 (			13.6 112.70015 13-14
15 -5.147 -21.970 1239.78416	-87.5 5.3	-81.4 30.5	57.65996 (			22.7 119.90031 14-15
16 -4.801 -17.625 1300.94116	-88.2 6.4	-81.1 24.4	59.64196 (			32.2 131.51891 15-16
17 -8.261 -17.092 1313.37985	-74.3 8.4	-81.9 31.4	60.93092 (			33.7 106.00908 16-17
18 -12.486 -16.233 1350.18076	-60.3 11.3	-83.2 38.4	62.97159			34.3 130.52448 17-18
19 -17.162 -14.988 1417.00191	-49.4 15.0		65.83708 (			33.6 146.24855 18-19
20 -22.632 -13.065 1526.34605	-41.1 20.6	-88.6 49.9				31.9 174.47267 19-20
21 -22.186 -18.921 1432.76965	-32.0 15.5	-84.7 56.4	66.57496 (	.709 -101.2 70.		20-1 164-52546 20-21
22 -21.953 -23.974 1377.37975	-20.6 10.6	-81.7 63.6	64.24431 (		0 48.4 41.1	9.3 141.99439 21-22
23 -21.867 -28.590 1350.54922	-7.2 5.6	-79.0 /1.5	02.035U8 U	J.8UZ -99.4 61.	8 53.7 38.3	0.8 129.73247 22-73
24 -21.896 -32.982 1347.65143	6.9 0.5	-76.4 80.0	61.63159 (	0.816 -98.7 57.	8 58.9 38.0 -	10.5 123.44368 23-24
25 -17.147 -33.032 1269.68198	9.2 0.8	-77.0 76.6	58.90802 (	0.902 -94.5 56.		-6.7 143.85600 24-25
26 -12.950 -33.100 1220.03716	13.7 1.1	-78.2 72.5	56.90832 (		7 58.2 18.6	-4.6 127.13785 25-26
27 -9.098 -33.180 1192.69785	26.3 1.3	-79.7 65.0	55.02181 (	.993 -85.9 55.		-3.8 116.68150 26-27
28 -5.927 -33.260 1184.29404	77.2 1.5	-81.1 59.7	52.83479 (	0.970 -82.2 54.	6 58.7 4.4	-4.1 96.08566 27-28
HILV 21 1044 13 HO 14 MIN 40	CEC 712 MC	TAB NO	94	ATLAS PHOTO NO		POD SEQUENCE NO 194
JULY 31,1964 13 HR 16 MIN 48	SEC 712 MS	TAB NO	94	ATLAS PHOTO NO		POD SEQUENCE NO 194
	SEC 712 MS				94	•
JULY 31,1964 13 HR 16 MIN 48 TRAJECTORY DATA	SEC 712 MS	SEC TO IMPACT	ALT	LAT LON	94 R	V PTH AZ
TRAJECTORY DATA	SEC 712 MS				94 R	•
TRAJECTORY DATA PHOTO DATA		SEC TO IMPACT 540.088	ALT 1171-82620	LAT LON -5.455 -31.466	94 R 2907.281	V PTH AZ 2.136 -71.549 116.475
TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	AZS/C AZN	SEC TO IMPACT 540.088 AZSUN AZA	ALT 1171-82620	LAT LON -5.455 -31.466 B/A AZPHAZ ING	94 R 2907.281 D PHAZ EMIS A	V PTH AZ 2.136 -71.549 116.475 LPHA SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11-334 -19-100 1286.37848	AZS/C AZN -22.8 6.7	SEC TO IMPACT 540.088 AZSUN AZA -80.2 60.1	ALT 1171-82620 A* 59-25307 (	LAT LON -5.455 -31.466 B/A AZPHAZ INC 0.896 -93.5 69.	94 R 2907.281 D PHAZ EMIS A 0 39.6 32.0	V PTH AZ 2.136 -71.549 116.475 LPHA SCALE PT-PT 28.7 0. 0-1
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11-334 -19-100 1286-37848 2 -12-660 -25-207 1229-34456	AZS/C AZN -22.8 6.7 -37.2 6.3	SEC TO IMPACT 540.088 AZSUN AZA -80.2 60.1 -80.8 52.8	ALT 1171-82620 A* 59.25307 ( 58.42376 (	LAT LON -5.455 -31.466 B/A AZPHAZ INC 0.896 -93.5 69. 1.921 -90.2 63.	94 R 2907.281 D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0	V PTH AZ 2.136 -71.549 116.475 LPHA SCALE PT-PT 28.7 0. 0-1 14-3 185.33686 1-2
TRAJECTORY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.3455 3 -8.924 -29.405 1182.40742	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2	SEC TO IMPACT 540.088 AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2	ALT 1171-82620 A+ 59.25307 ( 58.42376 ( 55.68646 (	LAT LON -5.455 -31.466  B/A AZPHAZ INC 0.896 -93.5 69. 0.921 -90.2 63.	94 R 2907.281 D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9	V PTH AZ 2.136 -71.549 116.475 LPHA SCALE PT-PT 28.7 0. 0-1 14.3 185.33686 1-2 5.3 168.52600 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.334 - 19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1	SEC TO IMPACT 540.088 AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7	ALT 1171-82620 A* 59.25307 ( 55.68646 ( 56.78972 (	LAT LON -5.455 -31.466 8/A AZPHAZ IN 0.896 -93.5 69. 0.921 -90.2 63. 0.994 -85.6 58.	94 R 2907.281 D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3	V PTH AZ 2-136 -71.549 116.475 LPHA SCALE PT-PT 28.7 0. 0.1 14.3 185.33686 1-2 5.3 168.52600 2-3 14.5 113.84111 3-4
TRAJECTORY DATA  PHOTO DATA  PY LAY LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.560 1239.22702	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8	SEC TO IMPACT 540.088 AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7 -81.5 37.9	ALT 1171-82620 A* 59-25307 ( 58-42376 ( 55-68646 ( 56-78972 ( 58-31930 (	LAT LON -5.455 -31.466  B/A AZPHAZ INC 1.896 -93.5 69.   0.921 -90.2 63.   0.994 -85.6 58.   0.964 -85.2 62.   0.916 -84.8 66.   0.916 -84.8 66.	94 R 2907.281 D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.3 24.8	V PTH AZ 2-136 -71.549 116.475 LPHA SCALE PT-PT 28.7 0. 0-1 14-3 185.33686 1-2 5.3 168.52600 2-3 14.5 113.84111 3-4 23.9 121.33210 4-5
TRAJECTORY DATA  PHOTO DATA  PY LAY LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.560 1239.22702	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8	SEC 10 IMPACT 540.088 AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7 -81.5 37.9 -81.9 45.1	ALT 1171-82620 A* 59-25307 ( 58-42376 ( 55-68646 ( 56-78972 ( 58-31930 ( 60-10570 (	LAT LON -5.455 -31.460 8/A AZPHAZ INC 8/86 -93.5 69 9.921 -90.2 63 0.994 -85.6 58 0.994 -85.2 62 9.916 -84.8 66 0.871 -90.3 67	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.3 24.8 4 42.0 29.8	V PTH AZ 2.136 -71.549 116.475  LPHA SCALE PT-PT 28.7 0. 0-1 14.3 185.33686 1-2 5.3 168.52600 2-3 14.5 113.84111 3-4 23.9 121.35210 4-5 24.1 123.65639 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.550 1239.22702 6 -12.555 -20.964 1270.75189 7 -16.989 -20.136 1328.22034	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8 -51.5 8.8	SEC 10 IMPACT 540.088 AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7 -81.5 37.9 -81.9 45.1	ALT 1171-82620 AP 59-25307 ( 58-42376 ( 56-78972 ( 58-31930 ( 60-10570 ( 62-55353 (	LAT LON -5.455 -31.466  B/A AZPHAŁ INC	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.3 24.8 4 42.0 29.8 4 42.0 37.1	V PTH AZ 2-136 -71.549 116.475 LPHA SCALE PT-PT 28.7 0. 0-1 14-3 185.33686 1-2 5.3 168.52600 2-3 14-5 113.84111 3-4 23.9 121.35210 4-5 24-1 123.65639 5-6 22-8 136.48844 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.550 1239.22702 6 -12.555 -20.964 1270.75189 7 -16.989 -20.136 1328.22034	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8 -51.5 8.8 -39.9 11.5	SEC TO IMPACT 540.088 AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7 -81.5 37.9 -81.9 45.1 -82.9 51.1	ALT 1171-82620 A* 59.25307 58.42376 55.68646 56.78972 58.31930 60.10570 62.55353 60.63447	LAT LON -5.455 -31.466  B/A AZPHAZ INC .896 -93.5 69 .921 -90.2 63 .994 -85.6 58 .0.916 -84.8 66 .916 -90.3 67 .805 -95.8 68 .95.87 -95.8 68 .95.87 -95.3 64	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 59.1 9.9 4 47.7 16.3 4 42.3 24.8 4 42.0 29.8 7 42.3 37.1 4 47.7 31.4	V PTH AZ 2.136 -71.549 116.475  LPHA SCALE PT-PT 28.7 0. 14.3 185.33686 1-2 5.3 168.52600 2-3  14.5 113.84111 3-4 23.9 121.35210 4-5 22.8 136.48844 6-7 12.7 131.50022 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.560 1239.22702 6 -12.555 -20.964 1270.75189 7 -16.980 -20.136 1328.22034 8 -16.980 -24.676 1281.91933 9 -16.997 -28.883 1259.75482	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8 -39.9 11.5 -26.8 8.0	SEC 10 IMPACT 540.088  AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7 -81.5 37.9 -81.9 45.1 -82.9 51.1 -80.9 58.6 -79.1 67.0	ALT 1171-82620 A* 59.25307 (55.68646 (56.78972 (60.10570 (62.55353 (60.63447	LAT LON -5.455 -31.466  B/A AZPHAZ INC   0.896 -93.5 69   0.991 -90.2 63   0.994 -85.6 58   0.964 -85.2 62   0.916 -84.8 66   0.805 -95.8 68   0.805 -95.8 68   0.805 -95.8 64   0.805 -95.8 64   0.805 -95.8 64   0.805 -95.8 64   0.807 -95.8 64   0.809 -95.8 64	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.3 24.8 4 42.0 29.8 7 42.3 37.1 4 47.7 31.4 53.1 28.2	V PTH AZ 2-136 -71.549 116.475  LPHA SCALE PT-PT 28.7 0. 0-1 14-3 185.33686 1-2 5.3 168.52600 2-3 14-5 113.84111 3-4 23.9 121.35210 4-5 24-1 123.65639 5-6 22.8 136.48844 6-7 12.7 131.50022 7-8 2-9 121.89006 8-9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.560 1239.22702 6 -12.555 -20.964 1270.75189 7 -16.989 -20.136 1328.22034 8 -16.960 -24.676 1281.91933 9 -16.997 -28.883 1259.75482 10 -12.786 -29.171 1209.76198	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8 -51.5 8.8 -51.5 8.8 -39.9 11.5 -26.8 8.0 -9.8 4.5	SEC TO IMPACT 540-088  AZSUN AZA -80-2 60-1 -80-8 52-8 -80-4 55-2 -81-1 45-7 -81-5 37-9 -81-9 51-1 -82-9 51-1 -82-9 58-6 -79-1 67-0 -79-6 61-8	ALT 1171-82620 59-25307 (55-68646 (56-78972 (60-10570 (60-5355) (60-63447 (59-28453 (57-22158 (5	LAT LON -5.455 -31.466  B/A AZPHAZ INC .896 -93.5 69.  9.921 -90.2 63.  1.994 -85.6 58.  1.994 -85.6 58.  1.994 -85.6 66.  1.916 -84.8 66.  1.805 -95.8 68.  1.805 -95.8 68.  1.809 -94.9 60.  1.951 -90.2 59.	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.0 29.8 7 42.3 37.1 4 77.7 31.4 5 53.1 28.2 5 52.9 18.7	V PTH AZ 2.136 -71.549 116.475  LPHA SCALE PT-PT 28.7 0. 14.3 185.33686 1-2 5.3 168.52600 2-3 14.5 113.84111 3-4 23.9 121.33210 4-5 24.1 123.65639 5-6 22.8 136.48844 6-7 12.7 131.50022 7-8 2-9 121.89006 8-9 4-8 127.81538 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.334 - 19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.560 1239.22702 6 -12.555 -20.964 1270.75189 7 -16.989 -20.136 1328.22034 8 -16.960 -24.676 1281.91933 9 -16.997 -28.883 1259.75482 10 -12.786 -29.171 1209.76198 11 -8.924 -29.405 1182.40742	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8 -31.5 8.8 -39.9 11.5 -26.8 8.0 -9.8 4.5 -14.6 3.8	SEC 10 IMPACT 540.088  AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7 -81.5 37.9 -81.9 51.1 -82.9 51.1 -82.9 51.1 67.0 -79.6 61.8 -80.4 55.2	ALT 1171-82620 A• 59-25307 (58-42376 (55-68646 (6-10570 (	LAT LON -5.455 -31.466  B/A AZPHAZ INC -8.866 -93.5 69 -9.21 -90.2 63.294 -85.6 58.2 62.2916 -84.8 66.2871 -90.3 67.2805 -95.8 68.2871 -95.3 64.2889 -94.9 60.2951 -90.2 59.294 -85.6 58.	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.3 24.8 4 42.0 29.8 7 42.3 37.1 4 77.7 31.4 5 53.1 28.2 5 52.9 18.7 7 53.1	V PTH AZ 2.136 -71.549 116.475  LPHA SCALE PT-PT 28.7 0. 0-1 14.3 185.33866 1-2 5.3 168.52600 2-3 14.5 113.84111 3-4 23.9 121.35210 4-5 24.1 123.65639 5-6 22.8 136.48844 6-7 12.7 131.50022 7-8 2.9 121.89006 8-9 4.8 127.81538 9-10 5.3 117.19400 10-11
TRAJECTORY DATA  PHOTO DATA  PY LAT LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.6218 5 -8.515 -21.560 1239.22702 6 -12.555 -20.964 1270.75189 7 -16.989 -20.136 1328.22034 8 -16.960 -24.676 1281.91933 9 -16.997 -28.883 1259.75482 10 -12.786 -29.171 1209.76198 11 -8.924 -29.405 1182.40742 12 -5.971 -33.141 1173.82066	AZS/C AZM -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.9 6.8 -51.5 8.8 -39.9 11.5 -26.8 8.0 -9.8 4.5 -14.6 3.8 -27.7 3.2	SEC 10 IMPACT 540-088  AZSUN AZA -80-2 60-1 -80-8 52-8 -80-4 55-2 -81-1 45-1 -80-9 58-6 -79-1 67-0 -79-6 61-8 -80-4 55-2 -81-1 59-3	ALT 1171-82620 59.25307 (58.42376 (65.78972 (65.10570 (66.10570 (6	LAT LON -5.455 -31.460  B/A AZPHAZ INC -886 -93.5 69, -921 -90.2 63, -944 -85.6 58, -946 -85.6 58, -951 -90.3 67, -807 -95.8 68, -857 -95.3 64, -869 -94.9 60, -951 -90.2 59, -994 -85.6 58, -970 -85.2 58,	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 42.3 37.1 4 47.7 31.4 5 53.1 28.2 5 52.9 18.7 7 53.1 9.9 7 53.1 9.9 7 58.7 4.3	V PTH AZ 2.136 -71.549 116.475 LPHA SCALE PT-PT 28.7 0. 14.3 185.33686 1-2 5.3 168.52600 2-3 14.5 113.84111 3-4 23.9 121.35210 4-5 24.1 123.65639 5-6 22.8 136.48844 6-7 12.7 131.50022 7-8 2.9 121.89006 8-9 4.8 127.81538 9-10 5.3 117.19400 10-11 -4.0 143.49926 11-12
TRAJECTORY DATA  PHOTO DATA  PY LAY LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.6218 5 -8.515 -21.560 1239.22702 6 -12.555 -20.964 1270.75189 7 -16.989 -20.136 1328.22034 8 -16.960 -24.676 1281.91933 9 -16.997 -28.883 1259.75482 10 -12.786 -29.171 1209.76198 11 -8.924 -29.405 1182.40742 12 -5.971 -33.141 1173.82066	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8 -39.9 11.5 -26.8 8-0 -9.8 4.5 -14.6 3.8 -27.7 3.2 76.3 1.5	SEC 10 IMPACT 540.088  AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7 -81.5 37.9 -81.9 51.1 -82.9 51.1 -82.9 51.1 67.0 -79.6 61.8 -80.4 55.2	ALT 1171-82620 A- 59.25307 (58.42376 55-68646 (60.10570 (60.10570 (60.555353 (60.63447 (59.28453 (57.22168 (55.36048 (52.36048)	LAT LON -5.455 -31.466  B/A AZPHAZ INC -8.876 -93.5 69, -92.1 -90.2 6394.85.6 5895.8 68	94  R 2907.281  D PHAZ EMIS 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.3 24.8 4 42.0 29.8 7 42.3 37.1 4 47.7 31.4 5 53.1 28.2 7 53.1 9.9 7 58.7 4.3 7 58.7 4.3	V PTH AZ 2.136 -71.549 116.475  LPHA SCALE PT-PT 28.7 0. 0-1 14.3 185.33686 1-2 5.3 168.52600 2-3 14.5 113.84111 3-4 23.9 121.35210 4-5 24.1 123.65639 5-6 22.8 136.48844 6-7 12.7 131.50022 7-8 2.9 121.89006 8-9 4.8 127.81538 9-10 5.3 117.19400 10-11 -4.0 143.49926 11-12 4.7 107.61961 12-13
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.560 1239.22702 6 -12.555 -20.946 1270.75189 7 -16.989 -20.136 1328.22034 8 -16.996 -24.676 1281.91933 9 -16.997 -28.883 1259.75682 10 -12.786 -29.171 1209.76193 11 -8.924 -29.405 1182.40742 12 -5.971 -33.141 1173.82066 13 -5.744 -29.577 1174.11959 14 -5.489 -25.879 1191.92662 15 -5.197 -21.947 1229.24161 16 -4.854 -17.639 1289.88403 17 -8.284 -17.108 1302.28668 18 -12.474 -16.258 1338.7080 19 -17.109 -15.027 1404.87906 20 -22.525 -13.133 1512.83427 21 -22.085 -18.929 1420.2658 22 -21.854 -23.935 1365.32487 23 -21.767 -28.508 1338.56940 24 -22.793 -32.888 1338.56940 25 -17.091 -32.911 1258.40675 26 -12.932 -32.988 1338.56925	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8 -39.9 11.5 -26.8 8.0 -6 -27.7 3.2 76.3 1.5 -77.4 2.6 -6.3 1.5 -49.4 15.0 -49.4 15.0 -49.4 15.0 -49.4 15.0 -49.4 15.0 -49.4 15.0 -6.8 0.6 6.8 0.6 6.8 0.6 6.8	SEC 10 IMPACT 540-088  AZSUN AZA 60-1 -80-2 60-1 -80-8 52-8 -8 -8 -9 51-1 -80-9 58-6 -79-1 67-0 -81-5 38-1 -81-5 38-1 -81-4 48-5 -81-5 -81-5 38-1 -81-4 48-5 -81-1 24-5 -81-5 38-1 -81-4 33-2 38-4 -85-2 44-5 -88-6 56-3 -81-8 63-5 -79-1 71-3 76-5 79-7 77-7 77-7 76-3	ALT 1171-82620 59-25307 (58-42376 (65-55-68646 (65-55553 (65-68646 (65-678972 (65-68646 (65-6864	LAT LON -5.455 -31.466  B/A AZPHAZ INC .886 -93.5 69, .921 -90.2 63, .944 -85.6 58, .964 -85.2 62, .916 -90.3 67, .926 -90.3 67, .926 -90.3 67, .926 -90.3 67, .926 -90.3 67, .927 -90.3 67, .927 -90.3 67, .927 -90.3 67, .927 -90.3 76, .927 -90.3 76, .927 -90.3 76, .927 -90.3 76, .927 -90.3 76, .927 -90.3 76, .937 -90.3 7	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.0 29.8 7 42.3 37.1 4 47.7 31.4 5 53.1 28.2 5 52.9 18.7 7 53.1 9.9 7 58.7 4.3 2 53.5 4.7 7 53.1 9.9 7 58.7 8 43.0 22.9 8 37.0 34.1 9 36.7 38.3 6 37.1 44.7 0 37.8 32.5 8 37.0 34.1 9 36.7 38.3 6 37.1 44.7 0 38.1 53.7 8 43.0 22.9 9 58.9 37.9 9 58.4 26.0 0 48.4 41.0 0 48.4 41.0 0 53.7 88.2 9 58.9 37.9 7 58.4 28.0	V PTH AZ 2.136 -71.549 116.475  LPHA SCALE PT-PT 28.7 0. 14.3 185.33686 1-2 5.3 168.52600 2-3  14.5 113.84111 3-4 23.9 121.35210 4-5 24.1 123.65639 5-6 22.8 136.48844 6-7 12.7 131.50022 7-8 2.9 121.89006 8-9 4.8 127.81538 9-10 5.3 117.19400 10-11 -4.0 143.49926 11-12 4.7 107.61961 12-13 13.6 111.74916 13-14 22.8 118.90172 14-15 32.2 130.40276 15-16 33.7 105.11875 16-17 34.2 129.41950 17-18 33.6 144.93815 18-19 31.9 172.67871 19-20 20.1 162.97230 20-21 9.4 140.76679 12-22 -0.7 128.62234 22-23
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.660 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 4 -8.726 -25.606 1200.62198 5 -8.515 -21.560 1239.22702 6 -12.555 -20.964 1270.75189 7 -16.989 -20.136 1328.22034 8 -16.980 -24.676 1281.91933 9 -16.997 -28.883 1259.75482 10 -12.786 -29.171 1209.76198 11 -8.924 -29.405 1182.40742 12 -5.971 -33.141 1173.82066 13 -5.744 -29.577 1174.19659 14 -5.489 -25.879 1191.92662 15 -5.197 -21.947 1229.2416 16 -4.854 -17.108 1302.28668 18 -12.474 -16.258 1338.77080 19 -17.109 -15.027 1404.87906 20 -22.525 -13.133 1512.83427 21 -22.085 -18.929 1420.26653 22 -21.854 -23.935 1365.32687 23 -21.767 -28.508 1338.56940 24 -21.793 -32.858 1338.56940 24 -21.793 -32.858 1335.56940 27 -9.115 -33.002 11829.29391 27 -9.115 -33.002 1182.9952	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -68.5 6.8 -51.5 8.8 -51.5 8.8 -79.9 11.5 -26.8 8.0 -9.8 4.5 -14.6 3.8 -27.7 3.2 -27.7 3.2 -27.4 2.9 -85.6 4.2 -87.4 5.3 -88.1 6.4 -74.2 8.4 -74.2 8.4 -74.2 8.4 -74.2 15.5 -32.1 15.5 -20.7 10.5 -6.8 0.6 -6.8 0.6 -6.9 0.9	SEC TO IMPACT 540.088  AZSUN AZA -80.2 60.1 -80.8 52.8 -80.4 55.2 -81.1 45.7 -79.1 67.0 -79.6 61.8 -80.4 55.2 -81.1 59.3 -81.4 48.5 -81.5 38.1 124.5 -81.6 38.2 44.5 -81.8 63.5 -81.9 31.4 -83.2 44.5 -881.8 63.5 -79.1 71.3 -81.8 63.5 -79.1 71.3 -81.8 63.5 -79.1 71.3 -77.1 76.3 -78.2 72.1	59.25307 (58.42376 (6.10576) (6.10576) (6.10576) (6.10576) (6.25535) (6.10576) (6.25535) (6.10576) (6.25535) (6.10576) (6.1057	LAT LON -5.455 -31.466  B/A AZPHAZ INC .896 -93.5 69, .921 -90.2 63, .994 -85.6 58, .964 -85.2 62, .916 -94.8 66, .887 -90.2 59, .994 -85.6 58, .987 -80.2 54, .988 -81.6 58, .987 -80.9 61, .970 -82.2 54, .988 -81.6 58, .987 -80.9 61, .970 -90.3 71, .799 -90.3 71, .799 -90.3 71, .796 -90.3 71, .796 -90.3 76, .877 -79.0 70, .887 -80.9 61, .987 -80.9 61, .987 -80.9 61, .987 -90.3 71, .796 -90.3 71, .796 -90.3 76, .796 -100.2 66, .887 -99.4 75, .993 -99.5 56, .995 -99.5 56, .995 -99.5 56, .996 -90.2 55, .996	94  R 2907.281  0 PHAZ EMIS 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.3 24.8 4 42.0 29.8 7 42.3 37.1 5 53.1 28.2 5 52.9 18.7 7 53.1 9.9 2 53.5 4.7 9 48.2 13.7 9 48.2 13.7 9 48.2 13.7 9 48.2 13.7 9 48.3 37.0 34.1 9 36.7 38.3 37.1 4.7 0 38.1 53.1 0 34.1 9 36.7 38.3 37.1 4.7 0 38.3 37.0 4.1 0 48.4 41.0 0 48.5 41.0 0 48.5 41.0 0 48.5 41.0 0 58.9 37.9 7 58.9 37.9	V PTH AZ 2.136 -71.549 116.475  28.7 0. 10-1  14.3 185.33686 1-2  5.3 166.52600 2-3  14.5 113.84111 3-4  23.9 121.35210 4-5  24.1 123.65639 5-6  22.8 136.48844 6-7  12.7 131.50022 7-8  2.9 121.89006 8-9  4.8 127.81538 9-10  5.3 117.19400 10-11  4.7 107.61961 12-13  13.6 111.74916 13-14  22.8 118.90172 14-15  33.7 105.11875 16-17  33.7 105.11875 16-17  33.1 17.49926 17-18  33.6 14.93815 18-19  33.6 14.93815 18-19  33.1 17.49767 17-18  33.6 14.93815 18-19  33.1 17.49767 17-18  33.6 14.93815 18-19  33.1 16.90767 21-22  0.1 162.97230 20-21  9.4 140.76679 21-22  0.7 128.62234 22-23  10.3 122.34262 23-24-65
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.334 -19.100 1286.37848 2 -12.606 -25.207 1229.34456 3 -8.924 -29.405 1182.40742 5 -8.515 -21.560 1200.62198 5 -8.515 -21.560 1239.22702 6 -12.555 -20.946 1270.75189 7 -16.989 -20.136 1328.22034 8 -16.997 -28.883 1259.75482 10 -12.786 -29.171 1209.76198 11 -8.924 -29.405 1182.40742 12 -5.971 -33.141 1173.82066 13 -5.744 -29.577 1174.19659 14 -5.489 -25.879 1191.92662 15 -5.197 -21.947 1229.24161 16 -4.854 -17.639 1289.88403 17 -8.284 -17.108 1302.28668 18 -12.474 -16.258 1338.7080 19 -17.109 -15.027 1404.87906 20 -22.525 -13.133 1512.83427 21 -22.085 -18.929 1420.2658 22 -21.854 -23.935 1365.32487 23 -21.767 -28.508 1338.543257 25 -17.091 -32.911 1258.40675 26 -12.932 -32.988 1335.543257 25 -17.091 -32.911 1258.40675	AZS/C AZN -22.8 6.7 -37.2 6.3 -27.7 3.2 -56.8 5.1 -58.5 6.8 -39.9 11.5 -26.8 4.5 -14.6 3.18 -27.7 3.2 76.3 11.5 -27.7 3.2 76.3 11.5 -85.6 4.2 -87.4 5.3 -88.1 6.4 -60.3 11.3 -49.4 15.0 -41.2 20.5 -32.1 15.5 -71.4 5.6 -80.6 -9.0 0.9 -9.0 0.9	SEC 10 IMPACT 540-088  AZSUN AZA -80-2 60-1 -80-8 52-8 -81-1 45-7 -81-5 37-9 -81-9 51-1 -80-9 58-6 -79-1 67-0 -79-6 61-8 -80-4 55-2 -81-1 59-3 -81-5 88-6 -81-1 24-5 -81-8 63-5 -81-8 63-5 -81-8 63-5 -81-8 63-5 -81-8 63-5 -81-8 63-5 -81-8 63-5 -81-7 56-3 -81-8 63-5 -79-1 77-77-77-77-77-77-77-77-77-74-6	59.25307 (58.42376 (6.25307 (6	LAT LON -5.455 -31.466  B/A AZPHAZ INC .886 -93.5 69, .921 -90.2 63, .994 -85.6 58, .964 -85.2 62, .964 -85.2 62, .964 -85.2 62, .967 -90.3 67, .966 -90.2 59, .966 -90.2 59, .967 -90.3 67, .967 -90.3 67, .967 -90.3 67, .967 -90.3 67, .967 -90.3 67, .967 -90.3 67, .967 -90.3 67, .967 -90.3 71, .970 -90.3 71, .970 -90.3 71, .970 -90.3 71, .727 -90.4 73, .622 -102.3 76, .971 -90.3 71, .971 -90.4 73, .622 -102.3 76, .971 -90.3 71, .971 -90.4 73, .622 -102.3 76, .971 -90.3 71, .971 -90.4 73, .971 -90.5 74, .971 -90.5 75, .971 -90.	94  R 2907.281  D PHAZ EMIS A 0 39.6 32.0 3 47.5 23.0 7 53.1 9.9 4 47.7 16.3 4 42.0 29.8 7 42.3 27.1 4 47.7 31.4 5 53.1 9.9 7 53.1 9.9 7 58.7 4.3 2 53.5 4.7 7 53.1 9.9 7 58.7 8 43.0 22.9 8 37.0 34.1 9 36.7 38.3 6 37.1 44.7 0 37.8 32.5 8 37.0 34.1 6 43.2 46.0 0 48.4 41.0 0 48.4 41.0 0 48.4 41.0 0 48.4 41.0 0 48.4 41.0 0 58.9 37.9 7 58.4 28.0 8 58.9 37.9 7 58.4 28.0 8 58.2 18.6 8 58.4 9.8	V PTH AZ 2.136 -71.549 116.475  LPHA SCALE PI-PT 28.7 0. 14.3 185.33686 1-2 5.3 166.52600 2-3 14.5 113.84111 3-4 23.9 121.35210 4-5 24.1 123.65639 5-6 22.8 136.48844 6-7 12.7 131.50022 7-8 2.9 121.89006 8-9 4.8 127.81538 9-10 5.3 117.19400 10-11 -4.0 143.49926 11-12 4.7 107.61961 12-13 13.6 111.74916 13-14 22.8 18.90172 14-15 32.2 130.40276 15-16 33.7 105.11875 16-17 34.2 129.41950 17-18 33.6 144.93815 18-19 31.9 172.67871 19-20 20.1 162.97230 20-21 9.4 140.76679 21-22 -0.7 128.62234 22-23 10.3 12.34262 23-24 -6.5 142.43219 24-25 -6.5 142.43219 24-25 -6.5 142.43219 24-25

		RA-VII CAM	RA FA				48
JULY 31,1964 13 HR 16 MIN 53	SEC 832 MS	TAB N	0 95	ATLAS PHOTO	NO 95	POD S	EQUENCE NO 196
TRAJECTORY DATA		SEC TO IMPA	T ALT	LAT LO	N	R V	PTH AZ
		534.968	1161.4480				-71.505 116.467
PHOTO DATA PT LAT LON RANGE	AZS/C AZN	AZSUN AZ	Α	B/A AZPHAZ	INCO PHAZ	EMIS ALPHA	SCALE PT-PT
1 -11.325 -19.119 1275.10233	-23.0 6.6	-80.2 59.	58.74114	0.896 -93.5	69.0 39.6	32.0 28.7	0. 0-1
2 -12.646 -25.155 1218.77594	-37.3 6.3	-80.8 52.			63.3 47.5		183.27217 1- 2 167.10787 2- 3
3 -8.942 -29.318 1172.09380	-28.1 3.3 -56.9 5.1	-80.5 55. -81.1 45.			58.8 53.1 62.5 47.7		167.10787 2- 3 112.87709 3- 4
4 -8.745 -25.552 1190.29117 5 -8.536 -21.539 1228.64867	-56.9 5.1 -68.4 6.8	-81.1 45. -81.5 37.			66.4 42.3		120.33822 4- 5
6 -12.542 -20.948 1259.91194	-51.6 8.8	-82.0 45.			67.4 42.0		122.60274 5- 6
7 -16.938 -20.129 1316.79276	-40.0 11.5	-82.9 51.		0.805 -95.8	68.7 42.3	37.1 22.9	135.27842 6- 7
8 -16.908 -24.629 1270.81776	-26.9 8.0	-81.0 58.			64.4 47.7	31.4 12.8 28.2 3.0	130.39055 7~ 8 120.85506 8- 9
9 -16.943 -28.799 1248.69055	-10.0 4.5 -14.9 3.8	-79.2 66. -79.6 61.			60.5 53. <u>1</u> 59.5 52.9		126.66523 9-10
10 -12.771 -29.086 1199.214// 11 -8.942 -29.318 1172.09380	-28.1 3.3	-80.5 55.			58.8 53.1		116.17287 10-11
12 -6.015 -33.023 1163.34033	75.3 1.6	-81.1 59.	51.88624	0.970 -82.2	54.8 58.7	4.2 -3.9	142.24681 11-12
13 -5.790 -29.490 1163.89984	-77.1 2.9	-81.4 48.				4.8 4.8	106.66783 12-13
14 -5.536 -25.823 1181.61052	-85.4 4.2	-81.5 38.			61.9 48.2 65.8 43.0		110.79677 13-14 117.90121 14-15
15 -5.247 -21.924 1218.68344 16 -4.907 -17.652 1278.80977	-87.2 5.4 -88.0 6.4	-81.4 30. -81.1 24.			70.0 37.8		129.28458 15-16
17 -8.308 -17.125 1291.17490	-74.2 8.5	-81.9 31.			70.7 37.0		104.22696 16-17
18 -12.462 -16.282 1327.34160	-60.4 11.3	-83.2 38.			71.9 36.7		128.31261 17-18
19 -17.056 -15.066 1392.73822	-49.5 14.9	-85.2 44.			73.5 37.1		143.62695 18-19 170.88922 19-20
20 -22.418 -13.200 1499.31219	-41.2 20.3	-88.6 49. -84.7 56.		0.624 -102.3 0.711 -101.2	75.9 38.1 70.6 43.2	53.0 31.8 45.9 20.1	161.41992 20-21
21 -21.984 -18.938 1407.75056 22 -21.755 -23.896 1353.25899	-32.1 15.4 -20.8 10.5	-81.8 63.	2 02.41217 3 63.11H72		66.0 48.4		139.53745 21-22
23 -21.666 -28.426 1326.58231	-7.5 5.6	-79.2 71.			61.9 53.7		127.51081 22-23
24 -21.690 -32.734 1323.21240	6.6 0.6	-76.6 79.	4 60.51340	0.819 -98.7		37.8 -10.2	121.24161 23-24
25 -17.034 -32.791 1247.12518	8.8 0.9				56.8 58.4		141.01102 24-25
26 -12.914 -32.862 1198.54283	13.0 1.2	-78.3 71. -79.7 64.			55.9 58.2 55.3 58.4	18.6 -4.3 9.8 -3.6	124.81579 25-26 114.62348 26-27
27 -9.131 -32.944 1171.69341	25.0 L.4						
		-81.1 59.	D 51.88624	0-970 -82-2	54.8 58.7	4.2 -3.9	94.39779 27-28
28 -6.015 -33.023 1163.34033	75.3 1.6	-81.1 59.	0 51.88624		54.8 58.7		94.39779 27-28
		-81.1 59. TAB !		ATLAS PHOTO			94.39779 27-28 EQUENCE NO 198
JULY 31,1964 13 HR 16 MIN 58		TAB I	10 96	ATLAS PHOTO	NO 96	POD S	EQUENCE NO 198
		TAB I	10 96 Cr ALT	ATLAS PHOTO	NO 96	POD S	EQUENCE NO 198
JULY 31,1964 13 HR 16 MIN 58 TRAJECTURY DATA		TAB I	10 96	ATLAS PHOTO  LAT LU 4 -5.517 -31.	NO 96	POD S	PTH AZ -71.460 116.458
JULY 31,1964 13 HR 16 MIN 58		TAB I SEC TO IMPA 529.848	0 96 Cr ALT 1151-0591	ATLAS PHOTO  LAT LU 4 -5.517 -31.  B/A AZPHAZ	NO 96 N 343 28 INCD PHAZ	POD S R V 86.514 2.141 EMIS ALPHA	PTH AZ -71.460 116.458 SCALE PT-PT
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276	SEC 951 MS  AZS/C AZN -23.1 6.6	TAB I SEC TO IMPA 529.848 AZSUN AZ -80.3 59.	IO 96  CT ALT 1151.0591  A A+ 7 58.22855	ATLAS PHOTO  LAT LO 4 -5.517 -31.  B/A AZPHAZ 0.896 -93.5	NO 96  N 343 28  INCD PHAZ 69.0 39.6	POD S R V 86.514 2.141 EMIS ALPHA 31.9 28.6	PTH AZ -71.460 116.458 SCALE PT-PT 0. 0-1
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272	SEC 951 MS  AZS/C AZN -23.1 6.6 -37.5 6.3	TAB I SEC TO IMPA 529.848 AZSUN AZ -80.3 59. -80.8 52.	IO 96  CI ALT 1151.0591  A A 6 7 58.22855 5 57.41853	ATLAS PHOTO  LAT LU 4 -5.517 -31.  B/A AZPHAZ 0.896 -93.5 0.921 -90.2	NO 96  N 343 28  INCD PHAZ 69.0 39.6 63.4 47.5	POD S R V 86.514 2.141 EMIS ALPHA 31.9 28.6 23.0 14.4	PTH AZ -71.460 116.458 SCALE PT-PT 0. 0-1 181.21256 1-2
JULY 31,1964 13 HR 16 HIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920	SEC 951 MS  AZS/C AZN -23-1 6.6 -37-5 6.3 -28-4 3.3	TAB ! SEC TO IMPA 529.848 AZSUN AZ -80.3 5980.8 5280.5 54.	IO 96  CT ALT 1151.0591  A Ae 7 58.22855 5 57.41853 8 54.71453	ATLAS PHOTO  LAT LU 4 -5.517 -31.  B/A AZPHAZ 0.896 -93.5 0.991 -90.2 0.994 -85.6	NO 96  IN 343 28  INCD PHAZ 69.0 39.6 69.4 47.5 58.9 53.1	POD S R V 86.514 2.141 EMIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4	PTH AZ -71.460 116.458 SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635	SEC 951 MS  AZS/C AZN -23.1 6.6 -37.5 6.3	TAB !  SEC TO IMPA 529.848  AZSUN AZ -80.3 5980.8 5280.5 5481.1 45.	IO 96  CI ALT 1151.0591  A A 6 7 58.22855 5 57.41853 5 54.7153 6 55.81164	ATLAS PHOTO  LAT LU 4 -5.517 -31.  8/A AZPHAZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.965 -85.2 0.916 -84.8	NO 96  N 343 28  INCD PHAZ 69.0 39.6 63.4 47.5 58.9 53.1 66.4 42.3	POD S  R V  86.514 2.141  EHIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4 16.4 14.6 24.8 24.0	PTH AZ -71.460 116.458 SCALE PT-PT 0 0 1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5
JULY 31,1964 13 HR 16 HIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920	AZS/C AZN -23.1 6.6 -37.5 6.3 -28.4 3.3 -56.9 5.1	TAB !  SEC TO IMPA 529.848  AZSUN AZ -80.3 5980.8 5280.5 5481.1 4581.5 3782.0 45.	CI ALT 1151-0591  A A+ 7 58.22855 5 7.41853 6 55.81164 9 57.3226 0 59.07949	ATLAS PHOTO  LAT LU 4 -5.517 -31.  8/A AZPHZ  0.896 -93.5  0.921 -90.2  0.994 -85.6  0.965 -85.2  0.916 -84.8  0.871 -90.3	NO 96  N 343 28  INCD PHAZ 69.0 39.6 63.4 47.5 58.9 53.1 62.5 47.7 66.4 42.3 66.4 42.0	POD S  R V  86.514 2.141  EMIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4 16.4 14.6 24.8 24.0 29.9 24.1	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.363 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.408 1179.94635 5 -8.558 -21.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -16.886 - 20.122 1305.38455	AZS/C AZN -23-1 6-6 -37-5 6-3 -28-4 3-3 -56-9 5-1 -68-4 6-8 -51-6 8-8 -40-1 11-5	TAB I SEC TO IMPA 529.848 AZSUN AZ -80.3 59. -80.5 54. -81.1 45. -81.5 37. -82.0 45. -82.9 51.	A A A 58.22855 57.41853 8 54.71453 6 55.81164 9 57.32265 0 61.47642	ATLAS PHOTO  LAT LU 4 -5.517 -31.  B/A AZPHAZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.805 -95.8	NO 96  N 343 28  INCD PHAZ 69.0 39.6 63.4 47.5 58.9 53.1 66.4 42.3 67.4 42.3 67.4 42.3	POD S  R V  86.514 2.141  EMIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4 10.1 5.4 10.4 14.6 24.8 24.0 29.9 24.1 37.0 22.9	PTH AZ -71.460 116.458 SCALE PT-PT 0.1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -6.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -21.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -16.886 -20.122 1305.38845 6 -16.855 -24.582 1259.70221	AZS/C AZN -23.1 6.6 -37.5 6.3 -28.4 3.3 -56.9 5.1 -68.4 6.8 -51.6 8.8 -40.1 11.5	TAB I SEC TO IMPA 529.848  AZSUN AZ -80.3 5980.5 5481.1 4581.5 3782.0 4582.9 51.	IO 96  ET ALT 1151.0591  A A. 7 58.22855 57.41853 8 54.71453 6 55.81164 9 57.32265 0 59.07949 61.47642 3 59.58347	ATLAS PHOTO  LAT LU 4 -5.517 -31.  8/A AZPHZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.800 -95.8 0.800 -95.8	NO 96  N 343 28  INCD PHAZ 69.0 39.6 63.4 47.5 58.9 53.1 66.4 42.3 67.4 42.0 68.7 42.3 66.4 42.0	POD S  R  86.514 2.141  EHIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4 10.4 14.6 24.8 24.0 29.9 24.1 37.0 22.9 31.4 12.8	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -21.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -16.886 -20.122 1305.34845 8 -16.855 -24.582 1259.70221 9 -16.890 -28.716 1237.61594	AZS/C AZN -23.1 6.6 -37.5 6.3 -28.4 3.3 -56.9 5.1 -68.4 6.8 -40.1 11.5 -27.0 8.0	TAB !  SEC TO IMPA 529.848  AZSUN AZ -80.3 5980.6 5280.5 5481.1 4581.5 3781.6 5982.9 5181.0 58.	IO 96  CI ALT 1151.0591  A A-7 58.22855  57.41853  6 55.81164  9 57.32265  0 59.07949  0 61.47642  3 59.58347  5 58.24247	ATLAS PHOTO  LAT LU 4 -5.517 -31.  B/A AZPHAZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.805 -95.8 0.858 -95.3 0.890 -94.9	NO 96  N 343 28  INCD PHAZ 69.0 39.6 63.4 47.5 65.4 47.7 66.4 42.3 67.4 42.3 64.5 47.7 66.6 53.1	POD S  R V  86.514 2.141  EHIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4 16.4 14.6 24.8 24.0 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -6.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -21.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -10.886 -20.122 1305.3486 8 -16.855 -24.552 1259.70221 9 -16.890 -28.716 1237.61594 10 -12.755 -29.001 1188.65625	AZS/C AZN -23.1 6.6 -37.5 6.3 -28.4 3.3 -56.9 5.1 -68.4 6.8 -51.6 8.8 -40.1 11.5	TAB !  SEC TO IMPA 529.848  AZSUN AZ-80.3 5980.6 5280.5 5481.1 4581.5 3782.0 4582.0 4582.0 79.7 61.	IO 96  CI ALT 1151.0591  A A- 7 58.22855 5 77.41833 6 54.714.83 6 59.01949 6 59.07949 6 1.47642 3 59.58347 3 56.22342	ATLAS PHOTO  LAT LO 4 -5.517 -31.  8/A AZPHZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.805 -95.8 0.898 -95.3 0.890 -94.9 0.951 -90.2	NO 96  N 343 28  INCD PHAZ 69.0 39.6 63.4 47.5 58.9 53.1 62.5 47.7 66.4 42.0 68.7 42.3 67.4 60.6 53.1 59.6 52.9 53.1	POD S  R V  86.514 2.141  EMIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4 10.4 14.6 24.8 24.0 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119.81846 8-9 125.51460 9-10 115.15047 10-11
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -6.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -6.558 -21.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -16.886 -20.122 1305.34845 8 -16.855 -24.552 1259.70221 9 -16.890 -28.716 1237.61594 10 -12.755 -29.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.059 -32.905 1152.85371	AZS/C AZN -23.1 6.6 -37.5 6.3 -56.9 5.1 -68.4 6.8 -51.6 8.8 -51.6 8.8 -51.2 4.5 -27.0 8.0 -10.2 4.5 -15.1 3.8 -28.4 3.3	TAB !  SEC TO IMPA 529.848  AZSUN AZ-80.3 5980.6 5280.5 5481.1 4581.5 3782.0 4582.0 4582.0 5582.7 5181.0 5879.7 6180.5 54.	IO 96  II ALT	ATLAS PHOTO  LAT LO 4 -5.517 -31.  8/A AZPHAE 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.805 -95.8 0.858 -95.3 0.890 -94.9 0.951 -90.2 0.994 -85.6 0.970 -82.2	NO 96  N 343 28  INCD PHAZ 69.0 39.6 63.4 47.5 58.9 53.1 662.5 47.7 66.4 42.3 64.5 47.7 66.6 52.9 58.9 53.1 59.6 52.9 58.9 53.1 55.0 58.7	POD S  R  V  86.514 2.141  EMIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4 16.4 14.6 24.8 24.0 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0 10.1 5.4 4.1 -3.8	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119.81846 8-9 125.51460 9-10 115.15047 10-11
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JULY 31,1964 13 HR 16 HIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -21.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -10.686 -20.122 1305.38465 8 -16.855 -24.582 1259.70221 9 -16.890 -28.716 1237.61594 10 -12.755 -23.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.099 322.995 1152.85371 13 -5.835 -29.403 1153.59311 14 -5.584 -25.767 1171.28149	AZS/C AZN -23.1 6.6 -37.5 6.3 -56.9 5.1 -68.4 6.8 -51.6 8.8 -51.6 8.8 -51.2 4.5 -27.0 8.0 -10.2 4.5 -28.4 3.3 -76.7 2.9 -85.2 4.2	TAB !  SEC TO IMPA 529.848  AZSUN AZ-80.3 5980.6 5280.5 5481.1 4581.5 3782.0 4581.0 5879.7 6180.5 5481.1 5879.7 61.	IO 96  IT ALT 1151.0591  A A-7 58.22855 57.41833 6 54.71453 6 55.81166 9 57.3265 0 59.07949 3 59.58347 3 56.22342 3 56.22	ATLAS PHOTO  LAT LU 4 -5.517 -31.  B/A AZPHAZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.805 -95.8 0.807 -94.9 0.951 -90.2 0.994 -85.6 0.970 -82.2 0.984 -81.6 0.987 -80.9	NO 96  N 343 28  INCD PHAZ 269.0 39.6 63.4 47.5 58.9 53.1 62.5 47.7 60.6 53.1 59.6 55.0 58.7 55.0 55.0 55.0 55.0 55.0 56.0 56.0 48.2 62.0 48.2	POD S  R  V  86.514 2.141  EMIS ALPHA 31.9 28.6 23.0 14.4 16.1 5.4 16.4 14.6 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0 10.1 5.4 4.1 -3.8 4.9 4.9 31.8 13.8	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.31227 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119.81846 8-9 125.51460 9-10 115.15047 10-11 140.93250 11-12 105.71562 12-13
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JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19,138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -21.519 1218.0537.6 -12.529 -20.932 1249.05469 7 -16.886 -20.122 1305.34845 8 -16.855 -24.5582 1259.70221 9 -16.890 -28.716 1237.61594 10 -12.755 -24.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.059 -32.905 1152.85371 13 -5.835 -29.403 1153.59311 14 -5.584 -25.767 1171.28149 15 -5.297 -21.901 1208.10999	AZS/C AZN -23.1 6.6 -37.5 6.3 -28.4 3.3 -56.9 5.1 -68.4 6.8 -40.1 11.5 -27.0 8.0 -10.2 4.5 -15.1 3.8 -28.4 3.3 74.2 1.6 -76.7 2.9 -85.2 4.2 -85.2 4.2	TAB !  SEC TO IMPA 529.848  AZSUN AZ-80.3 5980.6 5280.5 5481.1 4582.9 5182.9 5182.9 5181.0 5879.2 6181.1 5481.5 5481.1 4881.5 3881.1 4881.5 3881.1 2481	IO 96  CI ALT 1151.0591  A A. 7 58.22855 5 77.41833 6 55.81164 57.32265 0 57.0794 3 59.58347 5 58.24247 3 56.2237 3 56.2237 3 56.2237 3 56.2237 3 56.2331 3 56.2331 3 56.2331 3 56.2331 3 56.2331 3 56.2331 3 56.2331 3 56.3331 3	ATLAS PHOTO  LAT LU 4 -5.517 -31.  8/A AZPHZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.805 -95.8 0.890 -95.8 0.890 -94.9 0.951 -90.2 0.994 -81.6 0.987 -80.9 0.987 -80.9 0.872 -79.0 0.872 -79.0	NO 96  N 343 28  INCD PHAZ  IO9.0 39.6 63.4 47.5 65.4 42.3 68.7 42.3 66.5 47.7 60.6 53.1 59.6 52.1 59.6 52.0 58.9 53.1 58.9 53.1 58.0 58.7 58.0 58.7 58.0 37.8	POD S  R V 86.514 2.141 EMIS ALPHA 31.9 28.6 23.0 14.4 10.1 5.4 16.4 14.6 24.8 24.0 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0 10.1 5.4 4.1 -3.8 4.9 4.9 13.8 13.8 23.0 22.8 32.5 32.1 34.0 33.6	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119,81846 8-9 125.51460 9-10 115.15047 10-11 140.99350 11-12 105.71562 12-13 109.84306 13-14 116.89872 14-15 128.16433 15-16 103.33351 16-17
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JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -21.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -16.886 -20.122 1305.3486.65625 8 -16.855 -24.582 1259.70221 9 -16.890 -28.716 1237.61594 10 -12.755 -29.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.059 -32.905 1152.85371 13 -5.835 -29.403 1153.59311 14 -5.584 -25.767 1171.28149 15 -5.297 -21.901 1208.10999 16 -4.960 -17.666 1267.71846 17 -8.332 -17.163 1280.04465 18 -12.450 -16.307 1315.8932 19 -17.003 -15.105 1380.57948 20 -22.311 -13.288 1485.77985 21 -21.883 -18.966 196.967 57948	AZS/C AZN -23.1 6.6 -37.5 6.3 -28.4 3.3 -56.9 5.1 -68.4 6.8 -51.6 8.8 -51.6 8.8 -51.7 8.8 -40.1 11.5 -27.0 8.0 -10.2 4.5 -15.1 3.8 -28.4 3.3 74.2 1.6 -76.7 2.9 -87.2 4.2 -87.1 5.4 -87.9 6.5 -74.1 8.5 -74.1 8.5 -74.1 8.5	TAB !  SEC TO IMPA 529.848  AZSUN AZ-80.3 5980.6 5280.5 5481.1 4581.0 5879.2 6679.7 6180.5 5481.3 4881.4 3081.3 4881.4 3081.1 2488.5 44.	T ALT 1151.0591  A A. 7  7 58.22855  5 7.41833  6 54.71453  6 55.81164  9 57.32265  0 59.07949  6 1.47642  3 59.58347  3 56.22342  8 54.71453  5 2.84163  1 54.7612  7 56.18587  7 56.18587  7 59.38415  4 61.37284  64.42545  64.16289	ATLAS PHOTO  LAT LU 4 -5-517 -31.  8/A AZPHZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.2 0.811 -90.3 0.805 -95.8 0.890 -95.8 0.890 -94.9 0.951 -90.2 0.994 -85.6 0.970 -82.2 0.984 -81.6 0.987 -80.9 0.817 -80.9 0.817 -80.9 0.817 -80.9 0.817 -80.9 0.817 -84.2 0.800 -90.3 0.728 -96.4	NO 96  N 343 28  INCD PHAZ  69.0 39.6 63.4 47.5 65.9 53.1 62.5 47.7 66.4 42.3 64.5 47.7 60.6 53.1 59.6 52.9 58.9 53.1 59.6 52.9 58.9 53.1 58.0 53.5 62.0 48.2 70.0 37.8 71.9 36.7 71.9 36.7	POD S  R V 86.514 2.141  EMIS ALPHA 10.1 5.4 10.1 5.4 10.4 14.0 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0 10.1 5.4 4.1 -3.8 4.9 4.9 13.8 13.8 23.0 22.8 33.4 13.8 23.0 22.8 34.2 34.2 44.6 33.5 52.9 31.7 45.8 20.1	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119.81846 8-9 125.51460 9-10 15.15047 10-11 140.99350 11-12 105.71562 12-13 109.84306 13-14 16.89872 14-15 128.16433 15-16 103.333351 16-17 127.20411 17-18 142.314774 18-19 169.10424 19-20 159.86816 20-21 138.30937 21-22
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -6.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -6.558 -21.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -16.886 -20.122 1305.34869 6 -18.855 -24.552 1259.70221 9 -16.890 -28.716 1237.61594 10 -12.755 -29.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.059 -32.905 1152.85371 13 -5.835 -29.403 1153.59311 14 -5.584 -25.767 1171.28149 15 -5.297 -21.901 1208.10999 16 -4.960 -17.666 1267.71846 17 -8.332 -17.163 1280.04465 18 -12.450 -16.307 1315.8932 19 -17.003 -15.105 1380.57948 20 -22.311 -13.268 1485.77985 21 -21.883 -18.946 1395.22205 22 -21.656 -23.857 1341.18254 32 -21.6566 -23.857 1341.18254	AZS/C AZN -23.1 6.6 -37.5 6.3 -56.9 5.1 -68.4 6.8 -51.6 8.8 -51.6 8.8 -40.1 11.5 -27.0 8.0 -10.2 4.5 -15.1 3.8 -28.4 3.3 74.2 1.6 -76.7 2.9 -87.9 5.4 -87.9 5.4 -87.1 5.4	TAB !  SEC TO IMPA 529.848  AZSUN AZ-80.3 5980.6 5280.5 5481.1 4582.0 4582.9 5182.9 5280.5 5481.3 4881.3 4881.3 4881.3 4881.4 3081.1 3081.1 43081.8 3183.2 4488.8 54.9 -84.8 5681.9 63.	TI ALT 1151.0591 A A A A A A A A A A A A A A A A A A A	ATLAS PHOTO  LAT LO 4 -5.517 -31.  8/A AZPHAE 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.805 -95.8 0.858 -95.3 0.890 -94.9 0.951 -90.2 0.994 -85.6 0.970 -82.2 0.984 -81.6 0.987 -80.9 0.939 -80.0 0.947 -80.9 0.9487 -80.9 0.858 -95.3 0.712 -101.2 0.770 -100.2 0.712 -101.2	NO 96  N 343 28  INCD PHAZ 2  69.0 39.6 63.4 47.5 65.9 53.1 62.5 47.7 60.6 53.1 55.0 58.9 58.9 53.1 62.0 48.2 65.8 43.0 70.7 37.0 713.5 37.1 75.8 38.1 75.8 38.1 75.8 38.1 75.8 38.1 75.8 38.1	POD S  R  V  86.514 2.141  EMIS ALPHA 10.1 5.4 10.1 5.4 16.4 14.6 23.0 14.4 16.4 14.6 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0 10.1 5.4 4.1 -3.8 4.9 4.9 13.8 13.8 23.0 22.8 13.9 13.8 13.9 33.6 39.2 34.2 34.0 33.6 38.2 34.2 40.8 9.6 40.8 9.6	PTH AZ  -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119.81846 8-9 125.51460 9-10 115.15047 10-11 140.99350 11-12 105.71562 12-13 109.84306 13-14 116.89872 14-15 128.16433 15-16 103.333351 16-17 127.20411 17-18 142.31474 18-19 169.10424 19-20 138.30637 21-22 138.30637 21-22
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19,138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -21.519 1218.0537.6 -12.529 -20.932 1249.05469 7 -16.886 -20.122 1305.34845 8 -16.855 -24.552 1259.70221 9 -16.890 -28.716 1237.61594 10 -12.755 -29.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.099 -32.905 1152.8537 13 -5.835 -29.403 1153.59311 14 -5.584 -25.767 1171.28149 15 -5.297 -21.901 1208.10999 16 -4.960 -17.666 1267.71846 17 -8.332 -171.143 1280.04465 18 -12.450 -16.307 1315.89326 17 -17.003 -15.105 1380.57948 20 -22.311 -13.268 1485.77985 21 -21.883 -18.966 1395.22205 22 -21.656 -23.857 1341.18254 23 -21.566 -28.3857 1314.58871 24 -21.587 -324.010 1310.99167	AZS/C AZN -23.1 6.6 -37.5 6.3 -28.4 3.3 -56.9 5.1 -81.6 8.8 -40.1 11.5 -27.0 8.8 -40.1 11.5 -27.0 8.8 -28.4 3.3 74.2 1.6 -85.2 4.2 -87.1 5.4 -87.9 6.5 -74.1 8.7 -40.5 14.9 -40.5 14.9 -40.5 14.9 -40.5 14.9 -40.5 14.9 -60.4 11.2 -60.4 11.2 -60.4 11.2 -60.4 11.3 -74.7 6.5 -74.7 6.5 -74.7 6.5 -74.7 6.5 -74.7 6.5 -74.7 6.5 -74.7 6.5 -74.7 6.5	TAB I	IO 96  IT ALT  1151-0591  A A  7 58.22855  5 7-4183  6 59.0194  6 59.0195  6 77.32265  7 75.32265  7 75.32626  3 79.58347  5 58.24247  3 56.2234  8 54.71453  7 56.1898  7 56.1898  7 56.1898  7 56.1898  7 56.1898  7 56.1898  7 68.1173  64.1454  64.1454  64.1454  64.125518  60.98548  1 59.95425	ATLAS PHOTO  LAT LU 4 -5.517 -31.  B/A AZPHZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.805 -95.8 0.871 -90.3 0.805 -95.8 0.896 -94.9 0.951 -90.2 0.994 -81.6 0.970 -82.2 0.984 -81.6 0.987 -80.9 0.987 -80.9 0.887 -80.9 0.887 -80.9 0.847 -84.2 0.0800 -90.3 0.722 -90.0 0.847 -84.2 0.0800 -90.3 0.712 -101.2 0.0805 -99.4 0.625 -102.3 0.712 -101.2 0.805 -99.4	NO 96  IN 343 28  INCD PHAZ  IO9.0 39.6 63.4 47.5 68.7 42.3 68.7 42.3 68.7 42.3 68.7 53.1 55.0 58.7 55.0 58.7 55.0 58.7 75.0 37.8 75.8 38.1 75.8 38.1 70.5 43.2 66.0 48.2 66.9 33.1 70.5 43.4 61.9 53.7 75.8 38.1	POD S  R V  86.514 2.141  EMIS ALPHA 23.0 14.4  10.1 5.4  16.4 14.6  29.9 24.1  37.0 22.9  31.4 12.8  28.1 3.1  18.7 5.0  10.1 5.4  4.1 -3.8  4.9 4.9  13.8 13.8  23.0 22.8  32.5 32.1  4.4 -3.8  32.5 32.1  4.5 32.1  4.6 33.5  52.9 31.7  45.8 20.1  45.8 20.1  45.8 20.1  46.8 9.6  38.1 -0.4	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119,81846 8-9 125.51460 9-10 115.15047 10-11 140.99350 11-12 105.71562 12-13 109.84306 13-14 116.89872 14-15 128.16433 15-16 103.33351 16-17 127.20411 17-18 142.31474 18-19 149.10424 19-20 159.80816 20-21 138.30637 21-22 126.39786 22-23
JULY 31,1964 13 HR 16 HIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -215.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -16.885 -28.522 1259.70221 9 -18.890 -20.122 1305.34845 8 -16.855 -28.522 1259.70221 9 -18.890 -28.716 1237.61594 10 -12.755 -29.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.099 -32.905 1152.85371 13 -5.835 -29.403 1153.59311 14 -5.584 -25.767 1171.28149 15 -5.297 -21.901 1208.10999 16 -4.960 -17.666 1267.71846 17 -8.332 -17.163 1280.04465 18 -12.450 -16.307 1315.8921 19 -17.003 -15.105 1380.57948 20 -22.311 -13.268 1485.77985 21 -21.883 -18.966 1395.22205 22 -21.656 -23.857 1341.18254 23 -21.566 -28.3857 1341.18254 24 -21.587 -32.610 1310.99167	AZS/C AZN -23.1 6.6 -37.5 6.3 -56.9 5.1 -68.4 6.8 -51.6 8.8 -51.6 8.8 -51.6 8.8 -40.1 11.5 -76.7 2.9 -87.1 5.4 -87.9 6.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.6 -76.7 2.9 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5	TAB !  SEC TO IMPA 529.848  AZSUN AZ -80.3 59, -80.6 52, -80.5 54, -81.1 45, -81.2 537, -82.0 45, -81.0 58, -70.2 66, -79.7 61, -81.1 54, -81.1 54, -81.1 3 48, -81.5 38, -81.4 30, -81.1 24, -81.8 31, -81.4 30, -81.1 24, -81.8 31, -81.4 30, -81.1 24, -81.5 38, -81.4 30, -81.1 24, -81.5 38, -81.4 30, -81.1 34, -81.5 38, -81.4 30, -81.1 34, -81.5 38, -81.4 30, -81.1 34, -81.5 38, -81.5 38, -81.6 31, -81.7 37, -70.7 37, -70.7 37, -77.3 75,	IO 96  IT ALT 1151.0591  A A- 7 58.228555 57.41833 6 55.81164 6 9 57.3265 6 9 59.07949 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	ATLAS PHOTO  LAT LO 4 -5.517 -31.  B/A AZPHAE 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.805 -95.3 0.805 -95.3 0.809 -94.9 0.951 -90.2 0.994 -85.6 0.970 -82.2 0.984 -81.6 0.987 -80.9 0.939 -80.0 0.987 -80.9 0.939 -80.0 0.987 -80.9 0.939 -80.0 0.987 -80.9 0.987 -80.9 0.987 -80.9 0.987 -80.9 0.987 -80.9 0.987 -80.9 0.817 -90.0 0.847 -84.2 0.712 -101.2 0.770 -100.2 0.770 -100.2 0.710 -100.2 0.800 -99.4 0.820 -99.4 0.820 -99.4	NO 96  N 343 28  INCD PHAZ 2  69.0 39.6 63.4 47.5 65.9 53.1 62.5 47.7 60.6 53.1 55.0 58.7 55.0 58.7 55.0 58.7 70.7 37.0 71.9 36.7 73.5 37.1 75.8 38.1 70.5 48.2 66.9 48.4 66.9 48.4 66.9 58.4	POD S  R  V  86.514 2.141  EMIS ALPHA 10.1 5.4 10.1 5.4 16.4 14.6 23.0 14.4 16.4 14.6 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0 10.1 5.4 4.1 -3.8 4.9 4.9 13.8 13.8 23.0 22.8 23.1 34.0 33.6 33.5 32.1 34.0 33.6 38.2 34.2 34.6 38.2 34.2 34.6 38.3 35.5 32.9 31.7 34.0 33.6 38.1 -0.4 37.7 -10.0 37.8 -6.3	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119.81846 8-9 125.51860 9-10 115.15047 10-11 140.99350 11-12 105.71562 12-13 109.84306 13-14 16.89872 14-15 128.16433 15-16 103.33351 16-17 127.20411 17-18 142.31474 18-19 169.10424 19-20 138.30637 12-2 138.30637 12-2 126.319786 22-23 120.14067 23-24 139.59368 22-23
JULY 31,1964 13 HR 16 MIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19,138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -21.519 1218.05373 6 -12.529 -20.932 1249.09469 7 -16.886 -20.122 1305.34845 8 -16.855 -24.552 1259.70221 9 -16.890 -29.232 1161.76920 10 -12.755 -29.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.059 -32.905 1152.85371 13 -5.835 -29.403 1153.59311 14 -5.584 -25.767 1171.28149 15 -5.297 -21.901 1208.10999 16 -4.960 -17.666 1267.71846 17 -8.332 -171.143 1280.04465 18 -12.450 -16.307 1315.89326 19 -17.003 -15.105 1380.57948 20 -22.311 -13.268 1485.77985 21 -21.865 -23.857 1341.18254 23 -21.566 -23.857 1341.18254 24 -21.587 -32.610 1310.99167 25 -16.978 -32.670 1235.83806 26 -12.896 -32.670 1235.83806	AZS/C AZN -23.1 6.6 -37.5 6.3 -28.4 3.3 -56.9 5.1 -84.4 6.8 8.8 -40.1 11.5 -27.0 8.0 -10.2 4.5 -15.1 3.8 -28.4 3.3 -76.7 2.9 -85.2 4.2 -87.1 5.4 -87.9 6.5 -74.1 8.5 -74.1 8.7 -74.1 8.7 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.7 5.6 -74.7 5.6 -77.7 5.6	TAB I	TI ALT 1151.0591 A A A A A A A A A A A A A A A A A A A	ATLAS PHOTO  LAT LU 4 -5-5517 -31.  8/A AZPHZ 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.921 -90.2 0.916 -84.8 0.858 -95.3 0.800 -95.8 0.890 -94.9 0.951 -90.2 0.994 -81.6 0.987 -80.9 0.987 -80.9 0.987 -80.9 0.987 -80.9 0.887 -80.9 0.887 -80.9 0.887 -80.9 0.897 -80.9 0.993 -80.0 0.872 -79.0 0.800 -90.3 0.728 -96.4 0.625 -102.3 0.712 -101.2 0.710 -100.2 0.800 -99.7 0.800 -99.7	NO 96  N 343 28  INCD PHAZ  IO9.0 39.6 63.4 47.5 65.9 53.1 62.5 47.7 66.4 42.3 68.7 42.3 68.7 42.3 68.6 53.1 59.6 52.0 68.7 43.3 58.9 53.1 70.0 37.8 70.0 37.8 70.0 37.8 70.7 37.7 75.8 38.1 75.6 38.2 66.0 48.2 66.9 53.7 75.8 38.1 75.5 43.5 66.0 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7 75.6 58.7	POD S  R V 86.514 2.141 EMIS ALPHA 23.0 14.4 10.1 5.4 10.1 5.4 16.4 14.6 29.9 24.1 37.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0 10.1 5.4 4.1 -3.8 4.9 4.9 13.0 22.8 32.5 32.1 40.8 33.6 38.2 34.2 34.0 33.6 38.2 34.2 44.6 33.5 52.9 31.7 40.8 9.6 38.1 -0.4 37.7 -10.0	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119,81846 8-9 125.51460 9-10 115.15047 10-11 140.99350 11-12 105.71562 12-13 109.84306 13-14 116.89872 14-15 128.16433 15-16 103.33351 16-17 127.20411 17-18 142.31474 18-19 149.10424 19-20 159.80816 20-21 138.30637 21-22 126.39786 22-23
JULY 31,1964 13 HR 16 HIN 58  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.315 -19.138 1263.81276 2 -12.632 -25.104 1208.19272 3 -8.960 -29.232 1161.76920 4 -8.765 -25.498 1179.94635 5 -8.558 -215.519 1218.05373 6 -12.529 -20.932 1249.05469 7 -16.885 -28.522 1259.70221 9 -18.890 -20.122 1305.34845 8 -16.855 -28.522 1259.70221 9 -18.890 -28.716 1237.61594 10 -12.755 -29.001 1188.65625 11 -8.960 -29.232 1161.76920 12 -6.099 -32.905 1152.85371 13 -5.835 -29.403 1153.59311 14 -5.584 -25.767 1171.28149 15 -5.297 -21.901 1208.10999 16 -4.960 -17.666 1267.71846 17 -8.332 -17.163 1280.04465 18 -12.450 -16.307 1315.8921 19 -17.003 -15.105 1380.57948 20 -22.311 -13.268 1485.77985 21 -21.883 -18.966 1395.22205 22 -21.656 -23.857 1341.18254 23 -21.566 -28.3857 1341.18254 24 -21.587 -32.610 1310.99167	AZS/C AZN -23.1 6.6 -37.5 6.3 -56.9 5.1 -68.4 6.8 -51.6 8.8 -51.6 8.8 -51.6 8.8 -40.1 11.5 -76.7 2.9 -87.1 5.4 -87.9 6.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.6 -76.7 2.9 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5 -74.1 8.5	TAB !  SEC TO IMPA 529.848  AZSUN AZ -80.3 5980.6 5280.5 5481.1 4581.5 3782.0 4581.0 5879.7 6180.5 5481.1 3 4881.3 4881.3 4881.3 4881.4 3081.1 2481.8 3183.2 3881.4 3081.1 3481.5 3881.4 3081.1 3481.5 3881.4 3081.7 3781.8 3181.8 3181.8 3181.8 3181.8 3181.8 3181.8 3181.8 3181.8 3181.9 3781.8 3181.9 3781.8 3181.9 3781.9 3781.9 37.	TI ALT 1151.0591 A A- 7 58.22855 57.41833 6 55.8116 9 57.32265 0 59.07949 3 56.2242 8 54.71453 5 58.2242 8 54.71453 5 52.84163 1 54.7619 7 56.18548 1 64.8299 6 64.4545 6 64.8299 6 64.829	ATLAS PHOTO  LAT LU 4 -5.517 -31.  B/A AZPHAE 0.896 -93.5 0.921 -90.2 0.994 -85.6 0.963 -85.2 0.916 -84.8 0.871 -90.3 0.800 -94.9 0.951 -90.2 0.994 -85.6 0.970 -82.2 0.994 -85.6 0.987 -80.9 0.939 -80.0 0.987 -80.9 0.939 -80.0 0.872 -79.0 0.8872 -79.0 0.8872 -79.0 0.872 -79.0 0.872 -79.0 0.872 -79.0 0.872 -79.0 0.872 -79.0 0.872 -79.0 0.872 -79.0 0.872 -79.0 0.872 -79.0 0.872 -90.4 0.772 -101.2 0.770 -100.2 0.770 -100.2 0.793 -96.4 0.802 -994.4 0.820 -994.5 0.965 -90.2	NO 96  N 343 28  INCD PHAZ 2  69.0 39.6 63.4 47.5 65.9 53.1 62.5 47.7 60.6 53.1 55.0 58.7 55.0 58.7 55.0 58.7 70.7 37.0 71.9 36.7 73.5 37.1 75.8 38.1 70.5 48.2 66.9 48.4 66.9 48.4 66.9 58.4	POD S  R  R  86.514 2.141  EHIS ALPHA 10.1 5.4 10.1 5.4 16.4 14.6 29.9 24.1 17.0 22.9 31.4 12.8 28.1 3.1 18.7 5.0 10.1 5.4 4.1 -3.8 4.9 4.9 13.8 13.8 23.0 22.8 23.0 22.8 23.0 22.8 23.0 33.6 4.1 -3.8 4.9 4.9 23.0 22.8 24.0 23.0 22.8 25.0 22.8 26.0 23.0 22.8 26.0 23.0 22.8 26.0 23.0 22.8 27.8 6.3 27.8 6.3 27.8 6.3 27.8 6.3 27.8 6.3 27.8 6.3 27.8 6.3	PTH AZ -71.460 116.458  SCALE PT-PT 0. 0-1 181.21256 1-2 165.68707 2-3 111.91162 3-4 119.32217 4-5 121.54717 5-6 134.06726 6-7 129.27863 7-8 119,81846 8-9 125.51460 9-10 15.15047 10-11 140.99350 11-12 105.71562 12-13 109.84306 31-14 116.89872 14-15 128.16433 15-16 103.33351 16-17 127.20411 17-18 142.31474 18-19 169.10424 19-20 159.86816 20-21 159.86816 20-21 159.86816 20-21 159.86816 20-21 159.86816 20-21 159.86816 20-21 159.86816 20-21 159.86816 20-21 138.30637 21-22 126.39786 22-23 120.14067 23-24

JULY 31,1964 13	HR 17 MIN 4	SEC 71	MS		TAB NO	97	ATL	AS PHOT	0 NO	97		POD	SEQUENCE NO 20
TRAJECTORY DATA					IMPACT	ALT 1140.65894	LA -5	T ( 547 -31	.ON	28	R 76.114	V 2.144	PTH AZ -71.415 116.45
PHOTO DATA													11.417 110.47
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A					AL PHA	SCALE PT-P
	7 1252.50908		6.6	-80.3	59.5	57.71456						28.6	0. 0-
	5 1197.57443 9 1151.42661		6.3	-80.9	52.4	56.91391		-90.2		47.5		14.4	179.23584 1-
	7 1169.56833	-28.8 -56.9	3.3 5.1	-80.5 -81.1	54.6 45.5	54.22745				53.1		5.5	164.25837 2-
	1 1207.40854	-68.4	6.8	-81.5		55.32070 56.82159		-85.2 -84.8		47.7		14.6	110.94142 3-
	1238.14400	-51.6	8.8	-82.0		58.56344		-90.3		42.3		24.0 24.1	118.29705 4- 120.48618 5-
	8 1293.84665	-40.1	11.4	-83.0	50.9	60.93476		-95.8		42.3		22.9	120.48618 5- 132.84954 6-
8 -16.803 -24.53	8 1248.54987	-27.2	8.0	-81.1		59.05592		-95.3		47.7		12.9	128.15527 7-
	5 1226.52278	-10.4	4.5	-79.3		57.72035		-94.9		53.1		3.2	118.77613 8-
10 -12.739 -28.91	8 1178.07899	-15.4	3.8	-79.7	61.1	55.72314	0.951	~90.2	59.7	52.9	18.7	5.0	124.36257 9-1
	9 1151.42661		3.3	-80.5	54.6	54.22745		-85.6	59.0	53.1	10.1	5.5	114.12631 10-1
	9 1142.36491	73.1	1.6	-81.1	58.4	50.93859	0.970	-82.2		58.7		-3.7	139.73828 11-1
	1143.26953		2.9	-81.3	48.2	52.37557		-81.6		53.5		5.0	104.76272 12-1
	4 1160.92087 1 1197.48853		4.2 5.4	-81.4	38.2	54.27737		-80.9		48.2		13.8	108.88489 13-1
	1 1256.55913	-87.8	6.5	-81.4 -81.0	30.8 24.9	55.69165 57.60588		-80.0 -79.0			23.0	22.8	115.88762 14-1
	4 1268.84308		8.5	-81.8		58.86444		-79.0 -84.2	70.0	37.8	34.4	32.1	127.03005 15-1
	5 1304.36833		11.2	-83.2	38.4	60.83546		-90.3		37.0 36.7		33.6 34.2	102.43418 16-1 126.08729 17-1
	3 1368.33691		14.8	-85.2		63.57688		-96.4		37.1		33.5	140.99275 18-1
	1472.15485		20.1	-88.5		67.53688				38.1		31.7	167.30806 19-2
	3 1382.63193		15.2	-84.8	56.0	64.24478				43.2		20.1	158.29320 20-2
	1 1329.06866		10.4	-81.9	63.0	61.98994	0.771			48.4		9.6	137.06162 21-2
	1302.57909	-7.8	5.6	-79.4	10.6	60.42845		~99.4	04.0	33. i	ن∙ة د	~ û. 5	125.27617 22 2
	1298.77660	6.3	0.8	-76.9	78.8	59.39545		-98.7		58.9		-9.8	119.03914 23-2
	1224.55052	8.3	1.0	-77.4	75.3	56.81390		-94.5		58.4		-6.1	138.17805 24-2
	7 1177.02376	12.4 23.6	1.2	-78.4 -79.7	71.1	54.90232		-90.2		58.2		-4.1	122.49471 25-2
	9 1142.36491	73.1	1.4	-81.1		53.06174 50.93859		-85.9 -82.2		58.4 58.7		-3.4	112.56342 26-2
20 01101 32110	, 1141.30431	13.1	1.0	-01.1	70.4	30.93639	0.910	-02.2	22.1	20.1	4.0	-3.7	92.70770 27-2
JULY 31,1964 13					TAB NO	98	ATL	AS PHOTO	O NO	98		POD 9	SEQUENCE NO 202
	HR 17 MIN 9	SEC 191	MS			30						. 05	
TRAJECTORY DATA	R 17 MIN 9	SEC 191	MS	SEC TO	IMPACT	ALT	LA		.ON		R	, 02 (	•
	R 17 MIN 9	SEC 191	MS		IMPACT		LA		.ON	28		v	•
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	SEC 191				ALT	LA	T L 579 -31	.ON		65.703	y 3 2.147	PTH AZ -71.370 116.44
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11-297 -19-17	RANGE 5 1241.19139			519.	.608 AZA	ALT 1130-24765	LA -5. B/A	T L 579 -31 AZPHAZ	.ON 1-217 INCD	PHAZ	65.703 Emis	V 3 2.147 ALPHA	PTH AZ -71.370 116.44 SCALE PT-P
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00	RANGE 5 1241-19139 7 1186-94183	AZS/C	AZN	519. AZSUN	.608 AZA 59.4	ALT 1130.24765 A* 57.19990 56.40860	LA -5. B/A 0.896 0.920	T L 579 -31 AZPHAZ	.ON 1-217 1NCD 69-0	PHAZ 39.7	65.703 Emis	y 3 2.147	PTH AZ -71.370 116.44 SCALE PT-P 0. 0-
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11-297 -19.17 2 -12-604 -25.00 3 -8-996 -29.06	RANGE 5 1241.19139 7 1186.94183 5 1141.07263	AZS/C -23.5 -37.7 -29.1	AZN 6.6 6.3 3.3	519. AZSUN -80.4 -80.9 -80.5	.608 AZA 59.4 52.3 54.4	ALT 1130.24765 A* 57.19990 56.40860 53.73984	B/A 0.896 0.920 0.993	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6	INCD 69-0 63-5 59-1	PHAZ 39.7 47.5 53.1	65.703 EMIS 31.8 23.0 10.2	V 3 2.147 ALPHA 28.6	PTH AZ -71.370 116.44 SCALE PT-P O. 0- 177.26022 1- 162.82722 2-
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39	RANGE 5 1241-19139 5 1141-07263 5 1159-17648	AZS/C -23.5 -37.7 -29.1 -57.0	AZN 6.6 6.3 3.3 5.1	519. AZSUN -80.4 -80.9 -80.5 -81.1	AZA 59.4 52.3 54.4 45.4	ALT 1130.24765 A• 57.19990 56.40860 53.73984 54.82911	LA -5. B/A 0.896 0.920 0.993 0.963	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2	INCD 69-0 63-5 59-1 62-6	PHAZ 39.7 47.5 53.1 47.7	EMIS 31.8 23.0 10.2 16.5	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3-
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48	RANGE 5 1241.19139 7 1186.94183 5 1159.17648 5 1159.17648 4 1196.74782	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3	AZN 6.6 6.3 3.3 5.1 6.8	519. AZSUN -80.4 -80.9 -80.5 -81.1 -81.5	AZA 59.4 52.3 54.4 45.4 38.0	ALT 1130.24765 A* 57.19990 56.40860 53.73984 54.82911 56.31979	LA -5. 8/A 0.896 0.920 0.993 0.963 0.915	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8	ON 1-217 INCD 69-0 63-5 59-1 62-6 66-5	PHAZ 39.7 47.5 53.1 47.7 42.3	EMIS 31.8 23.0 10.2 16.5 24.9	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0	PTH AZ -71.370 116.44 SCALE PT-P 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4-
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 5 1159.17648 4 1196.74782 7 1227.21712	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7	AZN 6.6 6.3 3.3 5.1 6.8 8.8	519. AZSUN -80.4 -80.9 -80.5 -81.1 -81.5 -82.0	AZA 59.4 52.3 54.4 45.4 38.0 44.9	ALT 1130-24765 A• 57-19990 56-40860 53-73984 54-82911 56-31979 58-04664	LA -5. 8/A 0.896 0.920 0.993 0.963 0.915	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3	ON 1-217 INCD 69-0 63-5 59-1 62-6 66-5 67-4	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0	EMIS 31.8 23.0 10.2 16.5 24.9 29.9	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1	PTH AZ -71.370 116.44 SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11	RANGE 5 1241-19139 7 1186-94183 5 1141-07263 5 1159-17648 4 1196-74782 1227-21712	AZS/C -23.5 -37.7 +29.1 -57.0 -68.3 -51.7 -40.2	AZN 6.6 6.3 3.3 5.1 6.8 8.8 11.4	519 AZSUN -80.4 -80.9 -80.5 -81.1 -81.5 -82.0 -83.0	AZA 59.4 52.3 54.4 45.4 38.0 44.9 50.8	ALT 1130.24765 A* 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238	LA -5. B/A 0.896 0.920 0.993 0.963 0.915 0.871 0.806	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	INCD 69.0 63.5 59.1 62.6 66.5 67.4	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3	EMIS 31.8 23.0 10.2 16.5 24.9 29.9 37.0	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9	PTH AZ -71.370 116.44 SCALE PT-P 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.750 -24.49	RANGE 6 1241-19139 7 1186-94183 5 1141-07263 5 1159-17648 4 1196-74782 7 1227-21712 1 1282-32961 5 1237-38388	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3	AZN 6.6 6.3 3.3 5.1 6.8 8.8 11.4	519 AZSUN -80.4 -80.9 -80.5 -81.1 -81.5 -82.0 -83.0 -81.1	AZA 59.4 52.3 54.4 45.4 38.0 44.9 50.8 58.0	ALT 1130.24765 Ae 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238 58.52771	LA -5. 8/A 0.896 0.920 0.963 0.963 0.915 0.871 0.806 0.858	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	ON 1-217 INCD 69-0 63-5 59-1 62-6 66-5 67-4 68-7 64-5	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3	EMIS 31.8 23.0 10.2 16.5 24.9 29.9 37.0 31.3	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 12.9	PTH AZ -71.370 116-44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6- 127.03012 7-
TRAJECTORY DATA  PMOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.750 -24.49 9 -16.782 -28.55	RANGE 5 1241-19139 7 1186-94183 5 1141-07263 5 1159-17648 4 1196-74782 7 1227-21712 4 1282-32961 1 2237-38988 1 1215-41878	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6	AZN 6.6 6.3 3.3 5.1 6.8 8.8 11.4	519. AZSUN -80.4 -80.9 -80.5 -81.1 -82.0 -83.0 -81.1 -79.4	AZA 59.4 52.3 54.4 45.4 45.4 46.9 50.8 50.8	ALT 1130.24765 A. 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238 58.52771 57.19772	LA -5. 8/A 0.896 0.920 0.993 0.963 0.915 0.871 0.806 0.858 0.891	T L 579 -31 AZPHAZ -93.5 -90.2 -85.2 -85.2 -84.8 -90.3 -95.8 -95.8	INC D 69-0 63-5 59-1 62-6 66-5 67-4 68-7 64-5 60-7	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1	EMIS 31.8 23.0 10.2 16.5 24.9 29.9 37.0 31.3 28.0	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 12.9 3.3	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 117.27007 4- 119.42240 5- 131.63107 6- 127.03012 7- 117.73230 8-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.750 -24.49 9 -16.782 -28.55 10 -12.723 -28.85	RANGE 5 1241-19139 7 1186-94183 5 1141-07263 5 1159-17648 4 1196-74782 7 1227-21712 4 1282-32961 1 2237-38988 1 1215-41878	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6	AZN 6.6 6.3 3.3 5.1 6.8 8.8 11.4	519 AZSUN -80.4 -80.9 -80.5 -81.1 -81.5 -82.0 -83.0 -81.1	.608 AZA 59.4 52.3 54.4 45.4 38.0 44.9 50.8 58.0 66.1 60.9	ALT 1130.24765 Ae 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39283 58.52771 57.19772	LA -5. 8/A 0.896 0.920 0.993 0.963 0.915 0.871 0.808 0.858 0.891	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2	INC D 69-0 63-5 59-1 62-6 66-5 67-4 68-7 64-5 60-7 59-8	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1	65.703 EMIS 31.8 23.0 10.2 16.5 24.9 29.9 37.0 31.3 28.0 18.7	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 12.9 3.3 5.1	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6- 127.03012 7- 117.73230 8- 123.20979 9-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.750 -24.49 9 -16.782 -28.55 10 -12.723 -28.85 11 -8.996 -29.06	RANGE 6 1241-19139 7 1186. 94183 5 1141-07263 6 1159-17648 4 1196. 74782 7 1227-21712 1 1282-32961 5 1237-38388 4 1215-41878	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6	AZN 6.6 6.3 3.3 5.1 6.8 8.8 11.4 8.0 4.5 3.8 3.3	519. AZSUN -80.4 -80.9 -80.5 -81.1 -81.5 -82.0 -83.0 -81.1 -79.8 -80.5	.608 AZA 59.4 52.3 54.4 45.4 38.0 44.9 50.8 58.0 66.1 60.1	ALT 1130.24765 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238 58.52771 57.19772 55.22230 53.73984	B/A 0.896 0.920 0.993 0.963 0.915 0.871 0.806 0.858 0.891 0.951	T [ [ 579 -3] AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -94.9 -90.2 -85.6	INCD 69-0 63-5 59-1 62-6 66-5 67-4 68-7 64-5 60-7 59-8	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1 52.9 53.1	65.703 EMIS 31.8 23.0 10.2 16.5 24.9 29.9 37.0 31.3 28.0 18.7	V 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 12.9 3.3 5.1	PTH AZ -71.370 1116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6- 123.20379 9-1 123.20379 9-1 113.10098 10-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.780 -24.49 9 -16.782 -28.55 10 -12.723 -28.83 11 -8.996 -29.06	RANGE 5 1241-19139 7 1186-94183 5 1141-07263 5 1159-17648 4 1196-74782 7 1227-21712 4 1282-32961 5 1237-38388 6 1167-48999 5 1141-07263	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -510.2 -27.3 -10.6 -15.6	AZN 6.6 6.3 3.3 5.1 6.8 8.8 11.4 8.0 4.5	519. AZSUN -80-4 -80-9 -80-5 -81-1 -81-5 -83-0 -81-1 -79-4 -79-8 -80-5	AZA 592-4 592-3 54-4 45-4 38-0 44-9 58-0 66-1 60-9 58-1	ALT 1130.24765 Ae 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39283 58.52771 57.19772	B/A 0.896 0.920 0.993 0.915 0.871 0.806 0.858 0.891 0.951 0.973	T [1579 -3] AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -90.2 -85.6 -82.2	ON -217 INC D 63-0 63-5 59-1 62-6 66-5 67-4 68-7 64-5 59-1 55-2	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1 52.9 53.1 58.7	65.703 EMIS 31.8 23.0 10.2 16.5 24.9 29.9 37.0 31.3 31.8 18.7 10.2	V 3 2.147 ALPHA 28.6 14.7 24.0 24.1 22.9 12.9 3.3 5.1 5.6	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6- 127.03012 7- 117.73230 8- 123.20379 9-1 113.10098 10- 138.4821 7-11
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.780 -24.49 9 -16.782 -28.55 10 -12.723 -28.83 11 -8.996 -29.06 12 -6.148 -32.67 13 -5.927 -29.23	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 5 1159.17648 4 1196.74782 7 1282.32961 5 1237.38388 6 1167.48799 6 1167.48798 8 1131.86882 1131.86882 1132.93558 11150.54758	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6 -15.6 -29.1 72.0	AZN 6.6 6.3 3.3 5.1 6.8 8.8 11.4 8.0 4.5 3.8 1.6	519. AZSUN -80.4 -80.9 -80.5 -81.1 -81.5 -82.0 -83.0 -81.1 -79.8 -80.5	AZA 59.4 52.3 54.4 438.0 44.9 50.8 66.1 60.9 54.4 48.1	ALT 1130.24765 A. 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 53.771 57.19772 55.22230 53.73984 50.46508	LA -5. 8/A 0.896 0.920 0.963 0.915 0.871 0.806 0.858 0.891 0.951 0.951 0.970 0.970	T [ [ 579 -3] AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -94.9 -90.2 -85.6	INC D 69.0 63.5 59.1 62.6 66.5 67.4 68.7 64.7 59.8 59.1 55.2 58.6	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1 52.9 53.1	EMIS 31.8 23.0 10.5 24.9 29.9 37.0 31.3 28.0 18.7 10.2	V 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 12.9 3.3 5.1	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 121.63107 6- 127.03012 7- 117.73230 8- 123.20979 9-1 133.1098 10-1 138.48217 11-1 103.80931 12-1
TRAJECTORY DATA  PMOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.750 -24.49 9 -16.782 -28.55 11 -8.996 -29.06 12 -6.148 -32.67 13 -5.927 -29.23 14 -5.680 -25.66	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 6 1159,17648 4 1196.74782 7 1227.21712 4 1282.32961 5 1237.3886 6 1215.41878 6 1167.48999 6 1167.48999 6 1161.07263 6 1131.86882 7 1132.93558 1 1136.95281	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6 -15.6 -29.1 72.0 -76.1 -84.9	AZN 6.6 6.3 3.5.1 6.8 8.4 8.0 4.5 3.8 3.3 1.6 2.9 4.25	519. AZSUN -80.9 -80.5 -81.5 -82.0 -81.1 -79.8 -81.0 -81.3 -81.3 -81.3	AZA 59.4 52.3 54.4 45.4 38.0 44.9 50.8 66.1 60.9 58.1 48.1 38.2	ALT 1130-24765 57-19990 56-40860 53-73984 54-82911 56-31979 58-04664 60-39-238 68-52771 57-19772 55-22230 53-73984 50-46508 51-9905 53-779219 55-19674	LA -5. 8/A 0.896 0.993 0.963 0.915 0.871 0.858 0.858 0.891 0.951 0.993 0.970 0.986 0.993	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.8 -90.3 -95.8 -95.3 -94.9 -90.2 -85.6 -80.9 -80.9	ON 1-217 1NCD 69-0 63-5 59-1 62-6 66-7 68-7 64-5 60-7 59-8 59-1 55-2 58-6 62-1	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1 53.1 58.7 53.5	65.703 EMIS 31.8 23.0 10.2 16.5 24.9 29.9 37.0 31.3 28.0 18.7 10.2 3.9	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 12.9 15.6 -3.6	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6- 127.03012 7- 117.73230 8- 123.20379 9-1 113.10098 10- 138.4821 7-11
TRAJECTORY DATA  PMOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.750 -24.49 9 -16.782 -28.55 10 -12.723 -28.83 11 -8.996 -29.06 12 -6.148 -32.67 13 -5.927 -29.23 14 -5.680 -25.66 15 -5.997 -21.86 16 -5.067 -17.70	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 6 1159.17648 4 1196.74782 7 1282.32961 5 1237.38388 6 1167.4899 6 1167.4899 6 1141.07263 8 1131.86882 9 1132.93558 1 1150.54758 1 1186.85281 1 1245.38484	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -27.3 -10.6 -29.1 72.0 -76.1 -84.9 -86.9	AZN 6.6 6.3 3.3 5.1 6.8 8.8 1.4 6.5 3.8 3.3 6.2 9 4.2 5.4 6.5	519. AZSUN -80-4 -80-9 -80-5 -81-1 -81-5 -82-0 -81-1 -79-8 -80-5 -81-0 -81-3 -81-4 -81-3	AZA 59.4 52.3 45.4 38.9 50.8 58.0 66.1 60.9 54.4 58.1 38.2 30.9	ALT 1130-24765 A-9990 56-40860 53-73984 54-82911 56-31979 58-04664 60-39238 58-52771 57-19772 55-22230 53-73984 50-46508 51-99905 53-79219 55-19674 57-19674	LA -5. 8/A 0.896 0.920 0.963 0.963 0.871 0.858 0.858 0.859 0.971 0.993 0.974 0.984 0.984 0.985	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -90.3 -95.8 -90.3 -95.8 -90.2 -81.6 -82.2 -81.6	ON -217 INC D 69.0 63.0 59.1 62.6 66.5 67.4 68.7 64.5 59.1 55.2 58.6 62.1 65.9	PHAZ 39.7 47.5 53.1 42.3 42.0 42.3 47.7 53.1 52.9 53.1 58.5 48.2	65.703 EMIS 31.8 23.0 10.2 16.5 24.9 29.9 37.0 31.3 28.0 18.7 10.2 3.9 5.1 13.9 23.0	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 3.3 5.1 5.6 -3.6 5.1	PTH AZ -71.370 116-44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6- 127.03012 7- 127.73230 8- 123.20979 9-1 133.10098 10-1 138.48217 11- 103.80931 12-1 107.92540 13- 114.8789 14-1
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.297 -19.17  2 -12.604 -25.00  3 -8.996 -29.06  4 -8.805 -25.39  5 -8.602 -21.48  6 -12.504 -20.90  7 -16.781 -20.11  8 -16.750 -24.49  9 -16.782 -28.55  10 -12.723 -28.85  11 -8.996 -29.06  12 -6.148 -32.67  13 -5.927 -29.23  14 -5.680 -25.66  15 -5.397 -21.86  16 -5.067 -17.70  17 -8.380 -17.18  8 -12.426 -16.36	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 6 1159.17648 4 1196.74782 7 1227.21712 6 1282.32961 8 1215.41878 5 1167.4899 9 1141.07263 8 1131.86882 1 1132.93558 1 1150.54758 1 1168.85281 1 1245.38684 1 1245.38684 1 1257.62514	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6 -15.6 -29.1 72.0 -76.1 -84.9 -86.9 -87.7 -74.1	AZN 6.63 3.3 5.1 6.8 8.8 11.4 8.5 3.8 3.6 2.9 4.5 4.5 5.1 6.5	519. AZSUN -80-4 -80-9 -80-5 -81-1 -81-5 -82-0 -83-0 -81-1 -79-8 -80-5 -81-3 -81-4 -81-8 -81-8	AZA 59.4 52.3 45.4 45.4 45.4 45.6 66.1 66.1 66.9 58.1 48.1 38.9 25.0 31.7	ALT 1130-24765 A- 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238 58.52771 57.19772 55.22230 53.73984 50.46508 51.79219 55.19674 57.09332 58.34396 60.29730	LA -5. 8/A 0.896 0.920 0.993 0.915 0.871 0.806 0.858 0.891 0.993 0.970 0.984 0.939 0.873 0.873	T LI 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -90.3 -94.9 -82.2 -81.6 -80.9 -80.9 -79.0 -79.0 -84.2	ON 1-217 INC D 69-0 63-5 59-1 62-6 66-5 60-7 59-8 59-1 55-2 58-6 62-1 155-2 70-7 71-8	PHAZ 47.5 53.1 47.7 42.3 42.0 42.3 47.7 53.1 52.9 53.1 53.5 48.2 43.0 37.8 37.8	65.703 EMIS 23.0 10.2 16.5 24.9 29.9 37.0 31.3 28.0 18.7 10.2 3.9 5.1 13.9 23.0 32.4 38.1	V 3 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 22.9 12.9 12.9 15.6 5.1 13.9 22.1 33.6 34.1	PTH AZ -71.370 116.44  SCALE PT-P 0. 0.77.26022 1- 102.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 127.03012 7- 117.73230 8- 123.20979 9-1 138.49217 11-1 103.80931 12-1 104.87889 4-1 125.898427 15-1 101.53350 16-1 124.96895 17-1
TRAJECTORY DATA  PMOTO DATA  PT 1.AT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.906 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.41 8 -16.750 -24.49 9 -16.782 -28.55 10 -12.723 -28.83 11 -8.996 -29.06 12 -6.148 -32.67 13 -5.927 -29.23 14 -5.680 -25.66 15 -5.927 -21.68 16 -5.067 -17.70 18 -12.426 -16.36	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 5 1159.17648 4 1196.74782 7 1282.32961 5 1237.38388 6 1167.48999 5 1141.07263 8 1131.86882 1132.93558 1 1186.85281 1 1257.62514 1 1257.62514 1 1257.62514 1 1257.62514 1 1257.62514	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6 -15.6 -29.1 -76.1 -74.1 -84.9 -86.9 -74.1 -60.4	AZN 6.63 3.3 5.1 6.8 8.4 4.5 3.8 3.3 1.9 4.2 5.5 8.5 11.2	519. AZSUN 4-80-9-80-5-81-1-79-4-79-4-81-0-81-0-81-0-81-0-81-0-81-0-81-0-81	AZA 59.4 52.3 54.4 45.4 34.9 50.8 66.1 60.9 48.1 38.2 30.0 31.7 38.4	ALT 1130.24765 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238 53.72915 55.22230 53.73984 50.46508 51.90905 53.79215 53.79215 53.79215 53.79216 53.79216 53.79216 53.79216 53.79216 53.79216 53.79216 53.79216	LA -5. 8/A 0.896 0.920 0.963 0.915 0.871 0.806 0.858 0.991 0.991 0.994 0.986 0.937 0.984 0.937 0.878 0.878 0.984	T L S S S S S S S S S S S S S S S S S S	ON 1-217 1NC D 69-0 63-5 59-1 59-1 559-2 662-1 65-9 70-7 71-8 73-4	PHAZ 39.7 47.5 53.1 47.7 42.0 42.3 47.7 53.1 58.7 53.5 48.0 37.8 37.0 37.1	65.703 EMIS 31.8 23.0 10.2 14.9 29.9 37.0 31.3 28.0 18.7 10.2 3.9 5.1 13.9 23.4 34.0 34.1	V 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 3.3 5.1 -3.6 -3.6 5.1 13.9 22.9 33.6 34.1	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6- 127.03012 7- 117.73230 8- 123.20979 9-1 133.10098 10-1 138.48217 11-1 103.80931 12-1 104.87489 14-1 125.89427 15-1 101.53350 16-1 124.96895 11- 101.53550 16-1 124.96895 11- 124.96895 11- 124.96895 11- 139.67042 18-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.297 -19.17  2 -12.604 -25.00  3 -8.996 -29.06  4 -8.805 -25.39  5 -8.602 -21.48  6 -12.504 -20.90  7 -16.781 -20.11  8 -16.750 -24.49  9 -16.782 -28.55  10 -12.723 -28.83  11 -8.996 -29.06  12 -6.148 -32.67  13 -5.927 -29.23  14 -5.680 -25.66  15 -5.397 -21.86  16 -5.067 -17.70  17 -8.380 -17.18  8 -12.426 -16.36  19 -16.996 -15.19	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 6 1159.17648 4 1196.74782 7 1227.21712 4 1282.32961 5 1237.38388 1 1215.41878 5 1167.48999 6 1141.07263 8 1131.86882 8 1131.86882 1 1150.54758 1 1150.54758 1 1150.54758 1 1292.38484 1 1257.62516 1 1292.82663 1 1292.82663	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6 -15.6 -29.1 -84.9 -86.9 -86.9 -86.4 -41.4	AZN 6.6 6.3 3.3 5.1 6.8 8.8 11.4 4.5 3.3 1.6 2.9 2.9 4.5 5.4 6.5 5.1	519. AZSUN -80.4 -80.9 -80.9 -81.1 -81.5 -82.0 -83.0 -79.8 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3	AZA 59.4 52.3 44.9 50.8 566.1 60.9 58.1 48.1 30.9 25.0 38.4 44.6	ALT 1130.24765 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238 58.52771 57.19772 55.22230 53.73984 50.46508 51.90905 53.779219 55.19674 57.09332 58.34396 60.29730 66.91165	LA -5. 8/A 0.896 0.920 0.963 0.915 0.871 0.858 0.851 0.951 0.993 0.970 0.984 0.939 0.871 0.940 0	T 1 579 -31 -93.5 -90.2 -85.6 -85.2 -85.8 -90.3 -95.8 -90.3 -95.8 -95.3 -94.9 -90.2 -81.6 -80.9 -79.0 -79.0 -84.2 -90.3 -96.4 -102.3	INCD 69-0 63-55-1 62-6 66-5-56-1 68-7 64-5-560-7 59-8 59-1 55-2 58-6 62-1 65-9 70-0 71-8 73-4	PHAZ 39.7 47.5 53.1 47.7 42.3 42.0 42.3 47.7 52.9 53.1 52.9 53.5 48.0 37.8 37.0 36.7 37.1	65.703 EMIS 23.0 10.2 10.2 24.9 29.9 37.0 328.0 18.7 10.2 3.1 13.9 23.0 34.0 38.1 44.4	V 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 3.3 5.1 5.6 -3.6 5.1 13.9 32.1 33.6 34.1 33.6	PTH AZ -71.370 116-44  SCALE PT-P 0. 0- 177.26022 1- 109.96982 3- 117.27007 4- 119.42340 5- 121.63107 6- 121.73230 8- 123.20979 9-1 131.10098 10-1 138.48217 11- 103.80931 12-1 107.92540 13-1 107.92540 13-1 14.87489 14-1 125.89427 15-1 101.53350 16-1 124.96895 17-1 139.67042 18-1 139.67042 18-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.780 -24.49 9 -16.782 -28.55 10 -12.723 -28.83 11 -8.996 -29.06 12 -6.148 -32.67 13 -5.927 -29.26 14 -5.680 -25.66 15 -5.997 -21.86 16 -5.067 -17.70 17 -8.380 -17.18 8 -12.426 -16.36 19 -16.696 -15.19 20 -22.096 -13.41	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 5 1159.17648 4 1196.74782 1 282.32961 5 1237.38388 4 1215.41878 5 1167.48999 5 1141.07263 5 1131.86882 4 1132.93558 1 1150.54758 1 1186.85281 1 1245.38484 1 1257.62514 6 1292.82663 2 1356.07936 2 1458.52350 2 1458.52350 2 1376.03113	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -40.2 -27.3 -10.6 -15.6 -29.1 -76.1 -84.9 -86.9 -86.9 -86.9 -74.1 -40.4 -41.4	AZN 6.6 6.3 3.3 5.1 6.8 8.4 8.0 4.5 8.3 1.6 6.5 11.2 9 4.2 14.8 20.0 15.2	519. AZSUN 4-80-9-80-5-81-15-82-0-83-0-83-0-83-0-81-3-81-4-81-3-81-4-81-3-81-84-88-8-2-88-8-2-88-8-8-8-8-8-8-8-8-8-8	AZA 59.4 52.4 54.4 45.4 45.4 45.8 58.0 66.1 65.1 38.2 30.0 31.7 44.4 49.6	ALT 1130.24765 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238 50.39238 50.46508 50.46508 50.46508 51.79219 55.19674 57.09332 58.34396 60.29730 66.91165 66.3615917	LA -5. 8/A 0.896 0.992 0.963 0.963 0.971 0.806 0.871 0.991 0.991 0.984 0.931 0	T L 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.6 -95.8 -95.3 -95.9 -90.2 -85.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3	ON -217 INC D 69-0 63-55 59-1 62-6 66-5 764-5 60-7 59-8 59-1 65-9 70-7 71-8 73-4 75-7 70-5	PHAZ 39.7 47.5 53.1 47.7 42.0 42.3 47.7 52.9 53.1 58.7 48.0 37.8 37.8 36.7 37.1 38.2	65.703 EMIS 23.0 10.25 24.9 237.0 31.3 28.0 10.2 24.9 37.0 31.3 28.0 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10	V 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 12.9 3.3 5.1 5.6 -3.6 3.6 33.6 33.6 33.6 33.6 33.6 20.1	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 17.27007 4- 119.42340 5- 121.733012 7- 117.7330 8- 123.20379 9-1 133.10098 10-1 138.48217 11- 103.80931 12-1 103.80931 12-1 104.87489 14-1 105.3950 16-1 124.96895 17-1 139.67082 18-1 165.51715 19-1 165.51715 19-1 165.51715 19-1
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TRAJECTORY DATA  PMOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 7 -16.781 -20.11 8 -16.750 -24.49 9 -16.782 -28.55 11 -8.996 -29.06 12 -6.148 -32.67 13 -5.927 -29.23 14 -5.680 -25.66 15 -5.997 -21.86 16 -5.067 -17.70 17 -8.380 -17.18 18 -12.426 -16.36 19 -16.896 -15.19 20 -22.096 -13.41 21 -21.680 -18.97 22 -21.457 -23.78 23 -21.366 -28.18	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 6 1159.17648 4 1196.74782 6 1227.21712 6 1227.21712 6 1237.38388 6 1215.41878 6 1167.48399 6 1141.07263 8 1131.86882 8 1132.93558 1 1150.54758 1 1166.525250 1 136.9356 1 124.0736 1 125.4251 1 126.52530 1 136.9353 1 136.9355 1 136.9353 1 136.9355 1 136.935 1 136	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.3 -10.6 -15.6 -29.1 -72.0 -76.1 -84.9	AZN 6.6 6.3 3.3 5.1 6.8 8 11.4 8.5 3.8 31.6 9 4.2 5.4 6.5 11.2 8 20.2 10.4 6.6 0.8	519. AZSUN -80.49-80.5-81.5-82.00-81.1-79.8-81.3-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.3-81.0-81.0-81.3-81.0-81.0-81.0-81.0-81.0-81.0-81.0-81.0	AZA 59.43 54.4 45.0 54.4 45.0 58.0 660.9 54.4 48.1 330.9 25.7 38.4 49.6 55.8 70.5	ALT 1130.24765 57.19990 56.40860 53.73984 54.82911 56.31979 78.04664 60.39238 88.52771 57.19772 55.22230 53.73984 50.4658 51.90905 53.77219 55.19674 57.09332 58.34396 60.29730 63.00756 66.91165 63.65917 61.42424 59.87071	LAA -5.  B/A 0.496 0.920 0.993 0.963 0.963 0.961 0.965 0.971 0.973 0.974 0.986 0.971 0.973 0.974 0.986 0.974	T 1 579 -31 -93.579 -90.2 -85.6 -85.2 -90.3 -95.8 -95.3 -94.9 -90.2 -81.6 -80.9 -82.2 -81.6 -80.9 -80.9 -84.2 -90.3 -90.3 -90.4 -102.3 -101.2 -99.4	ON 1-217 INC D 69-0 63-5 59-1 62-6 66-5 60-7 -4 45-7 59-8 59-1 65-9 70-0 70-7 71-8 73-4 75-7 70-5 66-0 58-3	PHAZ7 47.5 53.1 42.3 42.3 42.3 53.9 53.9 53.9 53.9 53.9 37.0 37.0 37.1 343.4 48.7 58.9	65.703 EMIS 31.8 23.01 10.2 216.5 24.9 237.0 318.7 10.2 29.9 37.0 32.4 34.0 144.4 652.6 740.7 37.4	V 2.147 ALPHA 28.6 14.5 5.6 14.7 24.0 24.1 22.9 12.9 3.5 5.1 13.9 22.9 34.1 33.6 34.1 31.6 20.1 9.7 -0.7	PTH AZ -71.370 1116-44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 131.63107 6- 127.03012 7- 117.73230 8- 123.20979 9-1 133.10098 10-1 103.80931 12-1 103.80931 12-1 101.53350 16-1 124.96895 17-1 125.89427 15-1 101.53350 16-1 124.96895 17-1 125.81577 21-2 135.81577 21-2 124.15722 22-2
TRAJECTORY DATA  PMOTO DATA  PT LAT LON 1 -11.297 -19.17 2 -12.604 -25.00 3 -8.996 -29.06 4 -8.805 -25.39 5 -8.602 -21.48 6 -12.504 -20.90 6 -18.75 -24.49 9 -16.782 -28.55 10 -12.723 -28.83 11 -8.996 -29.06 12 -6.148 -32.67 13 -5.927 -29.23 14 -5.680 -25.66 15 -5.997 -21.86 16 -5.067 -17.70 17 -8.380 -17.18 8 -12.426 -16.36 19 -16.896 -15.19 20 -22.996 -13.41 21 -21.680 -18.97 22 -21.457 -23.78 24 -21.381 -32.36 25 -16.686 -32.43	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 5 1159.17648 4 1196.74782 4 1282.32961 5 1237.38388 6 1141.07263 8 1131.86882 4 1132.93558 1 1136.85281 1 1245.38484 4 1257.6251 2 1292.82663 2 1356.07936 2 1292.82663 2 1356.07936 2 1368.52350 0 1370.03113 6 1316.94479 1 286.55946	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.7 -27.3 -10.6 -15.6 -29.1 -76.1 -84.9 -86.9 -87.7 -74.1 -60.4 -49.6 -41.6 -32.4 -21.2 -6.1	AZN 6-6 6-3 3-1 6-8 8-8 11-4 5-3 1-9 4-5 3-8 3-3 1-9 4-2 10-4 6-5 11-2 10-4 6-5 11-2	519 AZSUN N -80-9 -80-9 -81-1 -81-5 -82-0 -83-0 -79-8 -81-3 -81-3 -81-3 -81-3 -81-3 -81-8 -81-3 -81-8 -81-7-7-0 -77-0	AZA43 592.43 545.44 438.0 450.0 450.0 450.0 460.9 48.1 38.9 318.4 449.6 58.1 495.8 4	ALT 1130 - 24765 AP 990 56 - 40860 53 - 73984 54 - 82911 56 - 31979 58 - 04664 60 - 39238 58 - 52771 57 - 1977 55 - 22230 53 - 73984 50 - 46508 51 - 79219 55 - 19674 67 - 1975 68 - 29730 63 - 65917 61 - 42424 69 - 87071 58 - 83655 69 - 987071 58 - 83655 66 - 29730 67 - 65917 68 - 65917 61 - 42424 69 - 87071 58 - 83655 66 - 29730 67 - 65917 67 - 65917 67 - 65917 68 - 6591	LAA -5.  B/A 0.896 0.896 0.993 0.915 0.871 0.991 0.991 0.991 0.993 0.971 0.993 0.971 0.987 0.971 0.987	T 1 579 -31 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -94.9 -80.0 -79.0 -84.2 -90.3 -94.5 -101.2 -90.4 -101.2 -90.4	ON -217 INCD 69-0 66-5 59-1 62-6 68-7 64-5 59-1 70-0 77-1-8 77-70-5 66-0 62-0 62-0 58-3	PHAZ7 47.5 53.17 42.0 42.0 42.7 52.17 52.17 53.5 48.0 367.1 367.1 367.1 367.1 367.1 367.1	65.703 EMIS 31.8 23.0 1.6.5 24.9 23.0 31.3 32.4 3.0 3.1 3.3 3.3	V 2.147 ALPHA 28.6 14.5 14.7 24.0 12.9 12.9 1.3 5.1 -3.6 -3.6 -3.6 34.1 133.4 31.6 20.1 9.7 -9.7 -6.0	PTH AZ -71.370 116.44  SCALE PT-P 0. 177.26002 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 127.03012 7- 117.73230 8- 123.20979 9-1 13.10098 10-1 138.48217 11- 103.80931 12- 104.96895 17-1 105.89940 13-1 114.87489 4- 125.89427 15-1 101.53550 16-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.297 -19.17  2 -12.604 -25.00  3 -8.996 -29.06  4 -8.805 -25.39  5 -8.602 -21.48  6 -12.504 -20.90  7 -16.781 -20.11  8 -16.750 -24.49  9 -16.782 -28.55  10 -12.723 -28.83  1 -8.996 -29.06  12 -6.148 -32.67  13 -5.927 -29.23  14 -5.680 -25.66  15 -5.397 -21.86  15 -5.397 -21.86  16 -5.667 -17.70  17 -8.380 -17.18  8 -12.426 -16.36  19 -16.996 -15.19  0 -22.906 -13.41  21 -21.880 -18.97  22 -21.366 -28.18  24 -21.381 -32.36  25 -16.866 -32.51  26 -12.861 -32.51	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 5 1159.17648 4 1196.74782 7 1227.21712 4 1282.32961 5 1237.38388 1 1215.41878 5 1167.48999 5 1141.07263 8 1131.86882 1 11245.38484 4 1257.62514 1 1245.38484 4 1257.62514 5 1292.82663 2 1356.07936 6 1292.82663 2 1356.07936 6 1292.82663 2 1356.07936 8 11316.94479 8 1290.55241 9 1286.55946 9 1286.55956 1 166.25645 1 1213.25615 1 1166.25645	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.3 -10.6 -15.6 -15.6 -17.0 -184.9 -86.9 -87.7 -74.1 -60.4 -41.4 -32.4 -8.0 -8.1 -8.1	AZN 6.6 6.3 3 5.1 1 6.8 8.8 11.4 4 8.5 20.0 21.4 8.5 20.0 4.5 6.5 6.5 6.5 6.5 11.4 8.5 20.0 6.8 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	519 AZSUN -80-9 -80-9 -81-1 -81-5 -82-0 -83-1 -79-8 -81-1 -81-3 -81-4 -85-2 -88-2 -84-8 -87-7 -77-5	AZA 592.3 545.4 38.0 56.1 56.0 66.1 58.1 38.2 25.0 38.2 70.6 57.3 38.2 70.5 70.7	ALT 1130.24765 57.19990 56.40860 53.73984 54.82911 56.31979 58.04664 60.39238 83.52771 57.122230 53.73984 50.46508 51.90905 53.77219 55.19674 57.09332 63.00756 66.9176 64.65917 61.42424 59.87075 68.34396 69.65917 61.42424 59.87075 68.3655 56.28986	LA5.  8	T 1 5779 -31 779 -37 -90.2 -85.6 6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.2 -85.6 -80.9 -90.2 -81.6 -80.9 -79.0 -84.2 -90.3 -96.4 -102.3 -101.2 -99.4 -102.3 -101.2 -99.4 -98.7 -94.5 -90.4 -98.7 -94.5 -90.5	ON217 INCD 63.5 59.1 1 62.6 66.5 66.5 66.7 4 68.7 64.5 59.1 1 55.2 2 58.6 60.7 7.7 1.8 8 65.9 1 55.2 58.6 60.0 658.3 57.1 556.3	PHAZ7 47.51 47.51 42.3 47.7 42.3 47.7 52.1 53.8 37.8 37.1 483.7 58.4 483.7 58.4 58.4 58.4 58.4 58.4 58.4	65.703 1.8 31.8 23.0 23.0 16.5 24.99 37.0 31.3 39 23.0 32.4 40.4 45.7 40.7 37.4 40.7 37.4 40.7	V 2.147 ALPHA 28.6 14.5 5.6 14.7 22.9 3.3 5.1 13.9 32.1 33.4 31.6 20.1 -0.7 -0.7 -6.0	PTH AZ -71.370 116.44  SCALE PT-P 0. 0- 177.26022 1- 162.82722 2- 109.96982 3- 117.27007 4- 131.63107 6- 131.63107 6- 127.03012 7- 117.73230 8- 123.20979 9-1 133.10098 10-1 103.80931 12-1 107.92540 13-1 101.53550 16-1 124.96895 17-1 101.53550 16-1 124.96895 17-1 101.53550 16-1 124.96895 17-1 105.51715 19-2 156.72024 20-2 135.81577 21-2 124.15722 23-2 136.76602 24-2 121.33451 25-2
TRAJECTORY DATA  PMOTO DATA  PT LAT	RANGE 5 1241.19139 7 1186.94183 5 1141.07263 5 1159.17648 4 1196.74782 7 1227.21712 4 1282.32961 5 1237.38388 1 1215.41878 5 1167.48999 5 1141.07263 8 1131.86882 1 11245.38484 4 1257.62514 1 1245.38484 4 1257.62514 5 1292.82663 2 1356.07936 6 1292.82663 2 1356.07936 6 1292.82663 2 1356.07936 8 11316.94479 8 1290.55241 9 1286.55946 9 1286.55956 1 166.25645 1 1213.25615 1 1166.25645	AZS/C -23.5 -37.7 -29.1 -57.0 -68.3 -51.3 -10.6 -15.6 -15.6 -17.0 -184.9 -86.9 -87.7 -74.1 -60.4 -41.4 -32.4 -8.0 -8.1 -8.1	AZN 6.6 6 6.3 3 5.1 1 6.8 8 8 8 1 14.4 6.5 5 5.4 6.5 5 5.4 6.5 5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6	519 AZSUN N -80-9 -80-9 -81-1 -81-5 -81-0 -81-1 -79-8 -81-3 -81-3 -81-3 -81-3 -81-8 -81-8 -81-9 -81	AZ-43 592-43 592-45 545-4 38-9 58-1 58-1 58-1 58-1 58-1 38-9 58-1 58-1 58-1 58-1 58-1 58-1 58-1 58-1	ALT 1130 - 24765 AP 990 56 - 40860 53 - 73984 54 - 82911 56 - 31979 58 - 04664 60 - 39238 58 - 52771 57 - 1977 55 - 22230 53 - 73984 50 - 46508 51 - 79219 55 - 19674 67 - 1975 68 - 29730 63 - 65917 61 - 42424 69 - 87071 58 - 83655 69 - 987071 58 - 83655 66 - 29730 67 - 65917 68 - 65917 61 - 42424 69 - 87071 58 - 83655 66 - 29730 67 - 65917 67 - 65917 67 - 65917 68 - 6591	LAA 0.496 0.920 0.932 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.972 0.984 0.986 0.991 0.986 0.992 0.772 0.986 0.972 0.986 0.992 0.772 0.986 0.992 0.772 0.986 0.992 0.772 0.965 0.966 0.992 0.992 0.992 0.992	T 1 579 -31 2PHAZ -90.2 -85.6 6-85.2 -84.8 -90.3 -95.3 -95.3 -94.9 -80.0 -79.0 -84.2 -90.3 -94.2 -102.3 -101.2 -90.4 -102.3 -101.2 -90.4 -90.4 -90.5	ON . 217	PHAZ7 47.5 53.17 42.0 42.0 42.7 52.17 52.17 53.5 48.0 367.1 367.1 367.1 367.1 367.1 367.1	65.703 EMIS 31.88 23.00 16.55 22.99 23.70 22.99 37.00 18.72 3.99 23.00 34.40 34.00 34.40 45.77 40.77 37.94 27.77 18.46	V 2.147 ALPHA 28.6 14.5 14.7 24.0 12.9 12.9 1.3 5.1 -3.6 -3.6 -3.6 34.1 133.4 31.6 20.1 9.7 -9.7 -6.0	PTH AZ -71.370 116.44  SCALE PT-P 0. 177.26002 1- 162.82722 2- 109.96982 3- 117.27007 4- 119.42340 5- 127.03012 7- 117.73230 8- 123.20979 9-1 13.10098 10-1 138.48217 11- 103.80931 12- 104.96895 17-1 105.89940 13-1 114.87489 4- 125.89427 15-1 101.53550 16-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1 124.96895 17-1 139.67042 18-1

		RA-VII	CAMERA	A FA						50
JULY 31,1964 13 HR 17 MIN 14	SEC 311 MS	1	TAB NO	99	ATLA	\$ РНОТО	NO	99	POD S	EQUENCE NO 204
TRAJECTORY DATA		SEC TO		ALT	LAT 3 -5.6			2055		PTH AZ -71.324 116.433
PHOTO DATA		514.	408	1119.82468	-3.0	10 -31.	134	2000	.260 2.150	-71.524 110.433
PT LAT LON RANGE	AZS/C AZI	AZSUN	AZA	A+	B/A	AZPHAZ	INCD	PHAZ EI	MIS ALPHA	SCALE PT-PT
1 -11.288 -19.195 1229.85913	-23.6 6.0		59.2	56.68463				39.7 3		0. 0-1
2 -12.590 -24.958 1176.29572	-37.8 6		52.2	55.90265				47.5 2		175.28175 1- 2
3 -9.014 -28.981 1130.70714 4 -8.825 -25.344 1148.77141	-29.5 3. -57.0 5.		54.3	53.25169 54.33690	0.993			53.1 10		161.39410 2- 3 108.99694 3- 4
4 -8.825 -25.344 1148.77141 5 -8.624 -21.466 1186.07283	-68.3 6		45.4 38.0	55.81734				47.7 10		116.24162 4- 5
6 +12.491 -20.895 1216.27582	-51.7 8.		44.8	57.52914	0.71			42.0 2		118.35940 5- 6
7 -16.729 -20.111 1270.79945	-40.3 11.		50.7	59.84938				42.4 3		130.41204 6- 7
8 -16.698 -24.451 1226.20552	-27.4 8.	-B1.2	57.9	57.99892	0.859	-95.3		47.7 3		125.90361 7-8
9 -16.728 -28.473 1204.30440	-10.8 4.		65-8	56.67460				53.1 2		116.66723 6- 9
10 -12.708 -28.753 1156.88937	-15.9 3.		60.7	54.72091				52.9 1		122.05667 9-10
11 -9.014 -28.981 1130.70714, 12 -6.192 -32.557 1121.36450	-29.5 3. 70.8 1.		54.3 57.8	53.25169 49.99150				53.1 14	0.2 5.7 3.9 -3.4	112.07461 10-11 137.22493 11-12
13 +5.973 -29.149 1122.59090	-75.8 2.		48.0	51.44208					5.2 5.1	102.85528 12-13
14 -5.728 -25.608 1140.16187	-84.7 4.		38.2	53.30644				48.2 1		106.96474 13-14
15 -5.448 -21.841 1176.20372	-86.7 5.		31.0	54.70122				43.0 2		113.86074 14-15
16 -5.121 -17.718 1234.19739	-87.7 6.	-81.0	25.1	56.58016		-79.0	70.0	37.8 3	2.4 32.1	124.75753 15-16
17 -8.404 -17.205 1246.39305	-74.0 8.		31.7	57.82283				37.0 3		100.63175 16-17
18 -12.414 -16.394 1281.27087	-60.4 11.		38.4	59.75847				36.7 3		123.84926 17-18
19 -16.842 -15.235 1343.81036	-49.6 14.		44.3	62.43771				37.1 4. 38.1 5		138.34825 18-19 163.73289 19-20
20 -21.989 -13.483 1444.89085 21 -21.578 -18.982 1357.42276	-41.4 19. -32.5 15.		55.8	63.07320				43.2 4		155.15077 20-21
22 -21.357 -23.750 1304.81276	-21.3 10.		62.7	60.85816				48.4 4		134.56949 21-22
23 -21.266 -28.109 1278.53955	-8.1 5.		70.1	59.31270				53.7 3		123.03537 22-23
24 -21.278 -32.249 1274.34035	5.9 0.		78.2	58.27756	0.824		58.3	58.9 3		116.83587 23-24
25 -16.810 -32.317 1201.95471	7.9 1.		74.7	55.76549		-94.5		58.4 2		135.35660 24-25
26 -12.843 -32.394 1155.47672	11.7 1.		70.4	53.89742				58.2 1		120.17452 25-26
27 -9.196 -32.478 1129.60631	22.3 1.		62.9 57.8	52.08227 49.99150				58.4	9.7 -3.1 3.9 -3.4	110.50081 26-27 91.01550 27-28
28 -6.192 -32.557 1121.36450	70.8 1.									
		-01.0	,	49.99130	0.970	-82.2	22. 3	30.1	3.7 - 3.7	71.01330 21 20
	1010 11									
JULY 31,1964 13 HR 17 MIN 19			AB NO	100		S PHOTO				EQUENCE NO 206
JULY 31,1964 13 HR 17 HIN 19		1	rab no	100	ATLA	s <b>РНО</b> ТО	NO	100	POD S	EQUENCE NO 206
		SEC TO	TAB NO	100 ALT	ATLA LAT	S PHOTO	NO N	100	POD S	EQUENCE NO 206
JULY 31,1964 13 HR 17 MIN 19 TRAJECTURY DATA		1	TAB NO	100	ATLA LAT	s <b>РНО</b> ТО	NO N	100	POD S	EQUENCE NO 206
JULY 31,1964 13 HR 17 MIN 19 TRAJECTURY DATA PHOTO DATA	SEC 431 MS	SEC 10 509.	TAB NO IMPACT 368	100 ALT 1109.39084	ATLA LAT 4 -5.6	S PHOTO	NO IN .090	100 2844	POD S R V .846 2.153	PTH AZ -71.276 116.425
JULY 31,1964 13 HR 17 MIN 19 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE	SEC 431 MS	SEC TO 509. N AZSUN	TAB NO IMPACT 368	ALT 1109.39084	ATLA LAT 4 -5.6	S PHOTO  LU 42 -31.	NO IN 1090	2844 PHAZ E	POD S R V .846 2.153 MIS ALPHA	PTH AZ -71.278 116.425 SCALE PT-PT
JULY 31,1964 13 HR 17 MIN 19 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE 1 -11.279 -19.214 1218.51320	SEC 431 MS  AZS/C AZ -23.8 6.	SEC 10 509. N AZSUN 6 -80.5	TAB NO IMPACT 368 AZA 59.0	ALT 1109.39084 A* 56.16932	ATLA  LAT 4 -5.6  B/A 0.896	S PHOTO  42 -31.  AZPHAZ -93.5	NO 090 1NCD 68.9	2844 PHAZ E 39.7 3	POD S R V .846 2.153 MIS ALPHA 1.7 28.5	PTH AZ -71.276 116.425
JULY 31,1964 13 HR 17 MIN 19 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE	SEC 431 MS	SEC 10 509. N AZSUN 5 -80.5 3 -80.9	TAB NO IMPACT 368	ALT 1109.39084	ATLA  LAT 4 -5.6  B/A 0.896 0.920	S PHOTO  142 -31.  AZPHAZ  -93.5  -90.2	NO 090 INCD 68.9 63.5	2844 PHAZ E	POD S R V .846 2.153 MIS ALPHA 1.7 28.5 3.1 14.6	PTH AZ -71.276 116.425 SCALE PT-PT 0. 0-1 173.26945 1-2 159.96208 2-3
JULY 31,1964 13 HR 17 MIN 19 TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299	AZS/C AZ -23.8 637.9 629.8 357.0 5.	SEC TO 509.  N AZSUN -80.5 3 -80.9 3 -80.5 1 -81.1	TAB NO IMPACT 368 AZA 59.0 52.1 54.1 45.3	ALT 1109.39084 A* 56.16932 55.39666 52.76324 53.88452	ATLA  LAT 4 -5.6  B/A 0.896 0.920 0.993 0.962	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2	NO INCD 68.9 63.5 59.2 62.7	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1	POD S R V .846 2.153 MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8	PTH AZ -71.276 116.425 SCALE PT-PT 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.034 -28.896 1120.33533 4 -8.845 -25.291 1138.36239 5 -8.646 -21.448 1175.39929	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -57.0 6.	SEC TO 509.  N AZSUN 6 -80.5 3 -80.9 -80.5 1 -81.1	AZA 59.0 52.1 54.1 45.3 38.0	ALT 1109.39084 A* 56.16932 55.39666 52.76324 53.84455 55.31493	ATLA  LAT 4 -5.6  B/A 0.896 0.920 0.993 0.962 0.915	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.6 -84.8	NO INCO 68.9 63.5 59.2 62.7 66.5	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 6.7 14.8	PTH AZ -71.276 116.425 SCALE PT-PT 0. 0. 1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -57.0 5. -68.3 6. -51.8 8.	SEC 10 509. N AZSUN 5 -80.5 3 -80.9 3 -80.5 1-81.1 5 -81.5	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 44.8	ALT 1109.3908- 56.16932 55.39666 52.76324 53.84452 55.31493 57.01187	ATLA  LAT  4 -5.6  B/A  0.896  0.920  0.993  0.962  0.915  0.871	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3	NO 090 1NCD 68.9 63.5 59.2 62.7 66.5 67.4	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.0 2	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 4.9 24.0 9.9 24.1	PTH AZ -71.278 116.425 SCALE PT-PT 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -57.0 5. -68.3 6. -51.8 8.	SEC TO 509.  N AZSUN 6 -80.5 3 -80.9 3 -80.5 1 -81.1 5 -81.5 -82.0 3 -83.0	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 44.8 50.6	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 55.31493 57.01187	ATLA  LAT  4 -5.6  B/A  0.896  0.920  0.993  0.962  0.915  0.871  0.807	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	NO INCO 68.9 63.5 59.2 66.5 67.4	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.0 2 42.4 3	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 4.9 24.0 9.9 24.1	PTH AZ -71.276 116.425 SCALE PT-PT 0. 1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.33928 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -57.0 5. -68.3 6. -51.8 8. -40.3 11. -27.5 8.	SEC TO 509.  N AZSUM -80.9  -80.9  -81.1 -81.5  8 -82.0  -81.2	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 44.8 50.6 57.7	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 55.31493 57.01187 59.30688 57.47031	ATLA  LAT -5.6  B/A 0.896 0.920 0.993 0.962 0.915 0.867 0.859	S PHOTO  142 -31.  AZPHAZ-93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	NO INCD 68.9 63.5 59.2 66.5 67.4 68.7 64.6	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.0 2 42.4 3	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 6.7 14.8 4.9 24.0 9.9 24.1 6.9 22.9	PIH AZ -71.276 116.425  SCALE PI-PI 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.035 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.666 -24.406 1215.03088 9 -16.675 -28.391 1193.18974	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -51.0 5. -68.3 6. -51.8 8. -60.3 11. -27.5 8.	SEC TO 509.  N AZSUN -80.5 3 -80.9 -80.5 1 -81.1 8 -81.5 6 -82.0 3 -83.0 -81.2	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 44.8 50.6 57.7	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 55.31493 57.01187 59.30688 57.47031 56.15146	ATLA  LAT 4 -5.6  B/A 0.896 0.920 0.993 0.915 0.871 0.867 0.867 0.859	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -95.8	NO INCO 68.9 63.5 59.2 62.7 66.5 67.4 68.7 64.6	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.0 2 42.4 3 47.7 3 53.1 2	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 4.9 24.0 6.9 24.1 6.9 22.9 1.3 13.0 8.0 3.5	PTH AZ -71.276 116.425 SCALE PT-PT 0.1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.179623 6-7 124.178025 7-8 115.64320 8-9
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.33928 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -57.0 5. -68.3 6. -51.8 8. -40.3 11. -27.5 8.	SEC TO 509.  N AZSUN -80.5 3 -80.9 -80.5 1 -81.1 8 -81.5 -81.5 -81.2 -79.5	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 44.8 50.6 57.7	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 55.31493 57.01187 59.30688 57.47031	ATLA  LAT -5.6  B/A 0.896 0.992 0.993 0.962 0.915 0.871 0.807 0.859 0.951	S PHOTO  142 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2	NO INCD 68.9 63.5 59.2 62.7 66.5 67.4 68.6 60.9	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.0 2 42.4 3	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 4.9 24.0 9.9 24.1 9.9 24.1 6.9 22.9 1.3 13.0 8.0 3.5	PTH AZ -71.276 116.425 SCALE PT-PT 0.173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33593 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -57.0 5. -68.3 8. -60.3 11. -27.5 8. -11.0 4.	SEC 10 509. N AZSUN 5 -80.5 -80.5 1 -81.1 8 -81.5 8 -81.0 0 -81.2 -79.5 -79.5 -79.5	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 44.8 50.6 57.7 65.6 60.5	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 55.31493 57.01187 93.30688 57.47031 56.15146 54.21932	ATLA  LAT 4 -5.6  B/A 0.896 0.993 0.962 0.915 0.807 0.859 0.859 0.959	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -95.8	NO INCD 68.9 63.5 59.2 66.5 67.4 68.7 64.6 60.9 59.2 55.4	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.0 2 42.4 3 47.7 3 53.1 2 52.9 1 53.1 1 53.1 1	POD S  R  V.846 2.153  MIS ALPHA  1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 4.9 24.0 9.9 24.1 6.9 22.9 1.3 13.0 8.0 3.5 8.8 5.3 0.3 5.8	PIH AZ -71.276 116.425  SCALE PI-PI 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.49096 9-10 111.04807 10-11
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.4406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.896 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1112.23912	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -51.8 6. -51.8 6. -60.3 11. -27.5 8. -11.0 4. -16.1 3. 69.5 1.	SEC 10 509. N AZSUN 5 -80.5 3 -80.9 3 -80.5 1 -81.1 6 -81.5 8 -82.0 3 -83.0 0 -81.2 6 -79.5 8 -80.5 6 -80.5 6 -80.5	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 657.7 65.6 60.5 54.1 57.5 47.9	ALT 1109.39084 A. 56.16432 55.39666 52.76324 55.31443 57.01187 59.30688 57.47031 56.15146 54.21932 52.76324 49.51773 50.97502	ATLA  LAT  -5.6  B/A  0.896  0.920  0.993  0.962  0.915  0.857  0.859  0.951  0.993  0.974  0.993	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -95.8 -95.8 -95.8 -95.8 -95.8	NO 1NC D 68-95 59-2 62-7 66-5 67-4 64-6 60-9 59-2 55-8	2844  PHAZ E 39.7 3 47.5 2 53.1 1 42.3 2 42.0 2 42.4 3 53.1 2 53.1 2 53.1 1 53.7 7 53.5	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 4.9 24.0 6.7 14.8 4.9 24.1 6.9 22.9 1.3 13.0 8.0 3.5 8.8 5.3 3.8 5.3 3.8 -3.3	PTH AZ -71.278 116.425  SCALE PT-PT 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.49096 9-10 11.04807 10-11 135.96741 11-12 101.90082 12-13
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.896 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1112.23912	AZS/C AZ -23.8 637.9 629.8 357.0 568.3 8 127.5 811.0 427.5 811.0 427.5 815.5 329.8 3	SEC TO 509.  N AZSUN 63 -80.5 3 -80.5 1 -81.5 1 8 -81.5 1 8 -81.5 1 8 -79.8 1 8 -79.8 1 8 -79.8 1 3 -80.5 1 8 -81.5	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 44.8 50.6 60.5 7 65.6 60.5 47.5 47.5	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 57.31187 59.30688 57.47031 56.15146 54.21932 52.76324 49.51773 50.97502 52.82048	ATLA  LAT 4 -5.6  0.896 0.920 0.993 0.962 0.915 0.871 0.857 0.891 0.993 0.970 0.984 0.984	S PHOTO  LU .42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.8 -90.3 -95.8 -95.3 -95.2 -85.6 -86.2 -96.2 -86.6 -86.9	NO INCO 68.9 63.5 59.2 66.7 66.6 69.9 59.2 55.4 68.7 64.6 69.9 59.2 55.4 68.8	2844 PHAZ E 39.7 5 2 53.1 1 47.5 2 53.1 1 42.3 2 42.0 2 42.4 3 47.7 3 53.1 2 52.9 1 53.1 1 58.7 53.1 2 53.1 2 64.1 58.7 53.1 2 64.1 58.1 58.7 53.1 2 64.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58	POD S  R  V .846 2.153  MIS ALPHA  1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 6.7 14.8 6.7 24.0 9.9 24.1 6.9 22.9 1.3 13.0 8.0 3.5 8.8 5.3 0.3 5.8 3.8 -3.3 5.3 5.2	PTH AZ -71.278 116.425  SCALE PT-P1 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 124.78025 7-8 115.64320 8-9 120.490496 9-10 111.04807 10-11 135.96741 11-12 101.90082 12-13
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.440 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.670 1146.28444 11 -9.031 -28.670 1146.28444 11 -9.031 -28.670 1146.2844 11 -9.031 -28.670 1141.2844 11 -9.031 -28.670 1142.2912 14 -5.776 -28.553 1129.77193	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -51.8 6. -51.8 6. -60.3 11. -27.5 8. -11.0 4. -16.1 3. 69.5 1. -40.5 13. -40.5 13. -40.5 13.	SEC 10 509, N AZSUN 5 -80.5 3 -80.5 1 -81.5 8 -81.5 8 -82.5 3 -80.5 3 -80.5 6 -81.5 8 -82.5 6 -79.5 8 -80.5 6 -80.5 6 -80.5 6 -80.5 7 -80.5 8 -80.5	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 45.3 38.0 50.6 57.7 660.5 54.1 57.5 47.9 38.2	ALT 1109,3908 A* 56.16932 55.39666 52.76324 53.4452 55.31493 57.01187 59.30688 57.47031 56.15146 54.21932 52.76324 49.51773 50.97502 52.82048 54.20569	ATLA  LAT  -5.6  B/A 0.896 0.920 0.995 0.962 0.915 0.871 0.807 0.859 0.993 0.964 0.984 0.984	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -95.6 -82.2 -85.6 -95.3 -95.8 -96.8	NO INC D 68.5 59.2 66.5 66.4 66.7 64.6 60.9 55.4 68.7 64.6 60.9 55.4 60.9 60.9	2844  PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.4 3 47.7 3 53.1 1 58.7 53.5 48.2 1 43.0 2	POD S  R V .846 2.153  MIS ALPHA .17 28.5 3.1 14.6 6.7 14.8 4.9 24.0 6.9 24.1 6.9 22.9 1.3 13.0 8.0 3.5 8.8 5.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3	PIH AZ -71.278 116.425  SCALE PI-PI 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.490496 9-10 111.04807 10-11 135.49674 1-12 101.90082 12-13 106.00416 13-14 112.84786 14-15
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JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.33902 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.670 1146.28444 11 -9.031 -28.490 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1112.23912 14 -5.776 -25.553 1129.7713 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756	AZS/C AZ -23.8 637.9 629.8 397.0 588.3 611.0 427.5 811.0 427.5 811.0 427.5 815.6 587.6 676.0 8.	SEC 10 509, N AZSUN 5 -80.5 3 -80.9 3 -80.5 5 -81.5 8 -81.5 8 -82.0 0 -81.2 6 -79.5 8 -79.5 8 -81.0 0 -81.3 3 -80.5 5 -81.3 5 -81.3 5 -81.3 6 -81.5	TAB NO IMPACT 368  AZA 59.0 52.1 45.3 38.0 50.6 57.7 60.5 57.5 47.9 31.1 25.2 31.8	ALT 1109,3908 A* 56.16932 55.39666 52.76324 53.84452 55.31493 57.70118/ 59.30688 57.47031 56.15146 54.21932 52.76324 49.51773 50.97502 52.82048 54.20569 56.06731 57.30211	ATLA  LAT 4 -5.6  B/A 0.896 0.992 0.993 0.962 0.915 0.807 0.859 0.971 0.807 0.984 0.993 0.970 0.984 0.939 0.873	S PHOTO  LU 42 -31.  AZPHA2 -93.5 -90.2 -85.6 -85.2 -840.8 -95.8 -95.8 -95.8 -95.6 -82.2 -81.6 -82.2 -81.6 -80.0 -79.0 -84.2	NO 090 1NC 090 1NC 090 68.9 5 62.7 66.5 66.5 66.9 9 59.2 2 55.4 8 62.8 65.9 9 70.7	2844 PHAZ E 39.7 3 47.5 2 53.1 1 42.3 2 42.0 2 42.4 3 47.7 3 53.1 1 53.1 1 53.1 1 53.1 2 53.3 2 43.0 2 37.8 3	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 4.9 24.0 1.3 13.0 8.0 3.5 8.8 5.3 0.3 5.8 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.3 3.2 4.0 14.0 2.4 32.1	PIH AZ -71.276 116.425  SCALE PI-PI 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.90496 9-10 111.04807 10-11 135.96747 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 199.73079 16-17
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.662 -28.670 1146.28444 11 -9.031 -28.896 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1112.23912 14 -5.776 -25.553 1129.77193 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -11.421 1269.72902	AZS/C AZ -23.8 637.9 629.8 357.0 568.3 860.3 860.3 860.3 860.3 860.4 860.4 860.4 11.	SEC 10 509. N AZSUN S -80.5 3 -80.5 3 -80.5 1 -81.5 8 -82.6 3 -83.0 0 -81.3 5 -81.6 5 -81.0 0 -81.3 3 -81.4 5 -81.3 5 -81.3	TAB NO  IMPACT 368  AZA 59.0 52.1 54.1 45.3 35.0 65.6 50.7 65.6 50.7 65.6 50.1 57.5 38.1 25.2 31.8	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 55.31493 57.01181/ 59.30688 57.47031 56.15146 54.21932 52.76324 49.51773 50.97502 52.82048 54.20569 56.06731 57.30211 57.30211	ATLA  LAT  -5.6  B/A 0.896 0.996 0.915 0.871 0.807 0.859 0.975 0.871 0.993 0.976 0.987 0.986 0.987 0.986 0.987	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2 -85.6 -85.2 -86.8 -90.3 -91.9 -90.2 -85.6 -80.9 -80.0 -79.0 -84.2	NO NO 090 INCO 68.9 63.5 66.7 66.7 66.6 60.9 959.2 55.4 66.9 70.0 71.8	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.0 2 42.4 3 47.7 3 53.1 1 53.1 1 53.1 1 53.1 2 53.1 3 53.1 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	POD S  R V .846 2.153  MIS ALPHA 1.7 28.5 3.1 14.6 0.3 5.8 4.9 24.0 6.7 14.8 4.9 24.1 6.9 22.9 1.3 13.0 6.9 22.1 3.5 5.8 8.8 5.3 8.8 5.3 3.8 5.2 4.0 14.0 22.9 24.0 33.5	PTH AZ -71.276 116.425  SCALE PT-PT 0.0 - 1 173.26945 1- 2 159.96208 2- 3 108.02423 3- 4 115.21463 4- 5 117.29691 5- 6 129.19623 6- 7 124.78025 7- 8 115.64320 8- 9 120.90496 9-10 11.04807 10-11 135.96741 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.034 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.4406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.896 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1122.771193 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -16.421 1269.72902	AZS/C AZ -23.8 637.9 629.8 397.0 588.3 611.0 427.5 811.0 427.5 811.0 427.5 815.6 587.6 676.0 8.	SEC 10 509- N AZSUN 0 -80-5 3 -80-9 3 -81-5 8 -62-0 0 -81-2 6 -79-5 8 -79-8 8 -79-8 8 -80-5 6 -81-3 3 -81-4 5 -81-3 6 -81-3 6 -81-3 7 -81-2 7 -81-2 7 -81-2	TAB NO IMPACT 368  AZA 59.0 52.1 45.3 38.0 50.6 57.7 60.5 57.5 47.9 31.1 25.2 31.8	ALT 1109,3908 A* 56.16932 55.39666 52.76324 53.84452 55.31493 57.70118/ 59.30688 57.47031 56.15146 54.21932 52.76324 49.51773 50.97502 52.82048 54.20569 56.06731 57.30211	ATLA  LAT  -5.6  B/A 0.896 0.920 0.993 0.962 0.915 0.801 0.801 0.951 0.951 0.993 0.893 0.973 0.894 0.903 0.894 0.903 0.894 0.901 0.984	S PHOTO  L0. 42 -31.  AZPHAZ -93.5 -90.2 -85.8 -95.8	NO 090 INCD 68.9 65.9 62.7 66.5 66.7 66.9 99.9 25.2 60.9 70.7 71.8	2844 PHAZ E 39.7 3 47.5 2 53.1 1 42.3 2 42.0 2 42.4 3 47.7 3 53.1 1 53.1 1 53.1 1 53.1 2 53.3 2 43.0 2 37.8 3	POD S  R  V .846 2.153  MIS ALPHA MI	PTH AZ -71.278 116.425  SCALE PT-PT 0. O-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.4807 10-11 135.96741 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 99.73079 16-17
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.034 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.034 -28.670 1146.28444 11 -9.035 -28.391 1193.18974 11 -9.037 -28.490 110.85138 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1112.23912 14 -5.776 -25.553 1129.77193 15 -5.488 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -16.421 1269.72907	AZS/C AZ -23.8 637.9 629.8 357.0 568.3 611.0 427.5 811.0 427.5 811.0 427.5 815.6 587.6 676.0 860.0 1175.5 384.5 660.0 1179.6 676.0 860.0 1179.6 1479.6 14.	SEC 10 509, N AZSUN 50 - 80.5 3 -80.9 3 -80.5 1 -81.5 8 -82.0 0 -81.2 5 -79.5 8 -79.5 6 -81.0 0 -81.3 3 -80.5 1 -81.5 8 -82.0 1 -81.2 1 -81.4 1 -81.4 1 -81.7 1 -81.4 1 -81.6 1 -81.7 1 -81.7 1 -81.8	TAB NO IMPACT 368  AZA 59.0 52.1 45.3 38.8 50.6 60.7 65.6 60.7 65.6 41.8 38.2 31.8 38.3	ALT 1109.39084 A* 56.16932 55.39666 52.76324 53.84452 55.31493 57.47031 56.15146 54.21932 52.76324 49.5173 50.08731 56.06731 57.30211 57.30211 57.30211	ATLA  LAT  -5.6  B/A  0.896  0.920  0.992  0.915  0.807  0.851  0.859  0.952  0.915  0.873  0.986  0.993  0.970  0.8881  0.986  0.993  0.986  0.986  0.986  0.986  0.993  0.873	S PHOTO  L0  42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.6 -80.8 -99.8	NO 090 1NC0 68.95 59.27 66.56 68.77 64.66 60.99 59.92 558.88 62.22 65.90 70.77 71.83	2844 PHAZ E 39.7 3 47.5 2 53.1 1 42.3 2 42.4 3 47.7 3 53.1 1 53.1 1 53.5 48.2 1 43.0 2 37.8 37.0 3 36.7 3 37.1 4 37.0 3 37.1 4 37.0 3 37.1 4 37.1 4 37.0 3 37.1 4 37.1 4 37.0 3 37.1 4 37.1 4 37.0 3 37.1 4 3	POD S  R V .846 2.153  MIS ALPHA .7 28.5 3.1 14.6 0.3 5.8 4.9 24.0 6.7 14.8 4.9 24.1 6.9 22.9 1.3 13.0 8.0 3.5	PIH AZ -71.278 116.425  SCALE PI-PI 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.27961 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.90496 9-10 111.04807 10-11 135.96747 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 199.73079 16-16 191.96494 19-20 131.703215 18-19 161.96494 19-20
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 - 24.909 1165.64870 3 -9.033 - 28.896 1120.33533 4 -8.845 - 25.291 1138.36239 5 -8.646 - 21.448 1175.33908 7 -16.677 - 20.105 1259.28006 8 -16.646 - 24.4408 1215.03088 9 -16.675 - 28.391 1193.18974 10 -12.692 - 28.670 1146.28444 11 -9.031 -28.896 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 - 29.063 1112.3912 14 -5.776 - 25.553 1129.77193 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -16.421 1269.72902 19 -16.789 -15.277 1331.56671 20 -21.882 -13.552 1431.30313 21 -21.477 -18.992 1344.83813 21 -21.477 -18.992 1344.83813 21 -21.477 -18.992 1344.83813	AZS/C AZ -23.8 6. -37.9 6. -27.8 8 3. -57.0 5. -68.3 6. -51.8 8. -40.3 11. -27.5 8. -11.0 4. -16.1 3. -29.8 3. 69.5 1. -75.5 8. -84.5 4. -86.6 5. -87.6 6. -74.0 8. -74.0 8. -60.4 11. -99.6 14. -41.5 19. -21.5 15.	SEC 10 509, N AZSUN 5 -80.5 3 -80.9 3 -80.5 1 -81.5 8 -81.5 8 -82.0 0 -81.2 6 -79.8 8 -80.0 10 -81.2 10	TAB NO IMPACT 368  AZA 59-0 52-1 54-1 38-0 57-7 65-6 60-1 57-7 65-6 38-2 31-1 25-2 31-3 38-5 50-7	ALT 1109,3908 A. 56.16932 55.39666 52.76324 53.4452 55.31493 57.01187 59.30688 57.47031 56.15146 54.21932 52.76324 49.51773 50.97502 52.82048 54.20569 56.06731 57.30211 57.30211 57.30211 57.30211 57.30211 57.30211 57.30211	ATLA  LAT  -5.6  B/A  0.896  0.920  0.962  0.915  0.871  0.807  0.8591  0.993  0.970  0.984  0.986  0.993  0.971  0.801  0.712	S PHOTO  LU 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.8 -90.3 -95.8 -95.8 -95.8 -95.8 -99.9 -90.2 -81.6 -80.0 -79.0 -84.2 -90.3 -90.3 -90.3 -90.3 -101.2	NO 00 00 00 00 00 00 00 00 00 00 00 00 00	2844 PHAZ E 39.7 3 47.5 1 47.7 1 42.3 2 42.0 2 42.0 2 42.0 2 42.0 3 53.1 2 53.1 2 53.1 2 53.1 3 53.5 48.2 1 43.0 2 37.8 3 336.7 3 337.1 4 43.0 2 448.5 4	POD S  R V .846 2.153  MIS ALPHA .7 28.5 3.1 14.6 6.7 14.8 4.9 24.0 6.9 22.9 1.3 13.0 8.0 3.5 8.8 5.3 8.8 5.3 8.8 5.3 8.8 5.3 8.8 5.3 8.8 2.2 4.0 14.0 3.1 22.9 2.4 32.1 4.0 34.1 4.0 33.0 2.9 22.9 2.4 32.1 4.0 33.0 2.9 3.0 2.0 3.0	PIH AZ -71.278 116.425  SCALE PI-PI 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.90496 9-10 111.04807 10-11 135.96741 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 199.73079 16-17 122.73197 17-18 137.03215 18-19 161.96494 19-20 153.59590 20-21 133.32887 21-22
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.667 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.896 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1112.23912 14 -5.776 -25.553 1129.77193 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -16.421 1269.72907 19 -16.799 -15.277 1331.56471 20 -21.882 -13.552 1431.30313 21 -21.477 -18.992 1344.83813 22 -21.258 -23.713 1292.69406	AZS/C AZ -23.8 637.9 627.8 857.0 568.3 651.8 80.3 1127.5 811.0 427.5 811.0 48.0 674.0 860.4 1141.5 1941.5 1932.5 1932.1 1932.3 19.	SEC TO 509.  N AZSUN 6 -80.5 3 -80.9 9 -80.5 8 -82.0 3 -81.2 8 -79.8 8 -79.8 8 -79.5 8 -81.3 5 -81.2 7 -88.4 9 -81.2 7 -88.2 7 -88.4 9 -82.1 7 -85.2 7 -88.4 9 -84.2 1 7 -79.5	IMPACT 368  AZA 592-1 154-1 345-8 388-0 459-65-65-65-65-65-1 125-2 318-1 25-2 318-3 38-3 49-57-62-9	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 57.301187 59.30688 57.47031 56.15146 54.21932 52.76324 49.51773 50.97502 52.82048 54.20569 65.06731 57.30211 59.22028 61.68694 65.66313 60.48833 60.29268 88.75503	ATLA  LAT  -5.6  8/A  0.896  0.920  0.993  0.962  0.915  0.871  0.807  0.984  0.993  0.908  0.939  0.878  0.878  0.878  0.878  0.878  0.878  0.878  0.878  0.877  0.877  0.774	S PHOTO  L0. 42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -90.3 -95.8 -90.6 -82.2 -81.6 -80.0 -79.0 -84.2 -90.3 -79.0 -80.0 -79.0	NO DN .090 1NCD 68.9 63.5 76.6 64.6 64.6 64.6 64.6 65.9 70.0 71.8 775.5 70.4 662.1	2844 PHAZ E 39-7 3 47-5 2 2 42-0 3 2 42-0 3 2 42-0 7 53-1 2 53-1 1 53-1 1 53-2 1 43-0 2 37-8 37-1 38-1 5 43-2 48-5 4 53-7 3 53-7	POD S  R  V.846 2.153  MIS ALPHA  1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 4.9 24.9 1.3 13.0 8.0 3.5 8.0 3.5 8.0 3.5 3.0 3.5 8.0 3.5	PIH AZ -71.278 116.425  SCALE PI-PI 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.90496 9-10 111.04807 10-11 135.96741 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 99.73079 16-17 122.73197 17-18 137.03215 18-19 161.96494 19-20 133.32887 21-22 121.91576 22-23
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.339029 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.670 1146.28444 11 -9.031 -28.670 1146.28444 11 -9.031 -28.670 1146.28444 11 -9.031 -28.670 1145.55392 12 -6.237 -32.440 1110.851363 12 -6.237 -32.440 1110.85136 13 -6.019 -29.063 1112.23912 14 -5.776 -25.553 1129.77193 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -16.421 1269.72902 19 -16.789 -15.277 1331.56471 20 -21.882 -13.552 1431.30313 21 -21.477 -18.992 1344.83613 21 -21.278 -23.713 1292.69406 23 -21.166 -28.029 1266.52466	AZS/C AZ -23.8 6. -37.9 6. -29.8 3. -57.0 5. -68.3 6. -51.8 8. -40.3 11. -27.5 8. -11.0 4. -15.5 3. -69.6 5. -80.6 5. -80.6 5. -80.6 11. -40.6 14. -41.5 19. -22.5 15. -21.4 10. -83. 5.7 0.	SEC 10 509, AZSUN 5 -80.5 3 -80.9 3 -80.5 5 -81.5 8 -81.5 8 -82.5 6 -79.5 8 -81.0 6 -81.0 6 -81.0 6 -81.0 6 -81.0 7 -85.2 7 -88.4 8 -80.5 8 -80.5 9 -80.5	TAB NO IMPACT 368  AZA 59.0 52.1 54.3 38.0 50.6 60.6 57.6 60.6 54.1 57.6 38.2 231.8 38.5 34.5 34.5 60.7 65.6 60.7	ALT 1109,39084 A. 6.16932 55,39666 52,76324 53,84452 55,31493 57,701187 59,30688 57,47031 56,15146 54,21932 52,76324 49,51773 50,97502 52,82048 54,20569 56,06731 57,3021 57,3021 57,302	ATLA  LAT  -5.6  B/A  0.896  0.902  0.962  0.915  0.807  0.807  0.859  0.993  0.9732  0.632  0.632  0.632  0.632  0.632  0.632	S PHOTO  LU 42 -31.  AZPHA2 -93.5 -90.2 -85.6 -85.2 -85.8 -95.8 -95.8 -95.8 -95.6 -82.2 -81.6 -82.2 -81.6 -82.2 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3	NO ON 090 INCO 68.9 66.5 66.4 7 66.6 67.4 7 66.5 69.9 2 58.8 8 62.9 70.0 77.3.3 75.5 66.1 62.1 62.1	2844 PHAZ E 39.7 3 47.5 2 53.1 1 47.7 1 42.3 2 42.0 2 42.0 3 47.7 3 53.1 2 53.1 1 53.1 1 53.1 2 37.8 3 36.7 3 36.7 3 36.7 3 53.7 3 55.9 3 7.0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	POD S  R V .846 2.153  MIS ALPHA .7 28.5 3.1 14.6 6.7 14.8 4.9 24.0 6.9 22.9 1.3 13.0 8.0 3.5 8.8 5.3 8.8 5.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.8 3.3 8.9 3.3 8.9 3.9 8.0 14.0 8.0	PIH AZ -71.278 116.425  SCALE PI-PI 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.90496 9-10 111.04807 10-11 135.96741 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 99.73079 16-17 122.73197 17-18 137.03215 18-19 161.96494 19-20 153.59590 2-21 133.595887 21-22 121.91576 22-23
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.667 -20.105 1259.28006 8 -16.667 -20.105 1259.28006 9 -16.675 -28.391 1193.18974 10 -12.692 -24.606 1126.2844 11 -9.031 -28.896 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1112.23912 14 -5.776 -25.553 1129.77193 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -16.421 1269.72902 19 -16.789 -15.277 1331.56471 20 -21.882 -13.552 1431.30313 21 -21.477 -18.992 1344.83613 22 -21.258 -23.713 1292.69406 23 -21.166 -28.029 1266.52466 24 -21.176 -32.127 1262.1279	AZS/C AZ -23.8 637.9 627.8 627.9 629.8 357.0 568.3 611.0 427.5 811.0 427.5 811.0 486.6 674.0 860.4 1149.6 1441.5 1932.5 1521.4 1032.5 157.6 1.	SEC 10 509. N AZSUN 5 -80.5 3 -80.9 3 -80.5 5 -81.1 8 -81.5 8 -81.2 8 -81.3 5 -81.3 5 -81.3 5 -81.3 5 -81.4 7 -85.2 7 -85.2 7 -85.2 7 -85.2 7 -85.2 7 -85.2 7 -85.2 7 -86.4 7 -85.2 7 -85.2 8 -85.2	IMPACT 368 AZ AO 52-1 145-3 38-0 60-57-7 65-65 54-1 57-9 231-1 231-8 344-3 44-5 762-5 977-3	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 57.01187 59.3068 57.47031 56.15146 54.21932 52.76324 54.21932 52.76324 65.66313 57.30211 56.66313 57.30211 57.30211 56.66313 57.30215 57.30215 56.66313 57.30215 57.3021	ATLA  LAT  -5.6  B/A  0.920  0.993  0.962  0.915  0.871  0.859  0.993  0.993  0.973  0.8848  0.801  0.732  0.817  0.871  0.8848  0.801  0.773  0.848  0.801  0.773  0.8848  0.801  0.774  0.876	S PHOTO  L01.42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -95.6 -85.6 -85.6 -85.6 -95.6 -85.6 -	NO IN 090 IN 090 I NC 090 68.9 63.5 562.7 766.5 766.5 766.9 79.9 70.0 71.8 375.5 66.1 62.1 58.3	2844 PHAZ E 3 39.7 2 5 347.5 2 2 42.7 1 47.7 1 42.3 2 2 42.0 2 3 42.4 3 5 53.1 1 53.1 1 53.2 1 43.0 2 37.0 3 33.6 7 33.6 3 33.6 3 33.6 3 33.6 3 33.6 3 33.6 3 35.6	POD S  R  **N **846 2 . 153  **M **IS ALPHA  **I. 7 . 28.5  3.1 14.6  6.7 14.8  6.7 14.8  6.7 14.8  6.9 22.9  1.3 13.0  8.0 3.5  8.0 3.5  8.0 3.5  8.0 3.5  8.0 3.5  8.0 3.5  14.0 14.0  33.0 14.0  33.0 14.0  34.0 14.0  35.0 14.0  36.0 14.0  37.0 14.0  37.0 14.0  38	PTH AZ -71.278 116.425  SCALE PT-PT 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 129.19623 6-7 129.19623 6-7 120.90496 9-10 111.04807 10-11 135.96741 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 99.73079 16-17 122.731971 17-18 137.03215 18-19 161.746974 19-20 133.32887 12-21 133.32887 12-21
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.034 -28.896 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.33929 6 -12.478 -20.881 1205.333908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.4406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.670 1146.28444 11 -9.034 -28.440 1101.85138 13 -6.019 -29.063 1112.23912 14 -5.776 -25.553 1129.77113 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -16.421 1269.72902 19 -16.789 -51.527 1331.56471 20 -21.882 -13.552 1431.30313 21 -21.477 -18.992 1344.83813 22 -21.258 -23.713 1292.69406 23 -21.166 -28.029 1266.52466 24 -21.176 -32.198 1190.65100 25 -12.826 -32.713 1190.65100	AZS/C AZ -23.8 637.9 629.8 357.0 588.6 611.0 427.5 811.0 441.5 1922.5	SEC 10 509, N AZSUN 5 -80.5 3 -80.9 3 -80.5 5 -81.5 8 -81.5 8 -82.0 0 -81.2 6 -79.5 8 -79.5 6 -81.0 6 -81.0 6 -81.0 6 -81.0 7 -85.2 7 -85.2 7 -85.2 7 -85.2 7 -85.2 7 -79.5 8 -81.0 9 -81.0	TAB NO IMPACT 368  AZA 59.0 52.1 54.1 54.3 38.0 50.6 60.5 7.7 65.6 60.1 57.9 38.1 25.2 31.1 25.2 31.3 44.5 7 67.9 74.3 70.0	ALT 1109,39084 A. 6.16932 55.39666 52.76324 53.88452 55.31493 57.701187 59.30688 57.47031 56.15146 54.21932 52.76324 49.5173 50.97502 52.82048 54.20569 56.06731 57.30211 57.30211 57.30211 57.30213	ATLA  LAT  -5.6  B/A  0.896  0.993  0.962  0.915  0.807  0.8591  0.993  0.993  0.908  0.984  0.801  0.732  0.632  0.632  0.717  0.774  0.809  0.825  0.906	S PHOTO  L00 42 -31.  AZPHA2 -93.5 -90.2 -85.6 -85.2 -84.8 -95.8 -95.8 -95.8 -95.8 -95.8 -95.8 -95.9 -100.2 -100.2 -100.2 -100.2 -100.2 -98.7 -98.7 -98.7 -98.7	NO ON 090 INCD 968.9 55.2 62.7 66.4 7 66.6 7 9 59.2 2 65.9 70.7 77.3 8 62.7 76.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17	2844 PHAZ E 39.7 3 47.5 2 1 47.7 1 42.3 2 42.4 3 47.7 3 53.1 1 53.1 1 53.5 1 1 53.5 1 1 53.5 1 1 53.7 3 36.	POD S  R V .846 2.153  MIS ALPHA .7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 4.9 24.0 1.3 13.0 8.0 3.5 8.8 5.3 0.3 5.8 3.5 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.3 3.8 -3.7 3.0 22.9 2.4 32.1 4.0 33.5 8.1 34.1 34.1 34.1 34.1 34.1 34.1 34.1 34.1	PIH AZ -71.276 116.425  SCALE PI-PI O. O-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 124.78025 7-8 115.64320 8-9 120.90496 9-10 111.04807 10-11 135.96747 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 99.73079 16-17 122.73197 77-18 137.03215 18-19 161.96494 19-20 133.32887 21-22 121.91576 22-23 115.73543 23-24 133.95204 22-23
JULY 31,1964 13 HR 17 MIN 19  TRAJECTURY DATA  PHOTO DATA  PT LAY LON RANGE 1 -11.279 -19.214 1218.51320 2 -12.576 -24.909 1165.64870 3 -9.033 -28.899 1120.33533 4 -8.845 -25.291 1138.36299 5 -8.646 -21.448 1175.39929 6 -12.478 -20.881 1205.33908 7 -16.677 -20.105 1259.28006 8 -16.646 -24.406 1215.03088 9 -16.675 -28.391 1193.18974 10 -12.692 -28.670 1146.28444 11 -9.031 -28.670 1146.28444 11 -9.031 -28.550 1120.33533 12 -6.237 -32.440 1110.85138 13 -6.019 -29.063 1112.23912 14 -5.776 -25.553 1129.77193 15 -5.498 -21.820 1165.55492 16 -5.174 -17.734 1223.01756 17 -8.428 -17.225 1235.17030 18 -12.402 -16.421 1269.72902 19 -16.789 -15.277 1331.56471 20 -21.882 -13.552 1431.30313 21 -21.477 -18.992 1344.83613 22 -21.258 -23.713 1292.69406 23 -21.166 -28.029 1266.52466 24 -21.176 -32.127 1262.1279	AZS/C AZ -23.8 637.9 627.8 627.9 629.8 357.0 568.3 611.0 427.5 811.0 427.5 811.0 486.6 674.0 860.4 1149.6 1441.5 1932.5 1521.4 1032.5 157.6 1.	SEC 10 509. N AZSUN 5 -80.5 3 -80.9 3 -80.5 5 -81.1 8 -81.5 8 -81.5 8 -81.5 8 -82.0 0 -81.2 6 -79.5 8 -81.3 6 -81.0 0 -81.3 6 -81.3 6 -81.3 6 -81.3 7 -88.4 7 -88.4 7 -88.4 7 -88.2 7 -88.4 7 -78.6 6 -79.5	IMPACT 368 AZ AO 52-1 145-3 38-0 60-57-7 65-65 54-1 57-9 231-1 231-8 344-3 44-5 762-5 977-3	ALT 1109.39084 56.16932 55.39666 52.76324 53.84452 57.01187 59.3068 57.47031 56.15146 54.21932 52.76324 54.21932 52.76324 65.66313 57.30211 56.66313 57.30211 57.30211 56.66313 57.30215 57.30215 56.66313 57.30215 57.3021	ATLA  LAT  -5.6  B-96  0.920  0.995  0.915  0.807  0.859  0.951  0.971  0.984  0.939  0.803  0.803  0.717  0.809  0.803  0.717  0.732  0.632  0.717  0.732  0.632  0.717  0.732  0.630  0.996	S PHOTO  L01.42 -31.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -95.6 -85.6 -85.6 -85.6 -95.6 -85.6 -	NO NO 090 D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2844 PHAZ E 39.7 3 47.5 2 1 47.7 1 42.3 2 42.4 3 47.7 3 53.1 1 53.1 1 53.5 1 1 53.5 1 1 53.5 1 1 53.7 3 36.	POD S  R  V .846 2.153  MIS ALPHA  1.7 28.5 3.1 14.6 0.3 5.8 6.7 14.8 6.7 14.8 6.9 22.9 1.3 13.0 9.9 24.1 6.9 22.9 1.3 13.0 3.5 5.8 8.0 3.5 8.	PTH AZ -71.278 116.425  SCALE PT-PT 0. 0-1 173.26945 1-2 159.96208 2-3 108.02423 3-4 115.21463 4-5 117.29651 5-6 129.19623 6-7 129.19623 6-7 129.19623 6-7 120.90496 9-10 111.04807 10-11 135.96741 11-12 101.90082 12-13 106.00416 13-14 112.84786 14-15 123.62455 15-16 99.73079 16-17 122.731971 17-18 137.03215 18-19 161.746974 19-20 133.32887 12-21 133.32887 12-21

JULY 31,1964 13 HR 17 MIN 24	SEC 551 MS	TAB NO	101	ATLAS PHOTO NO	101	POD SEQUENCE NO 208
TRAJECTORY DATA		SEC TO IMPACT 504.248		LAT LON 5.673 -31.026	R 2834,401	V PTH AZ 2.156 -71.232 116.416
PHOTO DATA			10,00,1330	31013 311020	20344401	21130 711232 1101410
PT LAT LON RANGE	AZS/C AZN		A+ B/	'A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
1 -11.270 -19.233 1207.15297			55.65332 0.8	96 -93.5 68.9	39.7 31.7	28.4 0. 0-1
	-38.0 6.3		54.88995 0.9		47.5 23.1	14.6 171.25921 1- 2
3 -9.051 -28.811 1109.95160	-30.1 3.3		52.27422 0.9		53.1 10.3	5.8 158.52766 2- 3
4 -8.865 -25.238 1127.94017			53.35147 0.9		47.7 16.7	14.8 107.05004 3- 4
	-68.3 6.9		54.81176 0.9		42.3 24.9	24.0 114.18573 4- 5
	-51.8 8.8		56.49378 0.8		42.0 29.9	24.2 116.23190 5- 6
7 -16.625 -20.100 1247.74431 8 -15.594 -24.360 1203.84183	-40.4 11.3		58.76362 0.8		42.4 36.9	22.9 127.97944 6- 7
	-27.7 8.0		56.94102 0.8		47.7 31.2	13.1 123.65489 7-8
10 -12.677 -28.586 1135.66719	-11.2 4.6 -16.4 3.9		55.62778 0.8 53.71714 0.9		53.1 27.9	3.6 114.59763 8-9
11 -9.051 -28.811 1109.95160	-30.1 3.3		52.27422 0.9	193 -85.6 59.3	52.9 18.8 53.1 10.3	5.4 119.75257 9-10
12 -6.281 -32.322 1100.33064	68.1 1.6		49.04394 0.9		58.7 3.7	5.8 110.02044 10-11
	-75.2 3.0		50.50747 0.9		53.5 5.3	-3.2 134.70875 11-12 5.3 100.94577 12-13
14 -5.824 -25.499 1119.36874	-84.3 4.3		52.33391 0.9		48.3 14.0	5.3 100.94577 12-13 14.0 105.04222 13-14
	-86.5 5.5		53.70946 0.9		43.0 23.1	22.9 111.83326 14-15
16 -5.228 -17.750 1211.82179	-87.5 6.6		55.55373 0.8		37.8 32.3	32.1 122.48987 15-16
17 -8.452 -17.245 1223.93015	-73.9 8.5		56.78059 0.8		37.0 33.9	33.5 98.82848 16-17
18 -12.390 -16.449 1258.16916	-60.4 11.2		58.68125 0.8		36.7 38.0	34.0 121.61291 17-18
19 -16.735 -15.318 1319.30260	-49.7 14.6		61.29940 0.7		37.1 44.2	33.3 135.71535 18-19
20 -21.776 -13.621 1417.70691	-41.5 19.6		65.03950 0.6		38.1 52.3	31.4 160.20187 19-20
21 -21.377 -19.002 1332.24139	-32.6 14.9	-84.8 55.6	61.90290 0.7		43.2 45.4	20-2 152-04254 20-21
	-21.5 10.3	-82-1 62.3	59.72670 0.7		48.5 40.5	9.9 132.08688 21-22
23 -21.067 -27.950 1254.50185	-8.4 5.7	-79.7 69.7	58.19700 0.8	110 -99.4 62.2	33.1 31.0	U.4 120.79462 22 23
24 -21.074 - 32.006 1249.91101	5.6 1.0		57.15990 0.8	26 -98.7 58.5	58.9 37.1	-9.2 114.63478 23-24
25 -16.699 -32.079 1179.33994	7.4 1.2		54.71616 0.9	07 -94.5 57.4	58.4 27.5	-5.6 132.54967 24-25
26 -12.808 -32.159 1133.89983	11.0 1.3		52.89112 0.9		58.2 18.3	-3.6 117.85663 25-26
27 -9.229 -32.244 1108.51488	20.9 1.5		51.10236 0.9		58.4 9.6	-2.9 108.43622 26-27
28 -6.281 -32.322 1100.33064	68.1 1.6	-81.0 57.2	49.04394 0.9	69 -82.2 55.6	58.7 3.7	-3.2 89.32059 27-28
JULY 31,1964 13 HR 17 MIN 29	SEC 671 MS	TAB NO	102	ATLAS PHOTO NO	102	POD SEQUENCE NO 210
JULY 31,1964 13 HR 17 MIN 29 TRAJECTORY DATA	SEC 671 MS	SEC TO IMPACT	ALT	LAT LON	R	V PTH AZ
TRAJECTORY DATA	SEC 671 MS		ALT		R	•
TRAJECTORY DATA PHOTO DATA		SEC TO IMPACT 499.129	ALT 1088.48871 -	LAT LON -5.705 -30.961	R 2823.944	V PTH AZ 2-159 -71-185 116-408
TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	AZS/C AZN	SEC TO IMPACT 499.129	ALT 1068-48871 -	LAT LON -5.705 -30.961 'A AZPHAZ INCD	R 2823.944 PHAZ EMIS	V PTH AZ 2.159 -71.185 116.408 ALPHA SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11-261 -19-252 1195.77818	AZS/C AZN -24.1 6.6	SEC TO IMPACT 499.129 AZSUN AZA -80.6 58.7	ALT 1088-48871 - A• 8/ 55-13657 0-8	LAT LON -5.705 -30.961 (A AZPHAZ INCD	R 2823.944 PHAZ EMIS 39.8 31.7	V PTH AZ 2.159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0-1
TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	AZS/C AZN	SEC TO IMPACT 499.129 AZSUN AZA -80.6 58.7 -81.0 51.8	ALT 1088-48871 - A• 8/ 55-13657 0.8 54-38242 0.9	LAT LUN -5.705 -30.961 (A AZPHAZ INCD 196 -93.5 68.9 120 -90.2 63.6	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1	V PTH AZ 2-159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731	AZS/C AZN -24.1 6.6 -38.2 6.4 -30.5 3.3	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7	ALT 1088.48871 - A• 8/ 55.13657 0.8 54.38242 0.9 51.78461 0.9	LAT LON -5.705 -30.961 (A AZPHAZ INCD 196 -93.5 68.9 190 -90.2 63.6 193 -85.6 59.4	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4	V PTH AZ 2-159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0- 1 14.7 169.26128 1- 2 5.9 157.09010 2- 3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.3073  3 -9.070 -28.726 1099.55524	AZS/C AZN -24.1 6.6 -38.2 6.4 -30.5 3.3	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2	ALT 1088-48871 - A• 8/ 55-13657 0.8 54-38242 0.9	LAT LUN -5.705 -30.961 'A AZPHAZ INCD -93.5 68.9 120 -90.2 63.6 193 -85.6 59.4 164 -85.2 62.9	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8	V PTH AZ 2-159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0- 1 14.7 169.26128 1- 2 5.9 157.09010 2- 3 14.9 106.07395 3- 4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 1117.3052 5 -8.690 -21.411 1153.99886 6 -12.453 -20.855 1183.41017	AZS/C AZN -24.1 6.6 -38.2 6.4 -30.5 3.3 -57.1 5.1 -68.2 6.9	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7	ALT 1088.48871 - 8, 55.13657 0.8 54.38242 0.9 51.78461 0.9 52.85762 0.9 54.30762 0.9 55.97469 0.8	LAT LON -5.705 -30.961 'A AZPHAZ INCD 196 -93.5 68.9 120 -90.2 63.6 193 -85.6 59.4 164 -85.2 62.9 115 -84.8 66.5 171 -90.3 67.5	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4	V PTH AZ 2-159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0- 1 14.7 169.26128 1- 2 5.9 157.09010 2- 3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 1117.50052 5 -8.690 -21.411 1153.99886 6 -12.453 -20.855 1183.41017 7 -16.573 -20.096 1236.18779	AZS/C AZN -24-1 6.6 -38.2 6.4 -30.5 3.3 -57-1 5.1 -68.2 6.9 -51.8 8.6 -40.5 11.3	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5	ALT 1088.48871 - A• 8/ 55.13657 0.8 54.38242 0.9 51.78461 0.9 52.85762 0.9 54.30762 0.9	LAT LON -5.705 -30.961 'A AZPHAZ INCD 196 -93.5 68.9 190 -90.2 63.6 193 -85.2 62.9 164 -85.2 62.9 115 -84.8 66.5 171 -90.3 67.5	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0	V PTH AZ 2-159 -71-185 116-408  ALPHA SCALE PT-PT 28-4 0. 0- 1 14-7 169-26128 1- 2 5-9 157-19910 2- 3 14-9 106-07395 3- 4 24-1 113-15392 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.855 1183.41017  7 -16.573 -20.096 1236.18779  8 -16.541 -24.316 1192.63622	AZS/C AZN -24.1 6.6 -38.2 6.4 -30.5 3.3 -57.1 5.1 -68.2 6.9 -51.8 8.8 -40.5 11.3	SEC TO IMPACT 499.129  AZSUM AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4	ALT 1088-48871 - 55.13657 0.8 54.38242 0.9 52.85762 0.9 54.30762 0.9 55.97469 0.8 56.21938 0.8	LAT LON 15.705 -30.961 196 -93.5 68.9 120 -90.2 63.9 193 -85.6 59.4 164 -85.2 62.9 171 -90.3 67.5 189 -95.8 68.7 189 -95.8 68.7	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2	V PTH AZ 2-159 -71.185 116.408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09910 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.855 1183.41017  7 -16.573 -20.096 1236.18779  8 -16.541 -24.316 1192.63622  9 -16.568 -28.227 1170.92578	AZS/C AZN -24-1 6.6 -38-2 6.4 -30-5 3.3 -57-1 5.1 -68-2 6.8 -40-5 11.3 -27-8 8.6 -11.3 4.6	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.6 65.1	ALT 1088.48871 - \$5.13657 0.8 54.38242 0.9 51.78461 0.9 52.85762 0.9 54.30762 0.9 55.97469 0.8 58.21938 0.8 55.10355 0.8	LAT LON -5.705 -30.961 'A AZPHAZ INCD 196 -93.5 68.9 120 -90.2 63.6 193 -85.6 59.2 162 -85.2 62.9 115 -84.8 66.5 171 -90.3 67.5 108 -95.8 68.7 1799 -95.3 64.7	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9	V PTH AZ 2-159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 1117.50052 5 -8.690 -21.491 1153.99886 6 -12.453 -20.855 1183.41017 7 -16.573 -20.096 1236.18779 8 -16.564 -24.316 1192.63622 9 -16.566 -28.227 1170.92578	AZS/C AZN -24.1 6.6 -38.2 6.4 -30.5 3.3 -57.1 5.1 -68.2 6.9 -51.8 8.8 -40.5 11.3 -27.8 8.0 -11.3 4.6	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.3 50.5 -82.0 44.7 -83.1 50.5 -81.3 57.6 -79.6 65.1	ALT 1088-48871 - 55.13657 0.8 54.38242 0.9 51.78461 0.9 52.85762 0.9 54.30762 0.9 55.97469 0.8 56.41094 0.8 55.10355 0.9 55.10355 0.9	LAT LON -5.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961 -7.705 -30.961	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8	V PTH AZ 2-159 -711.185 116-408 ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 153.99886  6 -12.453 -20.855 1183.41017  7 -16.573 -20.096 1236.18779  8 -16.564 -28.502 1170.92578  10 -12.661 -28.502 1170.92578  11 -9.070 -28.726 1099.55524	AZS/C AZN -24.1 6.6 -38.2 6.4 -30.5 3.3 -57.1 5.1 -68.2 6.9 -51.6 8.6 -40.5 11.3 -27.8 8.6 -11.3 4.6 -16.7 3.9 -30.5 3.3	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7	ALT 1088.48871  55.13657 0.8  55.13657 0.8  55.13657 0.8  55.136762 0.9  55.1978 0.8  56.21938 0.8  56.21938 0.8  55.10355 0.8  55.121435 0.8	LAT LON -5.705 -30.961  'A AZPHAZ INCD '96 -93.5 68.9 120 -90.2 63.6 162 -85.2 62.9 115 -84.8 66.7 171 -90.3 67.5 108 -95.8 68.7 192 -94.9 61.0 151 -90.2 60.1 193 -85.6 59.4	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4	V PTH AZ 2-159 -71.185 116.408  ALPHA SCALE PT-PT 28.4 0. 0- 1 14.7 169.26128 1- 2 5.9 157.09010 2- 3 14.9 106.07395 3- 4 24.1 113.15392 4- 5 24.2 115.16506 5- 6 22.9 126.76108 6- 7 13.1 122.52645 7- 8 3.7 113.4998 8- 9 5.5 118.59959 9-10 5.9 108.99165 10-11
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 117.50052 5 -8.690 -21.411 1153.99886 6 -12.453 -20.855 1183.41017 7 -16.573 -20.096 1236.18779 8 -16.541 -24.316 1192.63622 9 -16.568 -28.227 1170.92578 10 -12.661 -28.502 1125.03714 11 -9.070 -28.726 1099.55524 12 -6.326 -32.205 1089.80270	AZS/C AZM -24-1 6.6 -38-2 6.6 -38-2 6.9 -57-1 5-1 -68-2 6-9 -51-8 8.6 -40-5 11.3 -27.8 8.0 -11-3 4.6 -16-7 3.9 -30-5 3.3 -66-7 1.6	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.0 56.9	ALT 1088-48871 - 55.13657 0.8 55.13657 0.8 55.18576 0.9 55.85762 0.9 55.97469 0.8 58.21938 0.8 56.41094 0.8 55.10355 0.9 51.78461 0.8	LAT LON -5.705 -30.961 -7.705 -30.961	R 2823-944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4	V PTH AZ 2.159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59559 9-10 5.9 108.99165 10-11 -3.1 13.344890 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 1117.50052 5 -8.690 -21.411 1153.9988 6 -12.453 -20.855 1183.41017 7 -16.573 -20.096 1236.18779 8 -16.541 -24.316 1192.3622 9 -16.568 -28.227 1170.92578 10 -12.661 -28.502 1125.0371 1 -9.070 -28.726 1099.55524 12 -6.326 -32.205 1099.80270 13 -6.112 -28.892 1091.50201	AZS/C AZN -24-1 6-6 -38-2 6-4 -30-5 3-3 -57-1 5-1 -68-2 6-9 -51-8 8-6 -40-5 11-3 -27-8 8-0 -11-3 4-6 -16-7 3-9 -30-5 3-3 -66-7 1-6	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 50.5 -81.3 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7	ALT 1088-48871  55.13657 0.8  55.13657 0.8  55.138641 0.9  55.285762 0.9  55.97469 0.8  56.41094 0.8  55.10355 0.8  55.12355 0.9  51.78461 0.9  48.57018 0.9  55.03931 0.9	LAT LON 1-5.705 -30.961  (36 -93.5 68.9 120 -90.2 63.9 133 -85.6 59.4 164 -85.2 62.9 115 -84.8 66.7 115 -99.3 64.7 192 -94.9 61.0 193 -85.6 59.4 164 -81.6 58.9	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 58.7 3.6	V PTH AZ 2-159 -711.185 116.408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.855 1183.41017  7 -16.573 -20.059 1236.18779  8 -16.541 -24.316 1192.63622  9 -16.568 -28.227 1170.92578  10 -12.661 -28.502 1125.03714  1 -9.070 -28.726 1099.55524  12 -6.326 -32.205 1089.80270  13 -6.112 -28.892 1091.50201  14 -5.873 -25.445 1108.94966	AZS/C AZN -24-1 6-6- -38-2 6-6- -38-2 6-9- -57-1 5-1 -68-2 6-9 -51-8 8-6- -11-3 4-6 -16-7 3-9 -30-5 3-3 -66-7 1-6 -74-9 3-6 -84-1 4-3	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7 -81.3 38.2	ALT 1088-48871  A• 8/ 55.13657 0.8 55.13657 0.8 55.13657 0.9 55.430762 0.9 55.430762 0.9 55.97469 0.8 56.41094 0.8 55.10355 0.8 55.10355 0.8 55.1035 0.8 55.1035 0.8 55.1035 0.9 51.78461 0.9 51.84660 0.9	1.5.7 05 -30.961  1.6.7 -30.961	R 2823-944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 10.4 53.5 5.4 63.7 31.6 53.5 5.4	V PTH AZ 2.159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 01 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52245 7-8 3.7 113.54998 8-9 5.5 118.59599 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.895 1183.41017  7 -16.573 -20.096 1236.18779  8 -16.541 -24.316 1192.63622  9 -16.568 -28.227 1170.92578  10 -12.661 -28.502 1125.03714  11 -9.070 -28.726 1099.35524  12 -6.326 -32.205 1099.80270  13 -6.112 -28.892 1091.50201  14 -5.873 -25.445 1108.94966  5 -5.600 -21.778 1144.20764	AZS/C AZN-24-1 6-6-6-38-2 6-4-9-5-1-8 8-6-40-5 11-3-27-8 8-6-6-7-3-5-66-7 1-6-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-1-4-3-3-8-4-3-3-8-4-1-4-3-3-8-4-3-3-3-8-4-3-3-3-3	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.3 57.4 -79.6 65.1 -79.9 61.2 47.7 -81.3 38.2 -81.2 31.3 38.2 -81.2 31.3	ALT 1088-48871 - 55.13657 0.8 55.13657 0.8 55.138242 0.9 51.78461 0.9 52.85762 0.9 55.97469 0.8 55.10355 0.9 55.10355 0.9 51.78461 0.9 48.57018 0.9 50.03931 0.9 51.84660 0.9 53.21234 0.9	LAT LON 1-5.705 -30.961 196 -93.5 68.9 120 -90.2 63.9 193 -85.6 59.4 164 -85.2 62.9 171 -90.3 67.5 187 -90.3 64.7 1992 -94.9 61.0 1913 -85.6 59.4 194 -81.6 58.9 195 -80.9 62.3	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 58.7 3.6 68.3 14.1 48.3 14.1	V PTH AZ 2-159 -71.185 116-408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09910 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.855 183.41017  7 -16.573 -20.096 1236.18779  8 -16.564 -28.227 1170.92578  10 -12.661 -24.316 1192.63622  9 -16.568 -28.227 1170.92578  10 -12.661 -28.502 1125.03714  11 -9.070 -28.726 1099.80270  12 -6.326 -32.205 1089.80270  13 -6.112 -28.892 1091.50201  14 -5.873 -25.445 1108.94966  15 -5.600 -21.778 1144.20764  6 -5.282 -17.766 1200.00303	AZS/C AZN -24-1 6-6 -38-2 6-4 -30-5 3-3 -57-1 5-1 -68-2 6-9 -51-8 8-8 -40-5 11-3 -27-8 8-C -16-7 3-9 -30-5 3-3 -66-7 1-6 -74-9 3-C -84-1 4-2 -86-4 5-5 -87-4 6-6	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7 -81.3 38.2 -81.2 31.3	ALT 1088-48871 - A• 8/ 55.13657 0.8 55.13657 0.8 55.178461 0.9 55.430762 0.9 55.97469 0.8 56.41094 0.8 55.10355 0.8 55.10355 0.8 55.10355 0.8 55.10355 0.8 55.10355 0.8 55.10350 0.9 55.10350 0.9 55.10350 0.9	LAT LON -5.705 -30.961	R 2823,944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 53.1 27.9 52.9 18.8 53.1 10.4 53.5 5.4 43.0 23.1 43.0 23.1 37.8 32.3	V PTH AZ 2-159 -71-185 116-408  ALPHA SCALE PT-PT 28.4 01 0-1 14.7 169-26128 1-2 5.9 157-09010 2-3 14.9 106-07395 3-4 24.1 113-15392 4-5 24.2 115-16506 5-6 22.9 126-76108 6-7 13.1 122-52645 7-8 3.7 113-54998 8-9 5.5 118-59959 9-10 5.9 108-9959 9-10 5.9 108-99165 10-11 -3.1 133-44890 11-12 5.4 99-99009 12-13 14.1 104-07846 13-14 23.0 110-81592 14-15 32.1 121-35192 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.895 1183.41017  7 -16.573 -20.096 1236.18779  8 -16.561 -24.916 1192.63622  9 -16.568 -28.227 1170.92578  10 -12.661 -28.502 1125.03714  11 -9.070 -28.726 1099.55524  12 -6.326 -32.205 1099.80270  13 -6.112 -28.892 1091.50201  14 -5.873 -25.445 1108.9966  15 -5.600 -21.778 1144.20764  16 -5.282 -17.766 1200.60303  7 -8.476 -17.265 1212.66573	AZS/C AZN-24-1 6-6-6-38-2 6-4-30-5 3-3 8-5-1-1-3 4-6-11-3 4-6-11-3 4-6-71-6-8-1-1-3 4-6-74-9 3-6-8-74-9 3-6-8-74-9 3-6-8-74-9 3-6-8-74-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-73-9 8-5-87-4 6-6-87-4 6-8-87-4 6-8-87-4 6-8-87-4 6-8-87-4 6-8-87-4 6-8-87-4 6	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.2 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.3 38.2 47.7 -81.0 56.9 -81.2 47.7 -81.3 38.2 47.7 -81.3 38.2 -80.9 25.5 -81.8 31.9	ALT 1088-48871  55.13657 0.8  55.138542 0.9  55.138461 0.9  55.297469 0.8  55.10355 0.9  51.78461 0.9  55.10355 0.9  51.78461 0.9  55.03912 0.8  55.03912 0.8  55.03912 0.8	LAT LON  -5.705 -30.961  -30.961	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 48.3 14.1 37.8 32.3 37.6 33.7 37.8 32.3	V PTH AZ 2-159 -711.185 116-408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.35192 15-16 33.5 97.92399 16-17
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 1117.50052 5 -8.690 -21.411 1153.99886 6 -12.453 -20.855 1183.41017 7 -16.573 -20.096 1236.18779 8 -16.568 -28.227 1170.92578 10 -12.661 -24.316 1192.63622 9 -16.568 -28.227 1170.92578 11 -9.070 -28.726 1099.80270 12 -6.326 -32.205 1089.80270 13 -6.112 -28.892 1091.50201 14 -5.873 -25.445 1108.94966 15 -5.600 -21.778 1144.20764 6 -5.282 -17.766 1200.0303 17 -8.476 -17.265 1212.66573 8 -12.378 -16.477 1246.68429	AZS/C AZM -24-1 6.6 -38-2 6.4 -30.5 3.3 -57-1 5.1 -68-2 6.9 -51.8 8.8 -40.5 11.3 -27.8 8.0 -11.3 4.6 -16.7 3.9 -30.5 3.3 -66.7 1.6 -74.9 3.0 -84-1 4.2 -86-4 5.5 -87-4 6.6	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7 -81.3 38.2 -81.2 31.3 -80.9 25.5 -81.8 31.9	ALT 1088-48871  A• 8/ 55.13657 0.8 55.13657 0.8 55.13852 0.9 55.430762 0.9 55.430762 0.9 55.97469 0.8 56.41094 0.8 55.10355 0.8 55.12135 0.9 55.178461 0.9 55.10351 0.9 55.21234 0.9 55.21235 0.9 55.21235 0.9 55.21235 0.8 55.21235 0.8 55.21235 0.8 55.21235 0.8 55.21235 0.8 55.25794 0.8	LAT LON -5.705 -30.961 -A AZPHAZ INCD -93.5 68.9 -93.5 68.9 -93.6 65.4 -66.5 65.4 -66.5 65.4 -66.5 66.5 -71 -90.3 67.5 -71 -90.3 67.5 -71 -90.3 67.5 -71 -90.3 67.5 -71 -90.3 67.5 -71 -90.3 67.7 -71 -71 -71 -71 -71 -71 -71 -71 -71 -71	2823,944  PHAZ EMIS 39.8 31.7 47.5 23.1 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 58.7 3.6 53.5 5.4 43.0 23.1 37.8 32.3 37.0 33.9 36.7 38.0	V PTH AZ 2-159 -71-185 116-408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169-26128 1-2 5.9 157.09010 2-3 14.9 106-07395 3-4 24.1 113-15392 4-5 24.2 115-16506 5-6 22.9 126-76108 6-7 13.1 122-52645 7-8 3.7 113-54998 8-9 5.5 118-59959 9-10 5.9 108-99165 10-11 -3.1 133-44890 11-12 5.4 99.99009 12-13 14.1 104-07846 13-14 23.0 110-81592 14-15 32.1 121-35192 15-16 33.5 97.92399 16-17 34.0 120-49149 17-18
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 1117.50052 5 -8.690 -21.411 1153.99886 6 -12.453 -20.895 1183.41017 7 -16.573 -20.096 1236.18779 8 -16.568 -28.227 1170.92578 10 -12.661 -28.502 1125.03714 11 -9.070 -28.726 1099.55524 12 -6.326 -32.205 1089.80270 13 -6.112 -28.892 1091.50201 14 -5.873 -25.445 1108.94965 15 -5.600 -21.778 1144.20764 16 -5.282 -17.766 1200.60303 17 -8.476 -17.265 1212.66573 18 -12.378 -16.477 1246.58429 9 -16.682 -15.360 1307.01654	AZS/C AZM -24-1 6.6 -38-2 6.6 -38-2 6.9 -57-1 5-1 -57-1 5-1 -68-2 6-9 -51-8 8.6 -40-5 11.3 -27.8 8.6 -16-7 3.9 -30-5 3.3 -30-5 3.3 -60-7 1.6 -74-9 3.6 -74-9 3.6 -73-9 8.5 -73-9 8.5 -74-9 1.6 -74-9 1.6 -74-9 1.6 -74-9 1.6	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7 -81.0 56.9 -81.2 31.3 -80.9 25.5 -81.3 38.5 -81.8 31.3	ALT 1088-48871  8.  55.13657 0.8  55.438242 0.9  55.430762 0.9  55.97469 0.8  56.41094 0.8  55.10355 0.9  55.10355 0.9  51.78461 0.9  55.10355 0.9  51.78460 0.9  53.21234 0.9  55.03912 0.8  56.25794 0.8  58.14105 0.8	LAT LON -5.705 -30.961 -75.705 -30.961	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 48.3 14.1 48.3 23.1 37.8 32.3 37.0 33.9 36.7 38.0 37.1 44.2	V PTH AZ 2-159 -711.185 116-408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.55192 15-16 33.5 97.92399 16-17 34.0 120.49149 17-18 33.2 134.39724 18-19
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.895 1183.41017  7 -16.573 -20.096 1236.18779  8 -16.564 -24.316 1192.63622  9 -16.568 -28.227 1170.92578  10 -12.661 -28.502 1125.0371  1 -9.070 -28.726 1099.55524  12 -6.326 -32.205 1089.80270  13 -6.112 -28.892 1091.50201  14 -5.873 -25.445 1108.94966  15 -5.600 -21.778 1144.20764  16 -5.282 -17.766 1200.60303  17 -8.476 -17.265 1212.6657  19 -16.682 -15.360 307.01654  20 -21.669 -13.690 1404.09344	AZS/C AZN -24-1 6-6 -38-2 6-4 -30-5 3-3 -57-1 5-18-8 -40-5 11-3 -27-8 8-C -11-3 4-6 -16-7 3-9 -30-5 3-3 -66-7 1-6 -74-9 3-C -84-1 4-2 -84-1 4-2 -84-4 6-6 -73-9 8-5 -60-4 11-1 -49-7 14-6 -41-6 19-5	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.9 60.0 -80.5 53.7 -81.3 38.2 -81.2 31.3 -80.9 25.3 -81.2 31.3 -80.9 25.3 -81.2 31.3	ALT 1088-48871 - A• 6/, 55-13657 0.8 54-38242 0.9 51-78461 0.9 52-85762 0.9 55-430762 0.9 55-21938 0.8 56-41094 0.8 55-10355 0.8 55-10355 0.8 55-10355 0.8 55-10355 0.9 55-10350 0.9 51-84660 0.9 55-203912 0.8 55-203912 0.8 56-25794 0.8 56-25794 0.8 56-2794 0.8	LAT LON -5-705 -30-961 -A AZPHAZ INCD -96-93.5 68.9 -90.2 63.6 -90.2 63.6 -66.5 59.4 -66.6 -85.2 62.9 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5 -70.3 67.5	R 2823.944  PHAZ EMIS 39.8 31.7 47.5 23.1 10.4 47.7 16.8 42.3 25.0 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 58.7 3.6 54.1 30.0 23.1 37.0 33.9 37.1 44.2 37.8 32.3 37.0 33.9 37.1 44.2 38.1 52.1	V PTH AZ 2-159 -71-185 116-408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 31.1 121.55192 15-16 33.5 97.92399 16-17 34.0 120.49149 17-18 33.2 134.39724 18-19 31.3 158.44190 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.855 1183.41017  7 -16.573 -20.096 1236.18779  8 -16.541 -24.316 1192.63622  9 -16.568 -28.227 1170.92578  10 -12.661 -28.502 1125.03714  11 -9.070 -28.726 1099.55524  12 -6.326 -32.205 1089.80270  13 -6.112 -28.892 1091.50201  14 -5.873 -25.445 1108.94966  15 -5.600 -21.778 1144.20764  16 -5.282 -17.766 1200.0303  17 -8.476 -17.265 1212.66573  18 -12.378 -16.477 1246.58429  19 -16.682 -15.360 1307.01654  20 -21.669 -13.690 1404.09342  1 -21.276 -19.001 21319.62790	AZS/C AZM -24-1 6.6 -38-2 6.6 -38-2 6.6 -39-5 3.2 -57-1 5.1 -68-2 6.9 -51-8 8.6 -16-7 3.9 -66-7 1.6 -74-9 3.0 -86-4 5.5 -86-4 5.5 -86-4 5.5 -86-4 11-1 -49-7 14-6 -41-6 19-5 -32-7 14-9	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7 -81.0 56.9 -81.2 31.3 -80.9 25.5 -81.8 31.9 -83.1 38.5 -85.2 44.2	ALT 1088-48871  55.13657 0.8  55.13657 0.8  55.138642 0.9  55.285762 0.9  55.97469 0.8  56.41094 0.8  55.10355 0.9  55.10355 0.9  55.10355 0.9  55.10350 0.9  55.10350 0.9  55.10350 0.9  55.10350 0.9  55.10350 0.9  55.10350 0.9  55.10350 0.9  56.21738 0.8  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9  56.21738 0.9	1AT LON 15.705 -30.961 1A AZPHAZ INCD 196 -93.5 68.9 120 -90.2 63.9 193 -85.6 59.4 194 -85.2 62.9 195 -84.8 66.5 171 -90.3 67.5 179 -95.3 64.7 179 -90.2 60.1 193 -85.6 59.4 194 -96.1 193 -85.6 59.4 194 -96.1 193 -85.6 59.6 194 -96.2 193 -85.6 59.6 194 -84.2 194 -84.2 194 -84.2 194 -84.2 194 -84.2 195 -80.9 194 -84.2 195 -80.9 194 -84.2 195 -80.9 194 -84.2 195 -80.9 195 -80.	R 2823-944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 48.3 14.1 43.0 23.1 37.0 33.9 36.7 38.0 36.7 38.0 36.7 38.0 36.7 44.2 38.1 52.1 43.2 45.3	V PTH AZ 2-159 -71.185 116-408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.44998 8-9 5.5 118.59599 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.35192 15-16 33.5 97.92399 16-17 34.0 120.49149 17-18 33.2 134.39724 18-19 31.3 158.44190 19-20 20.2 150.46784 20-21
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 1117.50052 5 -8.690 -21.411 1153.9988 6 -12.453 -20.895 1183.4007 7 -16.573 -20.096 1236.18779 8 -16.564 -24.316 1192.63622 9 -16.568 -28.227 1170.92578 10 -12.661 -28.502 1125.0371 1 -9.070 -28.726 1099.55524 12 -6.326 -32.205 1089.80270 13 -6.112 -28.892 1091.50201 14 -5.873 -25.445 1108.9966 5 -5.600 -21.778 1144.20764 16 -5.282 -17.766 1200.0303 17 -8.476 -17.265 1212.66573 18 -12.378 -16.477 1246.58429 19 -16.682 -15.360 1307.01657 18 -12.378 -16.477 1246.58429 19 -16.682 -15.360 1307.01694 21 -21.276 -19.012 1319.62790 22 -21.060 -23.639 1268.42151	AZS/C AZM -24-1 6-6 -38-2 6-4 -30-5 3-3 -57-1 5-1 -68-2 6-9 -27-8 8-C -11-3 4-6 -16-7 3-9 -30-5 3-3 -66-7 1-6 -74-9 3-C -84-1 4-2 -84-1 4-2	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 50.5 -81.3 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.3 38.2 -81.3 38.5 -85.2 44.2 -88.3 49.4 -84.9 55.5 -82.2 62.2	ALT 1088-48871	1. LAT LON 1.55.705 -30.961 1.55.705 -30.961 1.96 -93.5 68.9 1.90 -90.2 63.9 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.	R 2823-944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 58.7 3.6 48.3 14.1 37.8 32.3 36.7 38.0 37.1 44.2 43.2 45.3 38.1 52.1 43.2 45.3	V PTH AZ 2.159 -71.185 116.408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.4998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.35192 15-16 33.5 97.92399 16-17 34.0 120.49149 17-18 33.2 134.39724 18-19 33.3 138.44190 19-20 20.2 150.86784 20-21 10.0 130.84213 21-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.855 183.4(117  7 -16.573 -20.096 1236.18779  8 -16.541 -24.316 1192.63622  9 -16.568 -28.227 1170.92578  10 -12.661 -28.502 1125.03714  11 -9.070 -28.726 1099.55524  12 -6.326 -32.205 1089.80270  13 -6.112 -28.892 1091.50201  14 -5.873 -25.445 1108.94966  15 -5.600 -21.778 1144.20764  16 -5.282 -17.766 1200.0303  17 -8.476 -17.265 1212.66573  18 -12.378 -16.477 1246.68429  19 -16.682 -15.360 1307.01654  20 -21.669 -13.690 1404.09344  21 -21.276 -19.012 1319.62790  22 -21.060 -23.639 1268.42151  3 -20.976 -27.870 1242.47141	AZS/C AZM -24-1 6-6 -38-2 6-4 -30-5 3-3 -57-1 5-1 -68-2 6-9 -51-8 8-8 -40-5 11-3 -27-8 8-0 -16-7 3-9 -30-5 3-3 -66-7 1-6 -74-9 3-0 -86-4 5-5 -87-4 6-6 -73-9 8-5 -60-4 11-1 -49-7 14-6 -41-6 19-5 -32-7 14-9 -21-6 10-3 -8-6 -5-7 -8-6 -5-7 -32-7 14-9 -31-6 -32-7 14-9 -31-6 10-5 -32-7 14-9 -31-6 10-5 -32-7 14-9 -31-6 10-5 -32-7 14-9 -31-6 10-5 -32-7 14-9 -31-6 10-5 -32-7 14-9 -31-6 10-5 -32-7 14-9 -31-6 10-3 -3-6 5-7	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 47.4 -88.3 49.4 -88.3 49.4 -84.9 55.5 -82.2 42.2 -79.8 69.4	ALT 1088-48871  8.  55.13657 0.8  55.13657 0.8  55.13657 0.8  55.13657 0.8  55.13657 0.8  55.13657 0.8  55.13657 0.9  55.430762 0.9  55.430762 0.9  55.10355 0.9  55.10355 0.9  55.10355 0.9  55.10355 0.9  55.10355 0.9  55.10355 0.9  55.10350 0.9  55.21234 0.9  55.03912 0.8  56.25794 0.8  56.25794 0.8  56.72874 0.7  56.14105 0.8  66.72874 0.7  57.163864 0.8	1AT LON 1-5705 -30.961 1/A AZPHAZ INCD 1/96 -93.5 68.9 1/90 -90.2 63.9 1/93 -85.6 59.4 1/94 -85.2 62.9 1/95 -84.8 66.5 1/11 -90.3 67.5 1/95 -95.3 64.7 1/95 -95.3 64.7 1/95 -82.2 55.7 1/96 -82.2 55.7 1/93 -85.6 59.4 1/93 -85.6 59.4 1/93 -87.0 1/93 -87.0 1/93 -87.0 1/93 -87.0 1/93 -87.0 1/93 -87.0 1/94 -87.0 1/95 -80.	R 2823.944  PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 53.1 10.4 48.3 14.1 43.0 23.1 37.8 32.3 37.0 33.9 36.7 38.0 36.7 38.0 38.1 52.1 43.2 45.3 48.5 40.4	V PTH AZ 2.159 -71.185 116.408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.4998 8-9 5.5 118.9959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.35192 15-16 33.5 97.92399 16-17 34.0 120.99149 17-18 33.2 134.39724 18-19 31.3 158.44190 19-20 20.2 150.48784 20-21 10.0 130.84213 21-22 0.3 119.67192 22-23
TRAJECTORY DATA  PHOTO DATA  PT LAT	AZS/C AZM -24-1 6-6 -38-2 6-4 -30-5 3-3 -57-1 5-18 8-6 -40-5 11-3 -27-8 8-6 -11-3 4-6 -11-3 3-9 -66-7 1-6 -74-9 3-0 -84-1 4-2 -84-1 4-2 -84-1 4-2 -84-1 4-2 -84-1 1-1 -49-7 14-6 -32-7 14-9	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 50.5 -81.2 77.3 88.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0	ALT 1088-48871	LAT LON  155.705 -30.961  166 -93.5 68.9  120 -90.2 63.6 59.4  164 -85.2 62.9  151 -90.3 67.5  169 -95.8 68.7  169 -95.8 68.7  169 -95.8 64.7  169 -96.2 60.1  173 -79.0 69.9  174 -81.6 58.9  174 -81.6 58.9  175 -90.3 71.7  176 -10.2 76.4  176 -10.2 66.1  177 -90.4 75.4	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 48.3 14.1 37.8 32.3 36.7 38.0 36.7 38.0 37.0 33.9 37.0 33.9 37.1 44.2 38.1 52.1 43.2 45.3 48.5 40.4 53.7 37.5 58.9 37.0	V PTH AZ 2.159 -711.185 116.408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.4998 8-9 5.5 118.9959 9-10 5.9 108.99165 10-11 -3.1 33.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.55192 15-16 33.5 97.92399 16-17 34.0 120.49149 17-18 33.2 134.39724 18-19 31.3 158.44190 19-20 20.2 150.88784 20-21 10.0 130.84213 21-22 0.3 119.67192 22-23 0.3 119.67192 22-23
TRAJECTORY DATA  PHOTO DATA  PT LAT	AZS/C AZN -24-1 6-6 -38-2 6-4 -30-5 3-2 -51-1 8-8 -51-1 8-8 -40-5 11-3 -27-8 8-0 -11-3 4-6 -16-7 3-9 -30-5 3-3 -66-7 1-6 -73-9 8-5 -74-9 3-0 -84-1 4-3 -86-4 5-5 -87-4 6-6 -73-9 8-5 -60-4 11-4 -49-7 14-6 -32-7 14-9 -31-1 10-3 -8-6 -31-1 10-3 -3-6 -3-6 -3-6 -3-6 -3-6 -3-6 -3-6 -	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7 -81.3 38.2 -81.2 13.3 -80.9 25.5 -81.8 31.9 -83.1 38.5 -85.2 44.2 -88.3 55.5 -82.2 62.2 -77.8 69.4 -77.5 77.3	ALT 1088-48871  A• 8/ 55.13657 0.8 55.13657 0.8 55.13657 0.9 55.178461 0.9 55.430762 0.9 55.430762 0.9 55.97469 0.8 56.41094 0.8 56.41094 0.8 55.10355 0.8 55.10355 0.8 55.10355 0.8 55.1035 0.8 55.10350 0.9 55.21234 0.9 55.25794 0.8 56.25794 0.8 56.25794 0.8 60.72874 0.7 64.41508 0.9 58.14105 0.8 60.72874 0.7 59.16012 0.7 59.16012 0.7 57.6386 0.8 56.60100 0.9 56.60100 0.9 56.419106 0.9	1.6	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 53.1 27.9 53.1 27.9 53.1 27.9 53.1 3.6 53.5 5.4 43.0 23.1 37.8 32.3 37.0 33.9 37.1 44.2 38.2 45.3 48.5 40.4 43.2 45.3 48.5 40.4 53.7 37.5 58.9 37.0 58.9 37.0	V PTH AZ 2.159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.55192 15-16 33.5 97.92399 16-17 34.0 120.49149 17-18 33.2 134.39724 18-19 34.0 120.49149 17-18 33.2 134.39724 18-19 20.2 150.48784 20-21 10.0 130.64213 21-22 -9.0 113.53399 23-24 -5.5 131.15031 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818  2 -12.548 -24.809 1144.30731  3 -9.070 -28.726 1099.55524  4 -8.886 -25.186 1117.50052  5 -8.690 -21.411 1153.99886  6 -12.453 -20.895 1183.41017  7 -16.573 -20.096 1236.18779  8 -16.546 -28.502 1125.03714  11 -9.070 -28.726 1099.55524  10 -12.661 -28.502 1125.03714  11 -9.070 -28.726 1099.55524  12 -6.326 -32.205 1089.80270  13 -6.112 -28.892 1091.50201  14 -5.873 -25.445 1108.34966  15 -5.600 -21.778 1144.20764  16 -5.282 -17.766 1200.0303  17 -8.476 -17.265 1212.66573  18 -12.378 -16.477 1246.58429  19 -16.682 -15.360 1307.01654  20 -21.669 -13.890 1404.09344  21 -21.276 -19.012 1319.6279  22 -21.060 -33.039 1268.42151  23 -20.977 -31.885 127.6955  5 -16.643 -31.961 1168.02313	AZS/C AZM-24-1 6-6 -38-2 6-4 -30-5 3-3 -57-1 5-1 8-8 8-40-5 11-3 -27-8 8-6 -16-7 3-9 3-6 -41-4 -3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 4-3 -84-1 14-6 19-5 -32-7 14-6 5-7 15-4 11-7 11-7 11-7 11-7 11-7 11-7 11-7 11	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 36.0 -82.0 44.7 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.2 47.7 -81.0 56.9 -81.2 31.3 -80.9 25.5 -81.8 31.9 -83.1 38.5 -85.2 44.2 -88.3 49.4 -84.9 55.5 -85.2 44.2 -88.3 49.4 -84.9 55.5 -82.2 62.2 -79.8 69.4 -77.5 73.7	ALT 1088-48871 55.13657 0.8 55.13657 0.8 55.13657 0.8 55.138242 0.9 55.1378461 0.9 55.97469 0.8 55.10355 0.9 55.10355 0.9 55.10355 0.9 55.10355 0.9 55.1234 0.9 55.03912 0.8 55.03912 0.8 55.03912 0.8 56.0572874 0.8 56.0572874 0.8 56.14105 0.7 57.63864 0.8 56.60100 0.8 56.61010 0.7 57.63864 0.8 56.60100 0.8 54.19100 0.7 55.238740 0.8	LAT LON  -5.705 -30.961  -30.961	R 2823.944 PHAZ EMIS 39.8 31.7 47.5 23.1 53.1 10.4 47.7 16.8 42.3 25.0 42.0 29.9 42.4 36.8 47.7 31.2 53.1 27.9 52.9 18.8 53.1 10.4 48.3 14.1 37.8 32.3 37.0 33.9 36.7 38.0 37.1 44.2 38.1 52.1 48.5 40.4 53.7 37.5 58.4 27.4 88.5 40.4 53.7 37.5 58.2 18.3	V PTH A2 2-159 -711.185 116-408  ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.55192 15-16 33.5 97.92399 16-17 34.0 120.49149 17-18 33.2 134.39724 18-19 31.3 158.44190 19-20 0.2 150.48784 20-21 10.0 130.84213 21-22 0.3 119.67192 22-23 -9.0 113.55399 23-24 -5.5 131.15031 24-25 -3.5 111.5031 24-25 -3.5 111.5031 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.261 -19.252 1195.77818 2 -12.548 -24.809 1144.30731 3 -9.070 -28.726 1099.55524 4 -8.886 -25.186 1117.50052 5 -8.690 -21.411 1153.99886 6 -12.453 -20.895 1183.41017 7 -16.573 -20.096 1236.18779 8 -16.541 -24.316 1192.63622 9 -16.568 -28.227 1170.92578 10 -12.661 -28.502 1125.03714 11 -9.070 -28.726 1099.55524 12 -6.326 -32.205 1099.85273 13 -6.112 -28.892 1091.50201 14 -5.873 -25.445 1108.94966 15 -5.600 -21.778 1144.20764 16 -5.282 -17.766 1200.60303 17 -8.476 -17.265 1212.66573 18 -12.378 -16.477 1246.58429 9 -16.682 -15.360 1307.01654 20 -21.669 -13.690 1404.09344 1 -21.276 -19.012 1319.62790 22 -21.060 -23.639 1268.42151 23 -20.967 -27.870 1242.47141 24 -20.972 -31.885 1237.69450 25 -16.643 -31.961 1168.02313 6 -12.79 -32.041 1123.09943	AZS/C AZN -24-1 6-6 -38-2 6-4 -30-5 3-2 -51-1 8-8 -51-1 8-8 -40-5 11-3 -27-8 8-0 -11-3 4-6 -16-7 3-9 -30-5 3-3 -66-7 1-6 -73-9 8-5 -74-9 3-0 -84-1 4-3 -86-4 5-5 -87-4 6-6 -73-9 8-5 -60-4 11-4 -49-7 14-6 -32-7 14-9 -31-1 10-3 -8-6 -31-1 10-3 -3-6 -3-6 -3-6 -3-6 -3-6 -3-6 -3-6 -	SEC TO IMPACT 499.129  AZSUN AZA -80.6 58.7 -81.0 51.8 -80.5 53.7 -81.1 45.2 -81.5 38.0 -82.0 44.7 -83.1 50.5 -81.3 57.4 -79.6 65.1 -79.9 60.0 -80.5 53.7 -81.0 56.9 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 38.2 -81.2 47.7 -81.3 38.2 -85.2 44.2 -84.9 55.5 -85.2 44.2 -77.8 69.4 -77.5 77.3 -78.7 69.4	ALT 1088-48871  A• 8/ 55.13657 0.8 55.13657 0.8 55.13657 0.9 55.178461 0.9 55.430762 0.9 55.430762 0.9 55.97469 0.8 56.41094 0.8 56.41094 0.8 55.10355 0.8 55.10355 0.8 55.10355 0.8 55.1035 0.8 55.10350 0.9 55.21234 0.9 55.25794 0.8 56.25794 0.8 56.25794 0.8 60.72874 0.7 64.41508 0.9 58.14105 0.8 60.72874 0.7 59.16012 0.7 59.16012 0.7 57.6386 0.8 56.60100 0.9 56.60100 0.9 56.419106 0.9	1AT LON   15.705 -30.961   16.93.5 68.9   120 -90.2 63.9   162 -85.2 62.9   171 -90.3 67.5   171 -90.3 67.5   1759 -95.3 64.7   1759 -95.3 64.7   1759 -82.2 55.4   176 -80.2 60.1   173 -79.0 69.9   173 -79.0 69.9   174 -79.0 69.9   174 -79.0 69.9   175 -84.2 70.6   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   176 -100.2 66.1   177 -94.5   176 -100.2 65.1   177 -94.5   178 -99.7 58.6   179 -90.2 56.1   179 -94.5    179 -94.5   179 -94.5	R 2823-944  PHAZ EMIS 39.8 31.7 47.5 23.1 10.4 47.7 16.8 42.3 25.0 42.4 36.8 47.7 31.2 53.1 10.4 53.5 5.4 48.3 14.1 43.0 23.1 37.8 32.3 37.0 38.0 23.1 37.8 32.3 37.0 38.0 23.1 44.2 34.2 45.3 48.5 40.4 43.0 23.1 43.0 23.1 58.4 9.5 8.5 40.4 43.0 23.1 58.5 40.4 43.0 23.1 58.5 40.4 43.0 23.1 58.5 40.4 43.0 23.1 58.5 40.4 58.5 37.5 58.4 9.5 58.4 9.5 58.4 9.5 58.4 9.5	V PTH AZ 2.159 -71.185 116.408 ALPHA SCALE PT-PT 28.4 0. 0-1 14.7 169.26128 1-2 5.9 157.09010 2-3 14.9 106.07395 3-4 24.1 113.15392 4-5 24.2 115.16506 5-6 22.9 126.76108 6-7 13.1 122.52645 7-8 3.7 113.54998 8-9 5.5 118.59959 9-10 5.9 108.99165 10-11 -3.1 133.44890 11-12 5.4 99.99009 12-13 14.1 104.07846 13-14 23.0 110.81592 14-15 32.1 121.55192 15-16 33.5 97.92399 16-17 34.0 120.49149 17-18 33.2 134.39724 18-19 34.0 120.49149 17-18 33.2 134.39724 18-19 20.2 150.48784 20-21 10.0 130.64213 21-22 -9.0 113.53399 23-24 -5.5 131.15031 24-25

JULY 31,1964 13 HR 17 MIN 34	SEC 791 H	45	т	AB NO	103	ATL	AS PHOTO	NO	103		POD S	EQUENCE NO	212
TRAJECTORY DATA			SEC TO		ALT	LA		)N		R	٧	PTH AZ	
PHOTO DATA			494.	009	1078.02032	-5.	738 -30	895	2813	.410	2.102	-71.138 116.	. 377
PT LAT LON RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A	AZPHAZ	INCD	PHAZ E	MIS	AL PHA		T-PT
1 -11.252 -19.271 1184.38899	-24.2	6.6	-80.6	58.5	54.61886				39.8 3		28.4		0-1
2 -12.535 -24.762 1133.60306	-38.3	6.4	-81.0	51.7	53.87371				47.5 2				1- 2 2- 3
	-30.8	3.4	-80.5	53.6	51.29429 52.36257				53.1 1 47.7 1		6.0 14.9		2- 3 3- 4
4 -8.906 -25.135 1107.03552 5 -8.713 -21.395 1143.25183	-68.2	5.2	-81.1 -81.5	38.0	53.80178				42.3 2		24.1		4- 5
6 -12.440 -20.843 1172.39830	-51.9	6.6	-82.0		55.45385				42.1 2		24.2		5- 6
7 -15.521 -20.093 1224.59494		11.2	-83.1		57.67342				42.4 3		22.9	125.53975 6	6- 7
8 -16.489 -24.273 1181.40712	-27.9	7.9	-81.3		55.87976				47.7 3		13.2		7- 8
9 -16.515 -28.146 1159.77649	-11.5	4.6	-79.7		54.57880				53.1 2		3.8		A- 9 9-10
10 -12.646 -28.420 1114.39313	-16.9	3.9		59.8	52.71091				52.9 1		5.6 6.0	117.44638	
11 -9.089 -28.643 1089.14383 12 -6.371 -32.090 1079.26981	65.2	3.4 1.6	-80.5 -81.0		51.29429 48.09671					3.5	-3.0	132.18751 1	1-12
13 -6.159 -28.808 1081.11235		3.0	-81.2		49.57015					5.5	5.5	99.03357 12	
14 -5.921 -25.393 1098.50534				38.3	51.35813				48.3 1		14.1	103.11133 1	
15 -5.651 -21.760 1133.48824	-86.2	5.5	-81.2		52.71357				43.0 2		23.0	109.79250 14	
16 -5.336 -17.785 1189.33572	-87.3	6.6	-80.9		54.52233				37.8		32.0	120.20472 IS	
17 -8.501 -17.287 1201.35172		8.5	-81.8 -83.1	32.0 38.5	55.73301 57.59849				37.0 3	33.9	33.5 34.0	119.36521 1	
		11.1 14.5	-85.1	44.2	60.15567				37.1		33.2	133.07446 1	
		19.4	-88.3		63.78841				38.1		31.2	156.68067 1	
21 -21.175 -19.025 1306.98094		14.8	-84.9	55.4	60.72895				43.2		20.2	148.92167 20	
22 -20.961 -23.604 1256.25929		10.3	-82.2		58.59265				48.5		10.0	129.58969 2	
23 -20.868 -27.793 1230.43524	-8.1	5.7	-79.9	69.2	57.08004				53.7		0.4	118.54508 2	2-23
24 -20.871 -31.765 1225.48711	5.2	1.1	-77.6	77.0	56.04256				58.9		-8.9	112.43318 2	
25 -16.588 -31.844 1156.70744	6.9	1.2	-78.0	73.4 69.0	53.66602				58.4 2		-5.3 -3.4	115.54048 2	
26 -12.774 -31.926 1112.29626 27 -9.263 -32.012 1087.39471	10.3 19.6	1.4	-78.8 -79.9	61.6	51.88356 50.12267					9.6	-2.7	106.36962 2	
27 -9.263 -32.012 1087.39471 28 -6.371 -32.090 1079.26981	65.2	1.6	-81.0		48.09671				58.7			87.62348 2	
20 01311 321010 1111111111							_						
JULY 31,1964 13 HR 17 MIN 39	SEC 911 /	MS	1	TAB NO	104	ATL	AS PHOTO	NO	104		POD S	EQUENCE NO	214
TRAJECTURY DATA	SEC 911 /		SEC TO	IMPACT		LA	iT L	ON		R 2.996	٧	PTH A -71.091 116	.2
TRAJECTURY DATA PHOTO DATA			SEC TO	IMPACT 889	ALT 1067.5404	LA 7 -5.	T L 770 -30	ON .830	280	2.996	v 2.165	PTH A -71.091 116	.390
TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE	AZS/C	AZN	SEC TO 488.	IMPACT 889	ALT 1067.5404	LA 7 -5. B/A	T L 770 -30	ON •830	280: PHAZ	2.996 EMIS	V 2.165	PTH A-71.091 116	12 1.390 11-PT
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.243 -19.290 1172.98537	AZS/C -24.4	AZN 6.6	SEC TO 488. AZSUN -80.7	IMPACT 889 AZA 58.3	ALT 1067.5404 An 54.10044	LA 7 -5. B/A 0.896	T L 770 -30 AZPHAZ -93.5	ON .830 INCD 68.9	280	2.996 EMIS 31.6	V 2.165 ALPHA 28.3	PTH A -71.091 116 SCALE P 0. 165.37048	12 0.390 PT-PT 0- 1 1- 2
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.243 -19.290 1172-98537 2 -12.521 -24.714 1122-88367	AZS/C -24.4 -38.4	AZN 6.6 6.4	SEC TO 488.	IMPACT 889 AZA 58.3	ALT 1067.5404	LA 7 -5. 8/A 0.896 0.920	T L 770 -30 AZPHAZ -93.5	ON .830 INCD 68.9 63.7	280: PHAZ   39.8	2.996 EMIS 31.6 23.1	V 2.165 ALPHA 28.3	PTH A -71.091 116 SCALE P 0. 165.37048 154.20199	77-PT 0- 1 1- 2 2- 3
TRAJECTURY DATA  PH LAT LON RANGE 1 -11.243 -19.290 1172.98537 2 -12.521 -24.714 1122.88367 3 -9.107 -28.560 1078.72028	AZS/C -24.4 -38.4 -31.1	AZN 6.6 6.4 3.4 5.2	SEC TO 488. AZSUN -80.7 -81.0	IMPACT 889 AZA 58.3 51.6	ALT 1067.5404 A+ 54.10044 53.36428	0.896 0.920	AZPHAZ -93.5 -90.2	ON .830 INCD 68.9 63.7 59.6 63.0	280; PHAZ   39.8   47.5   53.1	2.996 31.6 23.1 10.5 16.9	V 2.165 ALPHA 28.3 14.8 6.1 15.0	PTH A -71.091 116 SCALE P 0. 165.37048 154.20199 104.11329	0.390 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172.98537 2 -12.521 -24.714 1122.88362 3 -9.107 -28.560 1076.72028 4 -8.927 -25.085 1096.55603 5 -8.735 -21.378 1132.48865	AZS/C -24.4 -38.4 -31.1 -57.1 -68.1	AZN 6.6 6.4 3.4 5.2 6.9	SEC TO 448.  AZSUN -80.7 -81.0 -80.5 -81.1 -81.5	AZA 58-3 51.6 53.4 45-1 38.1	ALT 1067.5404 A* 54.10044 53.36428 50.80340 51.86685 53.29518	B/A 0.896 0.920 0.994 0.961	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8	ON .830 INCD 68.9 63.7 59.6 63.0	280 PHAZ   39.8 47.5 53.1 47.7 42.3	2.996 31.6 23.1 10.5 16.9 25.0	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1	PTH A -71.091 116 SCALE P 0. 165.37048 154.20199 104.11329 111.07589	0.390 PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTURY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172.98537 2 -12.521 -24.714 1122.88362 3 -9.107 -28.560 1078.72028 4 -8.927 -25.085 1096.55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.3995	AZS/C -24.4 -38.4 -31.1 -57.1 -68.1 -51.9	AZN 6.6 6.4 3.4 5.2 6.9 8.8	SEC TO 488.  AZSUN -80.7 -81.0 -80.5 -81.1 -81.5 -82.1	IMPACT 889 AZA 58-3 51-6 53-4 45-1 38-1 44-6	ALT 1067.5404 An 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222	0.896 0.920 0.996 0.961 0.915	AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.2 -84.8 -90.3	ON .830 INCD 68.9 63.7 59.6 63.0 66.6	280 PHAZ   39.8 47.5 53.1 47.7 42.3	2.996 31.6 23.1 10.5 16.9 25.0 29.9	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312	0.390 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
TRAJECTURY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172.98537 2 -12.521 -24.714 1122.88362 3 -9.107 -28.560 1078.72028 4 -8.927 -25.085 1096.55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.38955 7 -16.469 -20.090 1212.98590	AZS/C -24.4 -38.4 -31.1 -57.1 -68.1 -51.9 -40.6	AZN 6.6 6.4 3.4 5.2 6.9 8.8 11.2	SEC TO 488.  AZSUN -80.7 -81.0 -60.5 -81.1 -81.5 -82.1 -83.1	IMPACT 889 AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3	ALT 1067.5404 An 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670	LA 7 -5. 8/A 0.896 0.920 0.992 0.961 0.915 0.871 0.809	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3	ON .830 INCD 68.9 63.7 59.6 63.0 66.6 67.5	280 PHAZ   39.8 47.5 53.1 47.7 42.3 42.1	2.996 31.6 23.1 10.5 16.9 25.0 29.9 36.7	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9	PTH A -71.091 116 SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.31737	0.390 PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.243 -19.290 1172.98537  2 -12.521 -24.714 1122.88362  3 -9.107 -28.560 1078.72028  4 -8.927 -25.085 1096.55603  5 -8.735 -21.378 1132.48865  6 -12.428 -20.832 1161.36955  7 -16.469 -20.090 1212.98590  8 -16.437 -24.230 1170.16336	AZS/C -24.4 -38.4 -31.1 -57.1 -68.1 -51.9 -40.6 -28.0	AZN 6.6 6.4 3.4 5.2 6.9 8.8 11.2	SEC TO 488.  AZSUN -80.7 -81.0 -80.5 -81.1 -81.5 -82.1 -83.1 -81.4	IMPACT 889 AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1	ALT 1067-5404 An 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 55.34788	8/A 0.896 0.920 0.961 0.915 0.809 0.860	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3	ON .830 INC D 68.9 63.7 59.6 63.0 66.6 67.5 68.7	280 PHAZ 39.8 47.5 53.1 47.7 42.3 42.1 42.4 47.7	2.996 EMIS 31.6 23.1 10.5 16.9 25.0 29.9 36.7 31.2	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.31737 120.25333	77-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172-98537 2 -12.521 -24.714 1122-88362 3 -9.107 -28.560 1078.72028 4 -6.927 -25.085 1096.55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.36939 7 -16.469 -20.090 1212-98590 8 -16.437 -24.230 1170.16336 9 -16.461 -28.066 1148.61530	AZS/C -24.4 -38.4 -31.1 -57.1 -68.1 -51.9 -40.6 -28.0 -11.7	AZN 6.6 6.4 3.4 5.2 6.9 8.8 11.2	SEC TO 488.  AZSUN -80.7 -81.0 -60.5 -81.1 -81.5 -82.1 -83.1	IMPACT 889 AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3	ALT 1067.5404 An 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670	7 -5. 8/A 0.896 0.920 0.961 0.915 0.871 0.860 0.892	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.9 -90.2	ON .830 INC D 68.9 63.7 59.6 63.0 66.6 67.5 68.7 64.8 61.1	2800 PHAZ   39.8   47.5   53.1   47.3   42.3   42.4   47.7   53.1   52.9	2.996 31.6 23.1 10.5 16.9 25.0 29.9 36.7 31.2 27.8 18.8	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9 13.2 3.9 5.6	PTH A -71.091 116 SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.31737 120.25333 111.44555 116.29269	27-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.243 -19.290 1172.98537  2 -12.521 -24.714 1122.88362  3 -9.107 -28.560 1078.72028  4 -8.927 -25.085 1096.55603  5 -8.735 -21.378 1132.48865  6 -12.428 -20.832 1161.36955  7 -16.469 -20.090 1212.98590  8 -16.437 -24.230 1170.16336	AZS/C -24.4 -38.4 -31.1 -57.1 -68.1 -51.9 -40.6 -28.0 -11.7 -17.1	AZN 6.6 6.4 3.4 5.2 6.9 8.8 11.2 7.9	SEC TO 488.  AZSUN -80.7 -81.0 -80.5 -81.1 -81.5 -82.1 -81.4 -79.7 -80.0	IMPACT 889  AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1 64-7	ALT 1067.5404' An 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 55.34788 54.05348 52.20686 50.80340	7 -5.  8/A 0.896 0.920 0.992 0.992 0.992 0.871 0.809 0.860 0.892 0.992	AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.8 -90.3 -95.8 -95.3 -94.9 -90.2	ON .830 INC D 68.9 63.7 59.6 63.0 66.6 67.5 68.7 64.8 61.1 60.2 59.6	2800 PHAZ 1 39.8 47.5 53.1 47.7 42.3 42.4 47.7 53.1 52.9 53.1	2.996 31.6 31.6 23.1 10.5 16.9 25.0 29.9 36.7 31.2 27.8 18.8 10.5	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9 13.2 3.9 5.6 6.1	PTH A -71.091 116  SCALE P 0. 165.37048 154.2019 104.11329 111.07589 113.02312 124.31737 120.25333 111.44555 116.29269	27-PT 0-11-22-33-4-55-6-77-88-99-10
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TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172.98537 2 -12.521 -24.714 1122.88362 3 -9.107 -28.560 1078.72028 4 -8.927 -25.085 1096.55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.36955 7 -16.469 -20.090 1212.98590 8 -16.437 -24.230 1170.16336 9 -16.461 -28.066 1148.61530 10 -12.631 -28.339 1103.73640 11 -9.107 -28.560 1078.72028 12 -6.417 -31.974 1068.72887	AZS/C -24-4 -38-4 -31-1 -57-1 -68-1 -51-9 -40-6 -28-0 -11-7 -31-1 63-7 -74-3	AZN 6.6 6.4 5.2 6.9 8.8 11.2 7.9 4.6 3.4 1.6	AZSUN -80.7 -81.0 -80.5 -81.1 -83.1 -81.4 -79.7 -80.5 -80.9 -80.9 -81.9	IMPACT 889 AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1 59-6 53-4 56-4 47-5	ALT 1067.5404 A* 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 55.34788 54.05348 52.20686 50.80340 47.62316 49.10047	B/A 0.920 0.920 0.961 0.915 0.860 0.871 0.860 0.892 0.951 0.965 0.965	AZPHAZ -93.5 -90.2 -85.6 -95.3 -95.3 -95.3 -94.9 -90.2 -85.6 -95.3 -95.3 -96.3	ON .830 INC D 68.9 63.7 59.6 63.0 66.6 67.5 64.8 61.1 60.2 55.9 59.1	2800 PHAZ   39.8   47.5   53.1   47.7   42.3   42.4   47.7   53.1   52.9   53.1   58.5   53.5	2.996 23.1 10.5 16.9 25.0 29.9 36.7 21.8 18.8 10.5	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.2 22.9 13.2 3.9 5.6 6.1 -2.9	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.31737 120.25333 111.44555 116.29269 130.93050 1 130.92494 1 98.07639 1	27-PT 0-1 1-2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTURY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172.96337 2 -12.521 -24.714 1122.88362 3 -9.107 -28.560 1078.72028 4 -8.927 -25.085 1096.55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.36959 7 -16.469 -20.090 1212.98590 8 -16.437 -24.230 1170.16336 9 -16.461 -28.066 1148.61530 10 -12.631 -28.339 1103.73640 11 -9.107 -28.560 1078.72028 12 -6.417 -31.974 1068.72887 13 -6.206 -28.724 1070.71161 14 -5.970 -25.340 1088.04714	AZS/C -24.4 -38.4 -31.1 -57.1 -68.1 -51.9 -40.6 -11.7 -17.1 -31.1 63.7 -74.3 -83.8	AZN 6.6 6.4 3.4 5.2 6.8 11.9 4.6 3.4 1.6 3.4	AZSUN -80.7 -81.0 -80.7 -81.1 -81.1 -81.4 -79.7 -80.0 -80.9 -80.9 -81.2 -81.2	IMPACT 889 AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1 64-7 59-6 53-4 56-4 47-5 38-3	ALT 1067.5404' A+ 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.1257 055.34788 54.05348 52.20686 50.80340 47.62316 49.10047 50.86904	8/A 7 -5. 8/A 0.920 0.961 0.961 0.860 0.860 0.951 0.969 0.969 0.969	AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.6 -90.3 -95.8 -90.3 -94.9 -90.2 -82.6 -82.2 -82.6 -82.2 -83.6 -84.8	ON .830 INC D 68.9 63.7 59.6 66.6 67.5 68.7 64.1 60.2 59.6 59.1	2800 PHAZ   39.8   47.5   53.1   47.7   42.4   47.7   53.1   54.1   54.1   55.1   55.1	2.996 23.1 10.5 16.9 25.0 29.9 36.7 31.2 21.8 10.5 11.5	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9 13.2 3.9 5.6 6.1 -2.9 5.4	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 24.31737 120.25333 111.44555 116.29269 106.93050 11 30.92494 198.07639 102.14280 1	12 1-390 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
TRAJECTURY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172-98537 2 -12.521 -24.714 1122-88362 3 -9.107 -28.560 1078.72028 4 -8.927 -25.085 1096-55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.632 1161.36955 7 -16.469 -20.090 1212.98590 8 -16.461 -28.066 1148.61530 10 -12.631 -28.339 1103.73640 11 -9.107 -28.560 1078.72028 12 -6.417 -31.974 1068.72887 13 -6.206 -28.724 1070.71161 14 -5.970 -25.340 1088.04774 15 -5.703 -21.741 1122.75397	AZS/C -24-4 -38-4 -31-1 -57-1 -51-9 -40-6 -28-0 -11-7 -17-1 -31-1 -63-7 -74-3 -86-1	AZN 6.6 6.4 3.4 5.9 8.8 17.9 4.6 3.4 1.6 3.5	AZSUN -80.7 -81.0 -80.7 -81.1 -81.5 -81.4 -79.7 -80.0 -80.9 -80.9 -81.2 -81.3 -81.3 -81.3 -81.3	IMPACT 889  AZA 58-3 51-6 53-4 44-6 50-3 57-1 64-7 59-6 53-4 47-5 38-3 31-5	ALT 1067.5404 A* 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 55.34788 54.05348 52.20686 50.80340 47.62316 49.10047 50.86904	B/A 0.920 0.961 0.961 0.860 0.860 0.860 0.892 0.992 0.992 0.998 0.998	AZPHAZ -93.5 -90.2 -85.6 -90.3 -85.6 -90.3 -95.8 -94.9 -94.9 -90.2 -85.6 -90.3 -94.9 -90.2 -85.6 -90.3	ON .830 INC D 68.7 59.6 63.0 66.6 67.5 64.8 66.5 55.9 59.1 66.6 67.1 66.6 67.1 66.6 67.1 66.6 67.1 66.6 67.1 66.6 67.1 66.6 67.1 66.6 67.1 66.6 67.1 66.6 67.1 67.1	2800 PHAZ   39.8   47.5   53.1   47.7   42.3   42.1   42.4   47.7   53.1   52.9   53.5   58.7   53.5   43.0	2.996 23.1 10.5 16.9 25.0 25.0 27.8 18.8 10.5 3.4 10.5	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9 13.2 3.9 5.6 6.1 -2.9 5.6 14.2 23.9	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.33133 111.44555 116.29269 106.93050 1 130.92494 1 98.07639 1 102.14280 1 108.76741 1	22 3.390 PT-PT 0-1 1-2 2-3 3-4-5 5-6 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172-98537 2 -12.521 -24.714 1122-88362 3 -9.107 -28.560 1078.72028 4 -8.927 -25.0085 1096.55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.36955 7 -16.469 -20.090 1212-98590 8 -16.437 -24.230 1170.16336 9 -16.461 -28.066 1148.61530 10 -12.631 -28.339 1103.73640 11 -9.107 -28.560 1078.72028 12 -6.417 -31.974 1068.72087 13 -6.206 -28.724 1070.71161 14 -5.970 -25.340 11088.04774 15 -5.703 -21.741 1122.75397	AZS/C -24-4 -38-4 -31-1 -57-1 -68-1 -51-9 -40-6 -28-0 -11-7 -17-1 -63-7 -74-3 -83-8 -86-1 -87-2	AZN 6.6 6.4 3.4 5.9 8.8 11.9 4.5 3.4 1.6 3.4 1.6 3.5 6.6	AZSUN -80.7 -81.0 -80.5 -81.1 -83.1 -41.9 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.2 -81.2 -81.2	IMPACT 889 AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1 64-7 59-6 53-4 56-4 47-5 38-3 31-5 25-8	ALT 1067-5404' 54-10044 53-36428 50-80340 51-86685 53-29518 54-95222 57-1257 55-34788 54-05348 52-20686 50-80340 47-62316 49-10047 70-86904 52-21412 54-00484	8/A 0.896 0.920 0.992 0.961 0.867 0.867 0.868 0.951 0.968 0.985 0.985 0.985	T L T770 -30  AZPHAZ -93.5 -90.2 -85.6 -85.2 -90.3 -90	ON -830 INC 0 68-75 63-0 66-6 67-5 64-8 61-1 60-2 55-9 59-1 66-6	2800 PHAZ   39.8   47.5   53.1   47.7   42.4   47.7   53.1   54.1   54.1   55.1   55.1	2.996 EMIS 31.6 23.1 10.9 25.0 25.0 25.0 27.8 18.8 10.5 3.4 5.6 14.2 23.3	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9 13.9 5.6 6.1 -2.9 5.6 14.2 23.0	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 24.31737 120.25333 111.44555 116.29269 106.93050 11 30.92494 198.07639 102.14280 1	12 390 71-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
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TRAJECTURY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 - 19.290 1172.98537 2 -12.521 - 24.714 1122.88362 3 -9.107 - 28.560 1078.72028 4 -8.927 - 25.085 1096.55603 5 -8.735 - 21.378 1132.48865 6 -12.428 - 20.632 1161.36955 7 -16.469 - 20.090 1212.98590 8 -16.461 - 28.066 1148.61530 9 -16.461 - 28.066 1148.61530 10 -12.631 - 28.339 1103.73640 11 -9.107 - 28.560 1078.72028 12 -6.417 - 31.374 1068.72827 13 -6.206 - 28.724 1070.71161 14 -5.970 - 25.340 1086.04774 15 -5.703 - 21.741 1122.75397 16 -5.391 - 17.804 1178.05302 17 -8.526 - 17.310 1190.02087 18 -12.355 - 16.538 1223.2588 20 -21.456 - 13.832 1376.76155 21 -21.456 - 13.832 1376.76155 21 -21.745 - 1338 1376.76155 21 -21.774 - 19.037 1294.32213	AZ5/C -24.4 -38.4 -31.1 -57.1 -51.9 -40.6 -28.0 -11.7 -17.1 -31.1 63.7 -74.3 -83.8 -60.4 -49.8 -49.8 -41.7 -32.8	AZN 66.6 3.4 5.2 6.9 8.8 11.2 7.9 4.3 3.4 4.3 5.5 6.6 6.5 11.1 14.5	AZSUN -801.0 -801.0 -801.1 -811.1 -811.1 -811.2 -811.2 -811.2 -811.2 -811.2 -811.2 -811.8 -811.2 -881.3 -811.8 -881.3 -88	IMPACT 889  AZA 58.3 51.6 53.4 45.1 38.1 44.6 50.3 57.1 64.7 59.6 53.4 47.5 38.3 31.5 8 32.1 38.5 544.2 49.3 55.3	ALT 1067-5404 A* 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 49.10047 52.20686 50.80340 47.62316 49.10047 52.21412 54.00484 55.20730 57.05511 59.58187 63.16139 60.14005	7 -5.  B/A 0.896 0.992 0.961 0.915 0.805 0.860 0.995 0.966 0.995 0.966 0.985 0.966 0.975 0.966 0.975 0.966 0.975 0.966 0.975 0.966 0.975	T L T 770 -30  AZPHAZ -93.5 -99.5 -99.5 -99.5 -99.5 -99.5 -99.2 -99.3 -99.3 -99.2 -99.2 -99.2 -99.5 -99.2 -99.5 -9	UN .830 INCD 68.9 63.7 59.6 66.6 67.5 64.8 61.1 60.2 55.9 1 66.0 69.9 71.6 73.1 75.2	280. PHAZ   39.8   47.5   53.1   47.7   42.3   42.4   47.7   53.1   52.9   58.7   53.5   43.0   37.0   37.0   37.1   38.1   343.2   34	2.996 EMIS 31.6 23.1 10.9 125.0 229.9 36.7 31.8 10.5 14.2 23.3 33.9 44.0 5.6 4.2 4.1	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9 13.2 3.9 5.6 6.1 -2.9 5.6 24.2 23.0 33.4 33.9 33.1	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.31737 120.25333 111.44555 116.29269 106.93050 1 108.76741 119.05605 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 118.23728 1 147.35733 2	2 390 PT-PT 0- 1 1- 2 2- 3 3- 4- 5 5- 6 7- 8 8- 9 10-11 11-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
TRAJECTURY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172-98537 2 -12.521 -24.714 1122-88362 3 -9.107 -28.560 1078.72028 4 -8.927 -25.085 1096-55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.36955 7 -16.469 -20.090 1212.98590 9 -16.461 -28.066 1148.61530 10 -12.631 -28.339 1103.73640 11 -9.107 -28.566 1078.72028 12 -6.417 -31.974 1068.72887 13 -6.206 -28.724 1070.71161 14 -5.970 -25.340 1088.04774 15 -5.703 -21.741 1122.75397 16 -3.391 -17.804 1178.05302 17 -8.526 -17.310 1190.2087 18 -12.355 -16.538 1223.29582 19 -16.575 -15.450 1282.32588 20 -21.456 -13.832 1376.76155 21 -21.074 -19.037 1294.32213 22 -20.863 -23.569 1244.08583	AZS/C -24.4 -38.4 -31.1 -57.1 -58.1 -61.9 -40.6 -28.0 -11.7 -17.1 63.7 -74.3 -86.1 -86.1 -87.2 -73.8 -60.4 -94.8 -94.8 -94.8	A2N 6.6 6.6 3.4 5.2 8.8 8.1 1.2 7 4.6 3.0 4.3 1.6 6.6 11.4 11.5 11.6 11.6 11.6 11.6 11.6 11.6 11.6	AZSUN 7-81.0 -80.5 -81.1 -81.5 -81.1 -83.1 -80.5 -80.9 -80.9 -81.2 -81.3 -81.3 -84.3 -84.9 -85.4	IMPACT 889  AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1 64-7 59-6 53-4 56-4 77-5 38-3 31-5 25-8 38-5 55-3 61-9	ALT 1067.5404 A* 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 55.34788 54.05348 54.05348 52.20686 69.10047 50.86904 47.62316 49.10047 50.86904 52.21412 54.00484 55.20730 57.05511 59.58187 60.14065 58.02467	7 -5.  8/A 0.896 0.992 0.961 0.871 0.860 0.892 0.951 0.908 0.983 0.983 0.983 0.983 0.983 0.983 0.983 0.983 0.983	T L T770 -30  AZPHAZ -93.5 -94.9 -95.8 -95	ON .830 INCD 68.9 63.7 63.0 66.6 66.6 66.7 66.8 70.6 66.0 70.6 70.6	280; PHAZ   39.8   47.5   53.1   47.7   42.3   42.4   47.7   53.1   53.5   43.0   37.8   37.8   37.8   37.8   37.8   37.8   43.5	2-996 EMIS 31-6 23-1 10-5 10-5 125-0 229-9 36-7 31-2 23-1 31-3 3-4 5-6 14-2 23-1 32-3 337-9 44-0 51-9 440-2	V 2.165 ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9 13.2 23.9 5.6 6.1 -2.9 5.6 6.1 -2.9 33.4 33.9 33.1 31.2 20.2	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.33133 111.44555 116.29269 106.93050 1 130.92494 1 119.05605 1 108.76741 1 119.05605 1 18.23728 1 131.75113 1 154.92420 1 147.35733 2 128.33605 2	27.390 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 19-20 20-21 21-21
TRAJECTURY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172-98537 2 -12.521 -24.714 1122-88362 3 -9.107 -28.560 1078.72028 4 -6.927 -25.085 1096.55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.39959 7 -16.469 -20.090 1212-98590 8 -16.437 -24.230 1170.16336 9 -16.461 -28.066 1148.61530 10 -12.631 -28.339 1103.73640 11 -9.107 -28.560 1078.72028 12 -6.417 -31.974 1068.72887 13 -6.206 -28.724 1070.71161 4 -5.970 -25.340 1088.04774 15 -5.703 -21.741 1122.75397 16 -5.391 -17.800 1178.05302 17 -8.526 -17.310 1190.02087 18 -12.355 -16.538 1223.29582 19 -16.575 -15.450 1282.32588 20 -21.456 -13.832 1376.76152 21 -21.074 -19.037 1294.32213 22 -20.863 -23.569 1244.08583 23 -20.769 -27.7715 1218.39063	AZS/C -24.4 -31.1 -51.9 -68.1 -51.0 -68.1 -51.7 -17.1 -31.1 -68.3 -7 -17.1 -31.1 -63.7 -17.3 -8.9 -60.4 -49.8 -41.7 -12.8 -60.4 -69.8 -21.8 -6.9 -8.9	AZN 6.64 3.4 5.2 8.8 8.1 11.2 7.9 8.3 4.3 5.6 6.5 11.5 19.3 14.7 10.2	SEC TO A AZ SUN	IMPACT 889  AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1 759-6 53-4 47-5 38-3 31-5 25-8 32-1 33-5 25-8 52-1 32-1 53-5 5-3 61-9 69-0	ALT 1067.5404' A* 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 55.34788 54.05348 52.20686 50.80340 47.62316 49.10047 52.21412 54.00484 55.20730 57.05511 59.58187 63.16139 60.14065 58.02467 56.52105	LAM 0.896 0.926 0.926 0.926 0.926 0.926 0.926 0.926 0.961 0.877 0.864 0.897 0.988 0.959 0.988 0.973 0.864 0.873 0.865 0.959 0.987 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.873 0.866 0.866 0.873 0.866 0.866 0.867 0.866 0.866 0.867 0.866 0.867 0.866 0.867 0.866 0.867 0.866 0.867 0.866 0.867 0.866 0.867 0.866 0.867 0.866 0.867 0.	T L T770 -30 AZPHAZ93.5 -90.295.390.395.390.490.295.390.490.290.390.390.490.290.290.290.290.290.290.290.290.290.290.290.390.490.290.39	ON .830 INCD 68.9 63.7 63.0 63.0 66.5 66.5 68.7 64.8 60.2 55.9 160.2 70.6 69.7 71.6 73.1 70.2 66.3	280. PHAZ   39.8   47.5   53.1   47.7   42.3   42.4   47.5   53.1   52.4   53.1	2.996 EMIS 31.6 31.6 31.6 31.6 31.6 31.6 31.6 31.6	V 2.165 ALPHA 28.3 14.8 6.11 15.0 24.1 24.2 22.9 13.9 5.6 6.1 -2.9 5.6 14.2 23.0 33.4 33.9 33.1 31.2 20.2	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 24.31737 120.25333 111.44555 116.29269 106.93050 1 108.76741 1 119.05605 1 96.10585 1 119.05605 1 96.10585 1 119.05605 1 119.05605 1 119.05605 1 119.05733 2 118.23726	20.390 PT-PT 0-1 1-2 2-3 3-4-5 6-7 7-8 8-9 9-10 11-12 12-13 11-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22
TRAJECTURY UATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172-98537 2 -12.521 -24.714 1122-88362 3 -9.107 -28.560 1078.72028 4 -8.927 -25.085 1096-55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.36955 7 -16.469 -20.090 1212.98590 8 -16.437 -24.230 1170.16336 9 -16.461 -28.066 1148.61530 10 -12.631 -28.339 1103.73640 11 -9.107 -28.560 1078.72028 12 -6.417 -31.974 1068.72887 13 -6.206 -28.724 1070.71161 14 -5.970 -25.340 1088.04774 15 -5.703 -21.741 1122.75397 16 -5.391 -17.804 1178.05302 17 -8.526 -17.310 1190.2087 18 -12.355 -16.538 1223.29582 19 -16.575 -15.450 1282.32582 20 -21.456 -13.832 1376.76155 21 -21.074 -19.037 1294.32213 22 -20.863 -23.569 1244.08583 23 -20.769 -27.715 1218.39063 24 -20.770 -31.646 1213.27597	AZS/C -24.4 -38.4 -31.1 -55.1 -56.9 -50.6 -28.0 -11.7 -17.1 -63.7 -74.3 -83.8 -60.4 -49.8 -40.4 -49.8 -60.4 -9.9 -60.5	AZN 6.6 6.4 3.4 5.2 6.9 8.8 8.1 12.2 1.6 6.6 6.5 11.1 14.5 114.5 114.7 10.2 1.7	AZSUN 7-81.0 -80.5 -81.1 -81.5 -81.1 -83.1 -80.5 -80.9 -80.9 -81.2 -81.3 -81.3 -84.3 -84.9 -85.4	IMPACT 889  AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1 64-7 59-6 53-4 56-4 77-5 38-3 31-5 25-8 38-5 55-3 61-9	ALT 1067.5404 A* 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 55.34788 54.05348 54.05348 52.20686 69.10047 50.86904 47.62316 49.10047 50.86904 52.21412 54.00484 55.20730 57.05511 59.58187 60.14065 58.02467	LAN 0.895 0.901 0.805 0.901 0.801 0.	T L T770 -30  AZPHAZ -93.5 -9-9.6 -95.2 -85.2 -90.3 -95.8 -90.3 -95.8 -90.3 -95.8 -90.3 -95.8 -90.2 -95.8 -90.2 -95.8 -90.2 -95.8 -90.2 -95.8 -90.2 -95.8 -90.3 -90.4 -90.2 -95.8 -90.3 -9	ON .830 INCD 68.9 68.7 59.6 63.0 66.6 64.8 66.2 59.6 69.5 70.6 73.1 75.2 66.1 66.1 66.2	2800 PHAZ 1 47.5 53.1 47.7 42.1 42.4 53.1 58.5 48.3 9 37.8 9 37.8 9 38.1 1 38.1 1 38.1 1 38.1 1 48.5 1 48.5 1 58.9	2-996 EMIS 31-6 31-6 110-5 125-0 125-0 13-1 13-6 14-2 123-1 13-6 14-2 133-3 17-9 14-0 14-2 133-3 17-9 14-0 14-2 133-3 17-9 14-0 14-2 14-0 14-0 14-0 14-0 14-0 14-0 14-0 14-0	V 2.165 ALPHA 28.8 28.1 15.0 24.1 15.0 24.1 2.9 3.9 5.6 6.1 -2.9 5.6 14.2 23.0 32.0 32.0 33.9 33.1 20.2 10.1 0.57	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.31737 120.25333 111.44555 116.29269 106.93050 118.23728 119.05605 196.10585 118.23728 118.23728 118.23728 118.23728 118.23728 111.433203 128.33605 128.33605 128.33605 128.33605 117.41687 111.33203	12 390 1-PT 1-2 2-3 3-4 4-5 5-6 7 7-8 8-9 9-10 11-12 12-13
TRAJECTURY UNTA  PHOTO DATA  PT LAT LON RANGE  1 -11.243 -19.290 1172.98537  2 -12.521 -24.714 1122.88362  3 -9.107 -28.560 1078.72028  4 -6.927 -25.085 1096.55603  5 -8.735 -21.378 1132.48865  6 -12.428 -20.832 1161.39590  8 -16.437 -24.230 1170.16336  9 -16.469 -20.090 1212.98590  8 -16.437 -24.230 1170.16336  10 -12.631 -28.339 1103.73640  11 -9.107 -28.560 1078.72028  12 -6.417 -31.974 1068.72887  13 -6.206 -28.724 1070.71161  4 -5.970 -25.340 1088.04774  15 -5.703 -21.741 1122.75397  16 -5.391 -17.804 1178.05302  17 -8.526 -17.310 1190.02087  18 -12.355 -16.538 1223.29582  19 -16.575 -15.450 1282.32588  20 -21.456 -13.832 1376.76152  21 -21.074 -19.037 1294.32213  22 -20.863 -23.569 1244.08583  33 -20.769 -27.7715 1214.39063	AZS/C -24.4 -31.1 -51.1 -68.1 -51.0 -68.1 -51.1 -68.1 -51.1 -68.7 -11.7 -17.1 -63.7 -74.3 -83.8 -66.1 -99.8 -41.7 -32.8 -28.9 -51.6 -7	AZN 6.64 3.4 5.2 8.8 8.1 11.2 7.9 8.3 4.3 5.6 6.5 11.5 19.3 14.7 10.2	AZSUN 7-81.0 -80.5 -81.1 -81.5 -81.4 -79.7 -80.5 -80.9 -80.9 -81.3 -81.3 -84.9 -85.1 -88.3 -84.9 -77.7	IMPACT 889  AZA 58-3 51-6 53-4 45-1 38-1 64-7 59-6 53-4 56-5 31-5 25-8 32-1 38-5 44-2 9-3 55-3 61-9 69-0 76-7	ALT 1067.5404 A* 54.10044 53.36428 50.80340 51.86685 53.29518 54.93222 57.12670 55.34788 54.05348 54.05348 54.05348 54.05348 54.05348 54.05348 54.05348 54.05348 54.05348 54.05348 55.20730 57.05511 54.00484 55.20730 57.05511 59.58187 63.16139 60.14065 58.02467 56.52105	LAM 0.896 0.926 0.996 0.915 0.961 0.896 0.895 0.995 0.995 0.966 0.915 0.966 0.	T	ON .830 INCD 68.97 63.77 63.06 63.77 63.06 66.06 67.55 69.97 71.66 71.66 71.66 71.66 71.66 71.67 75.27 70.36	280. PHAZ   39.8   47.5   53.1   47.7   42.3   42.4   47.5   53.1   52.4   53.1	2-996 EMIS 31-6 31-6 10-5 110-5 22-9 31-2 27-8 110-5 3-6 14-2 23-3 337-9 44-0 24-0 25-9 44-0 26-6 27-6 27-6 27-6 27-6 27-6 27-6 27-6	V 2.165 ALPHA 28.8 28.8 14.8 6.1 15.0 24.2 22.9 13.9 5.6 6.1 -2.9 5.6 6.1 31.2 23.9 33.9 33.9 33.9 33.9 33.9 33.9 33	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.331737 120.25333 111.44555 116.29269 106.93050 1 130.92494 1 199.05005 1 199.05605 1 118.23728 1 119.05605 1 118.23728 1 119.05605 1 118.23728 1 128.33605 2 117.41867 2 117.313203 2 128.33605 2 117.41867 2 111.33203 2 128.33619 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2 114.38299 2	12 1390 11-7 11-2 2-3 3-4 4-5 6-7 7-8 9-10 10-11 11-12
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.243 -19.290 1172-98537 2 -12.521 -24.714 1122-88362 3 -9.107 -28.500 1078.72028 4 -8.927 -25.085 1096.55603 5 -8.735 -21.378 1132.48865 6 -12.428 -20.832 1161.36955 7 -16.469 -20.090 1212-98590 8 -16.437 -24.230 1170.16336 9 -16.461 -28.066 1148.61530 10 -12.631 -28.339 1103.73640 11 -9.107 -28.560 1078.72028 12 -6.417 -31.974 1068.72087 13 -6.206 -28.724 1070.71161 4 -5.970 -25.340 1088.04774 15 -5.391 -17.804 1178.05302 17 -8.526 -17.310 1190.02087 18 -12.355 -16.538 1223.29582 19 -16.575 -15.450 1282.32588 20 -21.456 -13.832 1376.76155 21 -21.074 -19.037 1294.32213 22 -20.863 -23.569 1244.08583 23 -20.769 -27.715 1218.39063 24 -20.770 -31.646 1213.27597 25 -16.533 -23.775 1218.39063	AZS/C -24.4 -38.4 -31.1 -57.1 -58.9 -40.6 -28.0 -11.7 -17.1 63.7 -43.8 -80.1 -87.2 -49.8 -41.7 -32.8 -49.8 -41.7 -32.8 -6.9	AZN 6.6 6.4 4 5.2 6.9 8.8 11.2 5.5 6.9 11.1 11.1 11.1 11.1 11.1 11.1 11.1	SEC 108  AZSUN -80.7 -81.0 -80.5 -81.1 -83.1 -83.1 -80.5 -80.9 -81.2 -80.9 -81.2 -80.9 -81.3 -81.2 -80.9 -81.3 -81.2 -79.9 -81.3 -87.7	IMPACT 889  AZA 58-3 51-6 53-4 45-1 38-1 44-6 50-3 57-1 64-7 59-6 53-4 56-5 38-3 31-5 38-3 55-3 61-9 67-76-7 73-1	ALT 1067.5404' A+ 54.10044 53.36428 50.80340 51.86685 53.29918 54.93222 57.1227 52.34788 54.05348 52.20686 50.80340 47.62316 49.10047 52.21412 54.00484 55.20730 67.05511 59.581.87 63.16139 60.14065 58.02467 65.52105 55.48396	LAN	T	ON .830 INCD 68.9 66.6 66.6 67.5 66.6 67.5 66.6 69.9 71.6 62.4 69.9 70.2 59.1 62.5 70.2 58.6 70.2 59.6 59.1 70.2 59.6 59.7 70.2 59.6 65.6 65.6 65.7 71.6 65.7 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71	280. PHAZ 1 39.8 47.5 53.1 42.3 42.4 47.5 53.1 52.9 53.1 53.9 1 53.9 1 53.9 1 53.9 1 53.9 1 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8	2-996 EMIS 31-6 110-5 125-0 110-5 125-0 13-1 10-5 14-2 123-1 13-6 14-2 133-7 14-2 133-7 14-2 133-7 14-2 133-7 14-2 133-7 14-2 133-7 14-2	V 2.165  ALPHA 28.3 14.8 6.1 15.0 24.1 24.2 22.9 13.2 3.9 5.6 6.1 -2.9 5.6 6.1 32.0 33.4 31.2 23.9 33.1 31.2 20.2 10.1 -8.7 -8.7 -8.7 -8.7	PTH A -71.091 116  SCALE P 0. 165.37048 154.20199 104.11329 111.07589 113.02312 124.31737 120.25333 111.44555 116.29269 106.93050 118.23728 119.05605 196.10585 118.23728 118.23728 118.23728 118.23728 118.23728 111.433203 128.33605 128.33605 128.33605 128.33605 117.41687 111.33203	20.390 11- 21 11- 22 2- 3 3- 4 4- 5 6- 7 8- 9 10-11 11-12 11-12 11-12 12-13 13-14 14-15 15-16 16-17 17-18 19-20 20-21 22-22 22-23 22-23 22-23 22-23 22-24 22-25 22-26 22-2

RA-VII CAM	ERA FA
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JULY 31,1964 13 HR	17 MIN 45	SEC 31	MS		TAB NO	105	ATL	AS PHOTO	NO	105	F	POD SE	EQUENCE NO	0 216
TRAJECTORY DATA				SEC TO		ALT	LA		ON		R	٧	PTH	AZ
PHOTO DATA				483.	769	1057.04880	-5.	803 -30	.763	2792	.504 2	.168	-71.043 1	16.382
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	Δ.	R/A	AZPHAZ	INCD	PHAT E	IA 2TM	OL A	SCALE	PT-PT
	1161.56696	~24.5	6.6	-80.7	58.2	53.58135	0.896	-93.5		39.8 3			0.	0-1
	1112-14986	-38.5	6.4	-81.1	51.5	52.85416				47.5 2			163.42204	1- 2
	1068.28461 1086.06277	-31.4 -57.2	3.4 5.2	-80.5 -81.1	53.2	50.31194 51.37047		-85.6 -85.2		53.1 1			152.75447	
	1121.71089	-68.1	6.9		38.1	52.78789		-85.2 -84.8		42.3 2			103.13087	
	1150.32562	-51.9	8.8	-82-1		54.40987		-90.3		42.1 2			111.94963	
	1201.36259	-40.7	11.2	-83.1	50.2	56.57931		-95.8	68.7	42.4 3	6.7 2		123.09418	6- 7
8 -16.385 -24.187   9 -16.408 -27.986	1158.90594	-28.1 -11.9	7.9 4.6	-61.4 -79.8	57.0	54.81536		-95.3		47.8 3			119.11441	7- 8
	1093.06711	-17.4	3.9		64.5 59.4	53.52761 51.70222		-94.8 -90.2		53.1 2 52.9 1			110.39113	8~ 9
11 -9.126 -28.477	1068.28461	-31.4	3.4	-80.5	53.2	50.31194		-85.6		53.1 1			115.13806 105.89809	
12 -6.462 -31.859	1058.17929	62.1	1.6	-80.9	56.1	47.14949		-82.2					129.66115	
		-74.0	3.0		47.5	48.63031		-81.6	59.2	53.6	5.7	5.6	97.11853	12-13
	1112.00642	-83.6 -86.0	4.3 5.6	-81.2 -81.2	38.3	50.37936		-80.9		48.3 1			101.17307	
	1166.75758	-87.1	6.7	-80.9	31.6 25.9	51.71405 53.48676		-80.0 -79.0		43.0 2			107.74095 117.90660	
17 -8.550 -17.333		-73.7	8.5	-81.8	32.1	54.68093		-84.2		37.0 3		3.4	95.19488	
18 -12.343 -16.568		-60.4	11.1	-83.1	38.5	56.51105		-90.3		36.7 3			117.10796	
	1269.96028	-49.8	14.4	-85.1	44.2	59.00749		-96.4	73.1	37.1 4	3.9 3		130.42784	
20 -21.349 -13.903   21 -20.973 -19.049	1363.08815 1281.65372	-41.7 -32.9	19.2	-88.2	49.2	62.53419			75.1	38.1 5	1.8 3		153.17318	
22 -20.764 -23.534	1231.90213		14.7	-84.9 -82.3	55.2 61.7	59.55191 57.45621				48.5 4			145.79601	
23 -20.670 -27.637	1206.33759	-9.0	5.7	-80.0	68.8	55.96167		-99.4		53.7 3			127.08179	
24 -20.668 31.527	1201.06030	4.7	1.4	-11.8	16.4	54.92514		-98.7		58.9 3			110.23054	
	1134.05118	6.5	1.3	-78.2	72.8	52.61480	0.909	-94.5	57.8	58.4 2	7.2 -	5.1	126.97285	24-25
	1090.66147 1066.24226	9.6	1.4	-78.9	68.4	50.87453		-90.2		58.3 1			113.22511	
28 -6.462 -31.859	1000.24220	18.2 62.1	1.5	-79.9 -80.9	61.0 56.1	49.14277 47.14949		-85.9					104.30040	
20 00.02 31.037	,,	02.1	1.0	-00.7	30.1	41.14343	0.969	-82.2	20.0	58.8	, <del>, ,</del> -	2.7	85.92378	27-28
JULY 31,1964 13 HR	17 MIN 50	SEC 150	MS	1	TAB NO	106	ATL	AS PHOTO	NO	106	Р	OD SE	QUENCE NO	218
JULY 31,1964 13 HR TRAJECTORY DATA	17 MIN 50	SEC 150	MS	SEC TO	IMPACT	ALT	LA.	T LI	DN		2	v	PTH	AZ
TRAJECTORY DATA	17 MIN 50	SEC 150	MS		IMPACT		LA.	T LI	DN		2	v	•	AZ
TRAJECTORY DATA PHOTO DATA				SEC TO 478.	IMPACT 649	ALT 1046.54547	LA' 7 -5.	T LI 836 ~30	DN • 696	2782	R •001 2	171	PTH -70.995 11	AZ 16.373
TRAJECTORY DATA	RANGE	SEC 150 AZS/C -24.7	MS AZN 6.5	SEC TO	IMPACT	ALT 1046.54547	LA <sup>-</sup> 7 ~5.	T L1 836 ~30. AZPHAZ	DN •696 INCD	2782. PHAZ E	R •001 2	V •171 PHA	PTH -70.995 11	AZ 16.373 PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.225 -19.328 1 2 -12.493 -24.618 1	RANGE 1150-13391 1101-40440	AZS/C -24.7 -38.6	AZN	SEC TO 478.	IMPACT 649	ALT 1046.54547	LA <sup>-</sup> 7 -5.1 B/A 0.896	T LI 836 ~30	0N 696 1NCD 8.8	2782	R •001 2 HIS AL 1•5 2	V .171 PHA 8.2	PTH -70.995 11 SCALE 0.	AZ 16.373 PT-PT 0- 1
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.225 -19.328 1 2 -12.493 -24.618 1 3 -9.145 -28.393 1	RANGE 1150-13391 1101-40440 1057-83780	AZS/C -24.7 -38.6 -31.7	AZN 6.5 6.4 3.4	SEC TO 478. AZSUN -80.7 -81.1 -80.6	IMPACT 649 AZA 58.0 51.4 53.1	ALT 1046.54547 A* 53.06168 52.34349 49.81995	B/A 0.896 0.919 0.992	T LE 836 ~30 AZPHAZ -93.5 ~90.2 -85.6	DN .696 INCD 68.8 63.8 59.7	2782 PHAZ EI 39.9 3 47.5 2	R •001 Z HIS AL 1-5 2 3-2 1	V •171 PHA 8•2 4•9 6•3	PTH -70.995 11 SCALE 0. 161.46065 151.30555	AZ 16.373 PT-PT 0- 1 1- 2 2- 3
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.225 -19.328 1 2 -12.493 -24.618 1 3 -9.145 -28.393 1 4 -8.968 -24.983 1	RANGE 1150-13391 1101-40440 1057-83780 1075-55826	AZS/C -24.7 -38.6 -31.7 -57.2	AZN 6.5 6.4 3.4 5.2	SEC TO 478. AZSUN -80.7 -81.1 -80.6 -81.1	IMPACT 649 AZA 58.0 51.4 53.1 45.0	ALT 1046.54547 A* 53.06168 52.34349 49.81995 50.87356	LA <sup>7</sup> -5.8 B/A 0.896 0.919 0.992 0.961	T LE 936 ~30 AZPHAZ -93.5 ~90.2 -85.6 -85.2	INCD 68.8 63.8 59.7 63.1	2782 PHAZ EF 39.9 3: 47.5 2: 53.1 10	R .001 2 HIS AL 1.5 2 3.2 1 0.6	V .171 PHA 8.2 4.9 6.3 5.1	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749	AZ 16.373 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.225 -19.328 1 2 -12.493 -24.618   3 -9.145 -28.393 1 4 -8.968 -24.983 1 5 -8.780 -21.346 1	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1	AZN 6.5 6.4 3.4 5.2 6.9	SEC TO 478. AZSUN -80.7 -81.1 -80.6 -81.1 -81.5	IMPACT 649 AZA 58.0 51.4 53.1 45.0 38.1	ALT 1046.54547 A* 53.06168 52.34349 49.81995 50.87356 52.28012	LA <sup>7</sup> 7 -5.0 8/A 0.896 0.919 0.992 0.961 0.914	T LI 836 +30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8	INCD 68.8 63.8 59.7 63.1	2782. PHAZ EF 39.9 3: 47.5 2: 53.1 1: 47.7 1: 42.3 2:	R •001 2 HIS AL 1.5 2 3.2 1 0.6 7.0 1 5.0 2	V .171 PHA 8.2 4.9 6.3 5.1 4.1	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237	AZ 16.373 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.225 -19.328 ) 2 -12.493 -24.618   3 -9.145 -28.393   4 -8.968 -24.983   5 -8.780 -21.346   6 -12.402 -20.809   7 -16.364 -20.084	RANGE 11501-13391 11011-40440 1057-83780 1075-55826 1110-92278 1139-27110 1139-73021	AZS/C -24.7 -38.6 -31.7 -57.2	AZN 6.5 6.4 3.4 5.2	SEC TO 478. AZSUN -80.7 -81.1 -80.6 -81.1	IMPACT 649 AZA 58.0 51.4 53.1 45.0	ALT 1046.54547 A* 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702	LA' 7 -5.0 8/A 0.896 0.919 0.992 0.961 0.914	T LE 836 ~30 AZPHAZ -93.5 ~90.2 -85.6 -85.2 -84.8 -90.3	INCD 68.8 63.8 59.7 63.1 66.6 67.5	2782. PHAZ E1 39.9 3: 47.5 2: 53.1 1: 47.7 1: 42.3 2: 42.1 2:	R •001 2 HIS AL 1.5 2 3.2 1 0.6 7.0 1 5.0 2 9.8 2	V .171 PHA 8.2 4.9 6.3 5.1 4.1	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.225 -19.328   2 -12.493 -24.618   3 -9.145 -28.393   4 -8.968 -24.983   5 -8.780 -21.346   6 -12.402 -20.809   7 -16.364 -20.084   8 -16.333 -24.43	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -40.7 -28.3	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.2 7.9	SEC TO 478. AZSUN -80.7 -81.1 -81.5 -82.1 -83.1 -81.5	IMPACT 649 AZA 58.0 51.4 53.1 45.0 38.1 44.6 50.2 56.8	ALT 1046-54547 A* 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233	LA' 7 -5. 8/A 0.896 0.919 0.992 0.961 0.914 0.871 0.809 0.860	T LI 836 +30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8	INCD 68.8 63.8 59.7 63.1 66.6 67.5	2782 PHAZ E/ 39.9 3: 47.5 2: 53.1 10 47.7 1: 42.3 2: 42.1 2: 42.1 3:	R .001 2 HIS AL 1.5 2 3.2 1 0.6 7.0 1 5.0 2 9.8 2	V -171 PHA 8-2 4-9 6-3 5-1 4-1 4-2 3-0	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237	AZ 16.373 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.225 -19.328 1 2 -12.493 -24.618 1 3 -9.145 -28.393 1 4 -8.968 -24.983 1 5 -8.780 -21.346 1 6 -12.402 -20.809 1 7 -16.364 -20.084 1 8 -16.333 -24.143 1 9 -16.355 -27.905 1	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 117-63776 1126-25856	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.2 7.9	SEC TO 478. AZSUN -80.7 -81.1 -81.5 -82.1 -83.1 -81.5 -79.9	IMPACT 649 AZA 58.0 51.4 53.1 45.0 38.1 44.6 50.2 56.8 64.3	ALT 1046-54547 A* 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124	LA 7 -5.4 8/A 0.896 0.919 0.992 0.961 0.914 0.671 0.809 0.809	T LE 836 ~30. AZPHAZ -93.5 ~90.2 -85.6 -85.6 -85.8 -90.3 -95.8 -95.8 -95.3	INCD 68.8 63.8 59.7 63.1 66.6 68.7 64.8 61.3	PHAZ E6 39.9 3: 47.5 2: 53-1 1: 47.7 1: 42.3 2: 42.1 2: 42.4 3: 47.8 3: 53.1 2:	3.001 2 41S AL 1.5 2 3.2 1 0.6 7.0 1 5.0 2 9.8 2 5.7 2 1.1 1	V -171 PHA 8-2 4-9 6-3 5-1 4-1 4-2 3-0 3-3 4-0	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.225 -19.328 1 2 -12.493 -24.618 1 3 -9.145 -28.393 1 4 -8.968 -24.983 1 5 -8.780 -21.346 1 6 -12.402 -20.809 1 7 -16.364 -20.084 1 8 -16.333 -24.143 1 9 -16.355 -27.905 1 10 -12.601 -28.174 1	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1126-25856	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.9 4.7 3.9	SEC TO 478. AZSUN -80.7 -81.1 -80.6 -81.1 -81.5 -82.1 -83.1 -81.5 -79.9 -60.1	IMPACT 649 AZA 58.0 51.4 53.1 44.6 50.2 56.3 59.2	ALT 1046.54547 A* 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124 51.19703	LA 7 -5.4 8/A 0.896 0.992 0.996 0.991 0.871 0.809 0.809 0.893	T LI 836 ~30 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.8 -95.8 -95.8 -94.8 -94.8	INCD 68.8 63.8 59.7 63.1 66.6 67.5 68.7 64.8 61.3	2782 PHAZ E1 39.9 3 47.5 2 53.1 10 47.7 1 42.3 2 42.1 2 42.4 3 47.8 3 53.1 2 53.1 2	R. 001 2 MIS AL 1-5 2 3-2 1 0-6 7-0 1 5-0 2 9-8 2 5-7 2 1-1 1 7-8	V -171 PHA 8.2 4.9 6.3 5.1 4.1 4.2 3.0 3.0 3.3 4.0 5.8	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.33587 113.98291	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
PHOTO DATA PT LAT LON 1 -11.225 -19.328   2 -12.493 -24.618   3 -9.145 -28.393   5 -8.780 -21.346   6 -12.402 -20.809   7 -16.364 -20.084   9 -16.355 -27.905   10 -12.601 -28.174   11 -9.145 -28.993	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1126-25856 1082-38628	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -40.7 -28.3 -12.1 -7.6	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.2 7.9 4.7 3.9	SEC TO 478. AZSUN -80.7 -81.1 -81.5 -82.1 -83.1 -81.5 -79.9 -80.1	IMPACT 649 AZA 58.0 51.4 53.1 45.0 38.1 45.0 50.2 56.8 64.3 59.2	ALT 1046.54541 A* 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124 51.19703 49.81995	LA 7 -5.4 8/A 0.896 0.919 0.961 0.914 0.871 0.809 0.860 0.893 0.951	T LE 936 -30 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -95.3	INCD 68.8 63.8 59.7 63.1 66.6 67.5 68.7 64.8 61.3 60.4	2782 PHAZ E/39-9 3: 47-5 2: 53-1 10 47-7 1' 42-3 2: 42-4 3: 42-4 3: 47-8 3: 53-1 2: 53-1 1:	R001 2 HIS AL 1-5 2 3-2 1 0-6 15-0 2 9-8 2 5-7 2 1-1 1 7-8	V .171 PHA 8.2 4.9 6.3 5.1 4.1 4.2 3.0 3.3 4.0 5.8 6.3	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.33587 113.98291 104.86465	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
PHOTO DATA PT LAT LON 1 -11.225 -19.328   2 -12.493 -24.618   3 -9.145 -28.393   5 -8.780 -21.346   6 -12.402 -20.809   7 -16.364 -20.084   8 -16.333 -24.143   9 -16.355 -27.905   10 -12.601 -28.174   11 -9.145 -28.393   12 -6.507 -31.742   13 -6.299 -28.554	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1126-25856	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.9 4.7 3.9	SEC TO 478. AZSUN -80.7 -81.1 -80.6 -81.1 -81.5 -82.1 -83.1 -81.5 -79.9 -60.1	IMPACT 649 AZA 58.0 51.4 53.1 44.6 50.2 56.3 59.2	ALT 1046.54547 A* 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124 51.19703 49.81995 46.67564	LA 7 -5.4 8/A 0.896 0.919 0.961 0.914 0.871 0.809 0.860 0.893 0.951	T £1 836 ~30 AZPHAZ -93.5 ~90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -95.3 -94.8 -90.2 -85.6 -82.2	INCD 68.8 63.8 59.7 63.1 66.6 67.5 68.7 64.8 61.3 60.4 59.7	2782: PHAZ E1 39.9 3: 47.5 2: 53.1 11 42.3 2: 42.1 2: 42.4 3: 42.4 3: 42.4 3: 42.8 3: 53.1 2: 52.9 1: 53.1 1: 53.1 1:	R .001 2 HIS AL 1.5 2 3.2 1 0.6 7.0 1 5.0 2 9.8 2 6.7 2 1.1 1 7.8 3.8 3.3 -	V .171 PHA 8.2 4.9 6.3 5.1 4.1 4.2 3.0 3.3 4.0 5.8 6.3 2.6	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.3358 113.98291 104.86465	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.225 -19.328 1 2 -12.493 -24.618 1 3 -9.145 -28.393 1 4 -8.968 -24.983 1 5 -8.780 -21.346 1 6 -12.402 -20.809 1 7 -16.364 -20.804 1 8 -16.333 -24.143 1 9 -16.355 -27.905 1 10 -12.601 -28.374 1 11 -9.145 -28.393 1 12 -6.507 -31.742 1 13 -6.299 -28.554 1 14 -6.068 -25.235 1	RANGE 1150-1-3391 1101-404-0 1057-83780 1075-55826 1110-92278 1139-27110 1189-7-3021 1147-63776 1082-38628 1057-83780 1057-83780 1047-62074	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -11.7 60.4 -73.8 -83.4	AZN 6.5 6.4 3.4 5.9 8.7 11.2 7.9 3.4 1.6 3.4	AZSUN +80.7 -81.1 -80.6 -81.1 -83.5 -79.9 -80.1 -80.6 -80.9 -81.1 -80.6 -80.9 -81.2	IMPACT 649 AZA 58.0 51.4 53.1 45.0 38.1 45.6 50.8 64.3 553.1 55.8 47.4	ALT 1046.54541 A* 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124 51.19703 49.81995	LA 7 -5.4 8/A 0.8919 0.992 0.961 0.914 0.809 0.809 0.893 0.951 0.992 0.969	T LE 936 -30 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -95.3	INCD 68.8 63.8 59.7 63.1 66.6 67.5 68.7 64.8 61.3 60.4 59.7 56.2	2782 PHAZ E/39-9 3: 47-5 2: 53-1 10 47-7 1' 42-3 2: 42-4 3: 42-4 3: 47-8 3: 53-1 2: 53-1 1:	R001 Z	V .171 PHA 8.2 4.9 6.3 5.1 4.1 4.2 3.3 4.0 5.8 6.3 2.6 5.7	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 110.87519 121.87085 117.97526 109.33587 113.98291 104.86465 128.39631 96.16005	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.225 -19.328 12 -12.493 -24.618 13 -9.145 -28.393 14 -8.968 -24.983 15 -8.780 -21.346 18 16 -12.402 -20.809 17 -16.364 -20.084 18 -16.355 -27.905 10 -12.601 -28.174 11 -9.145 -28.393 12 -6.507 -31.742 11 3 -6.299 -28.554 14 -6.068 -25.235 11 -5.805 -21.703 1	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1126-25856 1082-38628 1057-83780 1047-62074 1049-87816 1049-87816	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -60.4 -73.8 -83.9	AZN 6.5 6.4 5.2 6.9 8.7 11.7 3.9 4.7 3.4 1.6 3.0 4.3	SEC TO 478.  AZSUN +80.7 -81.1 -80.6 -81.1 -83.1	IMPACT 649 AZA 58.0 51.4 53.1 45.0 38.1 45.6 50.8 64.3 59.2 55.8 47.4 38.7	ALT 1046.54547 53.06168 52.34349 49.81995 50.87356 52.28012 54.28233 53.00124 54.119703 49.81995 46.67564 48.15977 49.88921 51.21355	1A' 7 -5.1  B/A 0.896 0.919 0.991 0.914 0.809 0.809 0.893 0.951 0.992 0.969 0.985	T Lt B36 ~ 30. AZPHAZ - 93.5 - 95.6 - 85.6 - 85.3 - 95.3 - 94.8 - 90.2 - 85.6 - 86.6 -	INCD 68.8 63.8 59.7 63.1 66.5 68.7 64.8 61.3 60.4 59.7 56.2 59.3 62.6	2782 PHAZ EI 39.9 3 47.5 2: 53.1 1: 47.7 1: 42.1 2: 42.4 3: 47.8 3: 53.1 2: 53.1 1: 53.1 1: 53.6 4: 48.3 3:	3.001 2 MIS AL 1.5 2 3.2 1 0.6 7.0 2 9.8 2 1.1 1 7.8 3.8 3 3.3 - 5.6 3 3.3 - 5.8 3	V .171 PHA 8.2 4.9 6.3 5.1 4.1 4.2 3.0 3.3 4.0 5.8 6.3 2.6 6.3	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.3358 113.98291 104.86465	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9-10 10-11 11-12 12-13 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.225 -19.328 1 2 -12.493 -24.618 1 3 -9.145 -28.393 1 4 -8.968 -24.983 1 5 -8.780 -21.346 1 6 -12.402 -20.809 1 7 -16.364 -20.884 1 8 -16.333 -24.143 1 9 -16.355 -27.905 1 10 -12.601 -28.174 1 11 -9.145 -28.393 1 12 -6.507 -31.742 1 13 -6.299 -28.554 1 14 -6.068 -25.235 1 15 -5.805 -21.703 1 16 -5.500 -17.841 1	RANGE 1150-1-3391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1147-63776 1082-38628 1057-83780 1047-62074 1048-87816 1067-09729 1101-24968	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -73.6 -31.7 60.4 -85.9 -85.0	AZN 6.5 6.4 3.2 6.9 8.7 7.9 4.7 3.9 4.7 3.0 4.3 5.6	AZSUN -80.1 - 80.6 - 81.1 - 83.1 - 81.5 - 79.9 - 80.6 - 80.9 - 81.1 - 83	IMPACT 649 AZA 58.0 51.4 45.0 38.1 45.0 38.1 44.6 50.2 56.8 64.3 57.4 38.3 31.7 26.0	ALT 1046-54541 A- 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 00124 51.19703 49.81995 46.67564 48.15977 49.88921 51.21355 52.96838	1A' -5.1 B/A 0.896 0.919 0.991 0.914 0.871 0.809 0.893 0.951 0.992 0.969 0.985 0.984 0.938	T L6 836 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -90.2 -86.2 -86.2 -86.6 -80.9 -80.0 -79.0	INCD 68.8 63.8 63.1 66.6 67.7 64.8 61.3 60.4 756.2 59.7 62.6 66.0 67.9	2782 PHAZ E4 39.9 3 47.5 2: 53.1 14 47.7 1: 42.3 2: 42.1 2: 42.1 2: 42.8 3: 53.1 1: 53.1 1: 58.8 55.9 1: 58.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	R .001 Z	V .171 PHA 8.2 4.9 6.3 4.1 4.2 3.0 3.3 4.0 5.8 6.3 5.7 4.3 3.0 2.0	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.3358 117.97526 109.3358 109.3358 109.33631 96.16005 100.20249 106.71398	AZ 16-373 PT-PT 0-1 1-2-3 3-4-5 5-6 6-7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.225 -19.328 12 -12.493 -24.618 13 -9.145 -28.393 14 -8.968 -24.983 15 -8.780 -21.346 18 16 -12.402 -20.809 17 -16.364 -20.084 19 -16.355 -27.905 10 -12.601 -28.174 11 -9.145 -28.393 12 -6.507 -31.742 11 3 -6.299 -28.554 14 -6.068 -25.235 11 -5.805 -21.703 16 -5.500 -17.841 17 -8.575 -17.355	RANGE 1150-13391 1101-40440 1057-55826 1110-92278 1139-27110 1189-73021 1147-63776 1126-25856 1082-38628 1057-83780 1047-62074 1049-87816 1061-09729 1101-24968 1155-45560	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -31.7 -31.7 -33.8 -83.6 -83.6 -83.7	AZN 6.5 6.4 5.2 6.9 11.2 7.9 4.7 9 3.4 1.0 4.3 5.6 6.5	AZSUN -80.7 -81.1 -80.6 -81.1 -83.1 -83.1 -83.1 -83.1 -81.5 -79.9 -80.1 -80.6 -80.9 -81.1 -80.6 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.7 -81.2	IMPACT 649 AZA 58.0 51.4 45.0 38.1 556.2 64.3 59.1 55.8 47.4 31.7 26.0 2	ALT 1046-54547 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 54.28233 53.00124 51.19703 49.81995 46.67564 48.15977 49.88921 51.21355 52.96838 54.15421	1A' 7-5-1 8/A 0.896 0.919 0.992 0.961 0.809 0.860 0.893 0.951 0.992 0.969 0.988 0.984	T L1836 ~30.  AZPHAZ ~93.5 ~90.2 ~85.6 ~90.8 ~95.8 ~95.8 ~90.2 ~85.6 ~82.6 ~82.6 ~82.6 ~82.6 ~82.6 ~82.6 ~82.6 ~80.0 ~90.0 ~94.2	INCD 68.8 63.8 59.7 63.1 66.6 67.5 68.7 64.8 60.4 59.7 56.3 62.6 66.0 69.7	2782. PHAZ E1 39.9 3. 47.5 2: 53.1 11 47.7 1: 42.3 2: 42.1 2: 42.4 3: 47.8 3: 53.1 2: 53.1 2: 53.6 2: 43.0 2: 37.8 3: 37.8 3:	3.001 Z 41S AL 1.5 2 3.2 1 0.6 7.0 1 5.0 2 9.8 2 5.7 2 1.1 1 7.8 8 0.6 3 3.8 3 3.1 2 2.2 3 3.8 3	V .171 PHA 8.2 4.9 6.3 5.1 4.2 3.3 4.0 5.8 6.3 2.6 6.3 3.0 2.6 2.7 4.3	PTH -70.995 11 SCALE 0. 161.46065 102.14749 108.99237 110.87519 121.87085 117.97526 109.33587 113.98291 104.86465 128.39631 96.16005 100.20249 106.71398 116.75772 94.28328	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15 15-16
PHOTO DATA  PHOTO DATA  PT LAT LON  1 -11.225 -19.328 1 2 -12.493 -24.618 1 3 -9.145 -28.393 1 4 -8.968 -24.983 1 5 -8.780 -21.346 1 6 -12.402 -20.809 1 7 -16.364 -20.084 1 8 -16.333 -24.143 1 9 -16.355 -27.905 1 10 -12.601 -28.174 1 11 -9.145 -28.393 1 12 -6.507 -31.742 1 13 -6.299 -28.554 1 14 -6.068 -25.235 1 15 -5.805 -21.703 1 16 -5.500 -17.841 1 17 -8.575 -17.355 1 18 -12.331 -16.598 1	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1082-38628 1057-83780 1047-62074 1049-87816 1049-87816 1055-83560 1155-45560 1167-32324	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -31.7 -31.7 -33.8 -83.6 -83.6 -83.7	AZN 6.54 3.44 5.29 8.7 11.2 7.7 3.9 3.0 4.3 6.7 6.7 6.7	SEC TO 478.  AZSUN -80.7 -81.1 -80.6 -81.1 -81.5 -70.9 -80.6 -80.9 -81.1 -80.9 -81.7 -83.1 -81.2 -81.7 -83.1 -81.2 -81.7 -83.1 -81.7 -83.1 -81.7 -83.1 -81.7 -83.1 -81.7 -83.1 -81.7 -83.1 -81.7 -83.1 -81.7 -83.1 -81.7 -83.1	IMPACT 649 AZA 58.0 51.4 45.0 38.1 45.0 56.8 59.2 55.8 47.4 38.3 26.0 238.5	ALT 1046.54547 A. 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124 51.19703 49.81995 46.67564 48.15977 49.88921 51.21355 52.96838 54.15421 55.96664	LA 7 -5.4 8/A 0.896 0.919 0.914 0.809 0.809 0.893 0.951 0.992 0.969 0.985 0.984 0.984 0.849	T Lt 1836 ~30. AZPHAZ ~93.5 ~90.2 ~85.6 ~90.2 ~84.8 ~90.2 ~85.6 ~90.2 ~85.8 ~90.2 ~85.6 ~82.2 ~85.6 ~82.2 ~85.6 ~82.2 ~85.6 ~80.9 ~80.0 ~90.2 ~80.0 ~90.2 ~80.0 ~90.2 ~80.0 ~90.2 ~80.0 ~90.2 ~80.0 ~90.2 ~80.0 ~90.2 ~90.3	INCD 68.8 63.8 63.7 66.6 67.5 64.8 61.3 60.4 756.2 59.3 66.0 69.9 71.6	2782 PHAZ E1 39.9 3 47.5 2: 53.1 11 47.7 1: 42.1 2: 42.1 2: 42.1 2: 42.1 2: 42.3 2: 53.1 1: 53.1 1: 53.1 1: 53.8 3: 48.3 1: 48.3 1: 48.3 1: 48.3 3: 48.3 3: 37.8 3: 37.8 3: 37.8 3: 37.8 3: 37.8 3: 37.8 3:	R. 001 2 MIS AL 1-5 2 3-2 1 3-6 7-0 1 5-8 3-8 3-3 - 5-8 3-3 - 5-8 3-3 - 5-8 3-3 - 3-8 3-3 - 3-3 -	V .171 PHA 8.2 4.9 6.3 4.1 4.2 3.3 4.0 5.3 4.0 5.7 4.0 0 3.3 4.0 0 3.3 4.0 0 3.3 4.0 0 3.3 4.0 0 3.3 4.0 0 3.3 4.0 0 3.0 0 0 3.0 0 3.0 0 3.0 0 3.0 0 0 3.0 0 3.0 0 0 0	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 110.87519 121.87085 117.97526 109.3358 117.97526 109.3358 104.86465 128.39631 96.16005 100.20249 100.71398 116.75772 94.28328	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
PHOTO DATA PT LAT LON 1 -11.225 -19.328   2 -12.493 -24.618   3 -9.145 -28.393   5 -8.780 -21.346   6 -12.402 -20.809   7 -16.364 -20.084   9 -16.355 -27.905   10 -12.601 -28.174   11 -9.145 -28.993   12 -6.507 -31.742   13 -6.299 -28.554   14 -6.068 -25.235   15 -5.805 -21.703   16 -5.500 -17.841   17 -8.575 -17.355   18 -12.331 -16.998   19 -16.468 -15.538   19 -16.468 -16.468 -15.538   19 -16.468 -16.468 -15.538   19 -16.468 -16.468 -16.468 -1	RANGE 1150-13391 1101-40440 1057-83780 1057-83780 1110-92278 1139-27110 1189-73021 1147-63776 1082-38628 1057-83780 1047-62074 1049-87816 1067-09729 1101-24968 1155-45560 1167-32324 1199-95360 1257-59041	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -31.7 60.4 -85.9 -87.0 -73.7 -40.8	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.2 4.7 3.4 1.6 4.3 5.6 6.7 11.1	SEC TO 478.  AZSUM -80.7 -81.1 -80.6 -81.1 -81.5 -79.9 -80.1 -81.5 -79.9 -80.1 -81.2 -81.2 -81.2 -81.2	IMPACT 649 AZA 58.04 53.1 45.03 8.1 650.2 560.8 570.2 560.8 38.1 47.4 38.7 260.2 38.7 260.2 38.5 440.2	ALT 1046.54547 33.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124 51.19703 46.67564 48.15977 49.88921 51.21355 52.96838 54.15421 51.21355 52.96664 58.43291 61.90729	LA' 7 -5.**  B/A C.896 0.919 0.992 0.961 0.871 0.860 0.893 0.951 0.992 0.969 0.985 0.9874 0.849 0.849 0.849 0.849 0.849 0.849	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -96.3	INCD 68.8 63.8 63.7 66.6 67.7 66.6 67.7 64.8 61.3 60.4 59.7 59.3 62.6 66.9 70.5 71.6	2782. PHAZ E1 39.9 3. 47.5 2: 53.1 11 47.7 1: 42.3 2: 42.1 2: 42.4 3: 47.8 3: 53.1 2: 53.1 2: 53.6 2: 43.0 2: 37.8 3: 37.8 3:	R. 0001 2 MIS AL 1-5 2 3-2 1 0-6 7-0 1 5-0 2 6-7 2 1-1 1 7-8 3-8 0-6 3-3 - 1-1 1 7-8 3-8 0-6 3-3 - 3-8 3-8 3-3 - 3-8 3-8 3-8 3-8 3-8 3-9 3-9 3-9 3-9 3-9 3-9 3-9 3-9	V .171 PHA 8.2 4.9 5.1 4.1 4.2 3.3 5.8 6.3 2.6 5.7 4.3 3.0 3.4 9.3 1.0 3.9 3.1	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 121.17.97526 109.33587 113.98291 104.86465 100.20249 106.71398 116.75772 94.28328 115.97802	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.225 -19.328   2 -12.4493 -24.618   3 -9.145 -28.393   4 -8.968 -24.983   5 -8.780 -21.346   8 -16.333 -24.143   9 -16.355 -27.905   10 -12.601 -28.174   11 -9.145 -28.393   12 -6.507 -31.742   13 -6.299 -28.554   14 -6.068 -25.235   15 -5.805 -21.703   16 -5.500 -17.841   17 -8.575 -17.355   18 -12.331 -16.598   19 -16.468 -15.538   20 -21.243 -13.973   21 -20.872 -19.061	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1126-25856 1082-38628 1057-83780 1047-62074 1049-87816 1067-09729 1101-24968 1155-45560 1167-32324 1199-95360 1257-59041 1349-42113	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -31.7 -60.4 -85.9 -87.0 -73.7 -60.4 -85.9 -40.8 -31.7	AZN 6.5 6.4 3.4 6.9 8.7 7.9 4.7 9 4.3 6.7 8.5 11.1 14.4	AZSUN -80-6 -81-1 -80-6 -81-1 -83-1 -83-1 -83-1 -83-1 -83-1 -81-2 -81-1 -80-9 -81-1 -81-2 -81-1 -88-2 -81-2 -81-2 -81-2 -81-2 -81-2 -84-9 -81-2 -84-9 -81-2	IMPACT 649 AZA 581.4 531.4 45.0 44.6 550.8 550.8 550.8 47.4 38.3 21.0 23.8 47.4 38.3 21.0 23.8 44.4 44.4 44.4 44.4 44.4 44.4 44.4 4	ALT 1046-54547 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124 51.19703 49.81995 46.67564 48.15977 49.88921 51.21355 52.96638 52.96638 58.43291 61.90729 68.43291 61.90729	LA' 7 -5.*  B/A 0.896 0.919 0.992 0.961 0.809 0.803 0.951 0.992 0.968 0.984 0.998 0.984 0.987 0.804 0.737	T 14836 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -90.2 -85.6 -80.9 -80.0 -79.0 -80.2 -90.3 -96.4 -102.3 -101.2 -101.2	INCD 68.8 63.8 7 63.1 667.5 68.7 64.8 60.4 7 59.3 62.6 66.9 7 71.6 73.0 770.3	2782. PHAZ E139.9 3. 47.5 2:53.1 1147.7 2:53.1 2:42.4 3:47.8 3:553.1 2:42.4 3:47.8 3:553.1 2:42.4 3:47.8 3:53.1 1:58.8 ::58.8 3:7.8 3:37.8 3:37.8 3:37.8 3:37.8 3:37.8 3:37.8 3:37.8 3:37.8 3:37.8 3:37.8 3:4	3.001 2 MIS AL 1.5 2 3.2 1 3.6 1 5.0 2 9.8 2 5.7 2 1.1 1 1.3 8 3.8 3 3.8 3 3.8 3 3.8 3 3.9 3 3.9 3 3.9 3	V .171  PHA 8.2 46.3 55.1 44.2 33.3 55.8 62.6 55.7 43.0 23.4 93.1 10.2	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.33587 113.98291 104.86465 100.20249 106.71398 116.75772 94.28328 115.97802	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21
PHOTO DATA PT LAT LON 1 -11.225 -19.328   2 -12.493 -24.618   3 -9.145 -28.393   5 -8.780 -21.346   1 -10.240   7 -16.364 -20.084   1 -16.365 -27.905   1 -16.355 -27.905   1 -16.355 -27.905   1 -16.355 -27.905   1 -16.355 -27.905   1 -16.356 -25.235   1 -16.507 -31.742   1 -6.507 -31.742   1 -6.507 -31.742   1 -6.507 -17.355   1 -6.500 -17.841   1 -8.575 -17.355   1 -6.500 -17.841   1 -8.575 -17.355   1 -6.468 -15.538   1 -6.468 -15.538   1 -6.468 -15.243   1 -6.468   1 -6.468   1 -6	RANGE 1150-13391 1101-40440 1057-83780 1057-83780 1110-92278 1139-27110 1189-73021 1147-63776 1082-38628 1057-83780 1047-62074 1049-87816 1067-09729 1101-24968 1155-5500 1167-32324 1167-32324 1167-3234 1167-324 1167-3	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -31.7 -60.4 -73.8 -83.9 -87.0 -73.7 -60.4 -41.8 -33.0	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.9 4.7 3.4 1.6 3.4 1.6 4.3 5.6 7 8.5 11.1 14.4 19.1 14.6	SEC TO 478.  AZSUM +80.7 -81.1 -80.6 -81.1 -81.5 -82.1 -83.1 -81.5 -79.9 -80.9 -80.9 -81.1 -81.2 -81.2 -81.3 -81.2 -81.3	IMPACT 649 AZA 551.4 551.1 45.0 38.1 45.0 564.8 59.2 555.8 47.4 331.7 26.0 238.5 47.4 38.5 47.4 38.5 47.4 38.5	ALT 1046.54547 53.06168 52.34349 49.81995 50.87356 52.28012 56.03149 54.28233 53.00124 51.19703 49.81995 46.67564 48.15977 49.88921 51.21355 52.96838 54.15421 55.96664 58.43291 61.90729 58.96301 56.88744	LA' 7 -5.4  B/A 0.896 0.992 0.961 0.871 0.809 0.860 0.893 0.951 0.992 0.968 0.984 0.984 0.849 0.849 0.849 0.8737 0.643 0.774	T L1836 ~30.  AZPHAZ ~93.5 ~90.2 ~85.6 ~85.2 ~85.6 ~90.3 ~95.3 ~94.8 ~90.2 ~85.6 ~80.9 ~80.9 ~80.9 ~80.9 ~80.9 ~80.9 ~102.3 ~101.2 ~100.2	DN .696 INCD 68.8 63.8 63.8 63.8 63.8 66.6 66.6 66.6	PHAZ EI 39.9 3. 47.5 2: 53.1 11 47.7 1: 42.1 2: 42.4 3: 47.8 3: 53.1 1: 53.1 1: 53.1 1: 53.8 3: 36.7 3: 37.0 3: 36.7 3: 37.1 4: 37.8 3: 37.0 3: 36.7 3: 36.7 3: 36.7 3:	3.001 Z HIS AL 1.5 2 3 3.2 1 0.6 7.0 1 5.0 2 9.8 2 6.1 1 7.8 3.8 3 3.1 2 2.2 3 3.8 3 3.9 3 3.0 3	V .171 PHA 8.2 6-3 5-1 4-2 3-3 4-0 5-8 3-9 1-0 2-3 3-1 0 0 2	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 110.87519 121.87085 117.97526 109.33587 113.98291 104.86465 128.39631 106.71398 116.75772 94.26328 115.97802 125.82842	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7-7 8-9 9-10 10-11 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.225 -19.328   2 -12.4493 -24.618   3 -9.145 -28.393   4 -8.968 -24.983   5 -8.780 -21.346   6 -12.402 -20.804   10 -12.601 -28.174   11 -9.145 -28.393   12 -6.507 -31.742   13 -6.299 -28.554   14 -6.068 -25.235   15 -5.805 -21.703   16 -5.500 -17.841   17 -8.575 -17.355   18 -12.331 -16.598   19 -16.468 -15.538   20 -21.243 -13.973   21 -20.872 -19.061   22 -20.665 -23.498	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1126-25856 1082-38628 1057-83780 1047-62074 1049-87816 1067-09729 1101-24968 1155-45560 1167-32324 1199-95360 1257-59041 1349-42113 1268-98193 1219-71175	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -92.0 -40.7 -28.3 -12.1 -17.6 -31.7 -60.4 -73.8 -85.9 -87.0 -73.7 -60.4 -49.8 -41.8 -49.8	AZN 6.5 6.4 3.2 6.9 8.7 11.2 7.9 3.4 6.7 8.6 6.7 11.1 14.4 10.2	AZSUN 478.  AZSUN -80.7 -81.1 -80.6 -81.1 -81.5 -79.9 -80.6 -80.9 -81.1 -80.6 -80.9 -81.1 -80.9 -81.1 -80.2 -81.1 -80.2 -81.1 -80.2 -81.2 -84.3	IMPACT 649 AXA0 51.4 45.10 38.16 504.3 21.55.8 43.17.0 32.25 44.3 31.70 32.25 44.1 55.16 61.5	ALT 1046-54547 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 54.28233 53.00124 54.28233 53.00124 54.28233 53.00124 64.67564 48.15977 52.96838 54.15421 52.966301 56.88744 55.40197	LA' 7-5.  B/A 0.896 0.916 0.914 0.809 0.809 0.809 0.985 0.968 0.874 0.873 0.724 0.779 0.816	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.8 -90.2 -85.6 -80.9 -80.0 -79.0 -84.2 -80.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0 -79.0	DN .696 INCD 68.8 659.7 63.1 667.5 667.5 667.5 76.2 367.3 1667.5 70.3 66.2 66.0 69.9 70.5 71.6 66.0 69.9 70.5 66.2 66.0 69.9 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 69.9 70.5 66.2 66.0 66.0 66.0 66.0 66.0 66.0 66.0	2782. PHAZ E1 39.9 3. 47.5 2: 53.1 11 47.7 1: 42.3 2: 42.1 2: 42.1 2: 42.1 2: 42.1 2: 42.1 3: 53.1 1: 53.1 1: 53.6 4: 43.0 2: 37.8 3: 37.0 3: 36.7 3: 37.0 3: 36.7 3: 38.1 5: 48.5 4: 53.7 3:	R .001 2	V171 PHA 2 9 46-3 1 4-2 0 5-1 1 4-2 0 3 4-8 3 2-3 4-9 3 1-1 0-2 2 0 0-7	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 106.87519 121.87085 117.97526 117.97526 117.97526 106.20249 106.71398 106.75772 94.28328 116.75772 94.28328 116.75772 115.27828	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-22 21-22 22-22 22-22
PHOTO DATA PT LAT LON 1 -11.225 -19.328 12 -12.493 -24.618 13 -9.145 -28.393 15 -8.780 -21.346 16 -12.402 -20.809 17 -16.364 -20.084 19 -16.355 -27.905 10 -12.601 -28.174 11 -9.145 -28.393 12 -6.507 -31.742 11 -9.145 -28.554 14 -6.068 -25.235 11 -7.855 18 -12.331 -16.598 19 -16.468 -15.538 19 -16.598 19 -16.468 -15.538 19 -16.468 -16.468 -16.468 -16.468 -16.468 -16.468 -16.468 -16.468 -16.4	RANGE 1150.13391 1101.40440 1057.55826 1110.92278 1110.92278 1139.27110 1189.73021 1147.63776 1126.25856 1082.38628 1057.83780 1047.62074 1049.87816 1067.9729 1167.32324 1167.3	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -31.7 -60.4 -41.8 -33.0 -22.1 -92.4 -7	AZN 6.5 6.4 5.2 6.7 11.2 7.7 3.4 1.6 3.3 5.6 6.5 11.4 19.1 14.2 14.2	SEC TO 478.  AZSUM -80.7 -81.1 -80.6 -81.1 -81.5 -79.9 -80.6 -80.9 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2 -81.2	IMPACT 649 AZAO 51-4 553-0 45-0 553-1 45-0 553-1 553-1 553-1 68-3 21-0 238-5 24-0 238-5 64-3 26-0 238-5 64-5 66-5 66-5 66-5 66-5 66-5 66-5 66	ALT 1046-54547 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 54.28233 53.00124 51.19703 49.81995 64.67564 48.15977 49.88921 51.21355 52.96838 54.15421 55.96608 54.843291 61.90729 58.43291 61.90729 58.96301 56.88744 55.40197	8/A 0.896 0.919 0.991 0.991 0.809 0.871 0.809 0.893 0.992 0.969 0.984 0.977 0.643 0.777 0.643 0.779 0.815 0.835	T L1836 ~30:  AZPHAZ ~93.5 ~90.2 ~85.6 ~85.2 ~84.8 ~90.3 ~95.3 ~95.6 ~82.2 ~81.6 ~80.0 ~79.0 ~84.2 ~90.3 ~90.3 ~90.4 ~102.3 ~90.3 ~96.4 ~102.3 ~90.3 ~96.4 ~98.7	DN .696 INCD 68.8 659.7 63.1 667.5 664.8 67.5 664.8 67.5 766.2 66.0 67.5 662.6 66.0 662.6 66.0 662.6 663.8 6	PHAZ EI 39.9 3.47.5 2:53.1 14.7.7 1:42.1 2:42.4 3:447.8 3:353.1 1:53.1 1	3.001 2 MIS AL 1-5 2 3.2 1 5.0 2 9.8 2 6.7 2 1.1 1 7.8 8 3.8 3 7.9 3 3.1 2 2.2 3 3.1 2 2.2 3 3.3 1 3.3 1 3.3 1 3.3 1 3.3 1 3.3 1 3.3 1 3.3 1 3.4 3 3.6 3 3.7 9 3 3.9 3 3.0	V.171 PHA 8-29 6-5-1 4-20 3-3-3-3-6-6-7 3-3-3-1 1-0-2-27 4-3-3-3-1 1-0-2-27 1-0-2-27	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.33587 113.98291 104.86465 100.20249 106.71398 116.75772 94.28328 115.97802 129.10558 151.4292 142.4048 155.82842 115.15781	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7-8 8-9 9-10 10-11 11-12 13-14 15-16 15-16 15-17 17-18 19-20 20-21 22-23 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.225 -19.328 12 -12.493 -24.618 13 -9.145 -28.393 14 -8.968 -24.983 15 -8.780 -21.346 18 16 -12.402 -20.809 17 -16.364 -20.084 18 -16.355 -27.905 10 -12.601 -28.174 11 -9.145 -28.393 11 -6.507 -31.742 11 -9.145 -28.393 11 -6.507 -31.742 11 -9.145 -28.554 14 -6.068 -25.235 11 -7.855 18 -12.331 -16.598 10 -12.468 -15.538 12 -20.21.243 -13.973 12 -20.865 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 13 -20.571 -27.559 13 -10.725 -20.665 -23.498 12 -20.665 -23.498 13 -20.571 -27.559 13 -10.725 -20.665 -23.498 13 -20.567 -31.492 12 -20.665 -23.498 13 -20.567 -31.492 12 -20.665 -23.498 13 -20.567 -31.492 13 -3.577 13.577 13.577	RANGE 1150.13391 1101.40440 1057.55826 1110.92278 1139.27110 1189.73021 1147.63776 1126.25856 1057.83780 1047.62074 1010.24968 1155.45500 1167.32324 1167.32324 1199.95360 1257.5906 1349.871175 1194.27753 1194.27753	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -92.0 -40.7 -28.3 -12.1 -17.6 -31.7 -60.4 -73.8 -85.9 -87.0 -73.7 -60.4 -49.8 -41.8 -49.8	AZN 6.5 6.4 3.2 6.9 8.7 11.2 7.9 3.4 6.7 8.6 6.7 11.1 14.4 10.2	AZSUN 478.  AZSUN -80.7 -81.1 -80.6 -81.1 -81.5 -79.9 -80.6 -80.9 -81.1 -80.6 -80.9 -81.1 -80.9 -81.1 -80.2 -81.1 -80.2 -81.1 -80.2 -81.2 -84.3	IMPACT 649 AXA0 51.4 45.10 38.16 504.3 21.55.8 43.17.0 32.25 44.3 31.70 32.25 44.1 55.16 61.5	ALT 1046-54547 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 54.28233 53.00124 54.28233 53.00124 54.28233 53.00124 64.67564 48.15977 52.96838 54.15421 52.966301 56.88744 55.40197	1.A.7 -5.1   8/A   6.896   6.919   6.992   6.961   6.809   6.809   6.809   6.809   6.809   6.809   6.809   6.809   6.809   6.984   6.874   6.874   6.873   6.874   6.874   6.875   6.8	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.8 -95.3 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -101.2 -99.4 -98.7	DN .696 INCD 68.8 659.7 63.1 667.5 66.2 66.8 66.0 67.5 66.2 66.0 67.5 66.2 66.0 66.0 66.0 66.0 66.0 66.0 66.0	2782 E139.9 3.47.5 2:53.1 1:42.3 2:42.1 2:442.1 2:442.1 2:442.1 2:53.1 1	3 . 001 Z 41.5 Z 3.2 1 3.2 1 5.0 2 5.0 2 5.7 2 1.1 1 7.8 8 3.3 1 3.3 1 3.3 1 2.2 2 3.3 1 3.3	V.171 PHA 2.9 8.4.9 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0 8.4.0	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 121.87085 117.97526 104.87519 121.87085 117.97526 109.3358 117.97526 109.3358 117.97526 109.3258 117.97526 109.3258 117.97526 100.20249 100.71398 116.75772 94.28328 115.15781 125.582842	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 21-22 22-23 23-24 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.225 -19.328 1 2 -12.493 -24.618 1 3 -9.145 -28.393 1 4 -8.968 -24.983 1 5 -8.780 -21.346 1 6 -12.402 -20.809 1 7 -16.364 -20.084 1 8 -16.333 -24.143 1 9 -16.355 -27.905 1 10 -12.601 -28.174 1 11 -9.145 -28.393 1 12 -6.507 -31.1742 1 13 -6.299 -28.554 1 14 -6.068 -25.235 1 15 -5.805 -21.703 1 16 -5.500 -17.841 1 17 -8.575 -17.355 1 18 -12.331 -16.598 1 19 -16.468 -15.538 1 19 -16.468 -15.538 1 20 -21.243 -13.973 1 21 -20.872 -19.061 2 22 -20.665 -23.498 1 23 -20.571 -27.559 1 24 -20.567 -31.492 1 25 -16.422 -31.492 1 26 -12.723 -31.577 1 27 -9.314 -31.664 1	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1082-38628 1057-83780 1047-62074 1049-87816 1049-	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -0.4 -73.8 -85.9 -73.7 -60.4 -49.8 -40.8 -40.8 -40.8 -40.8 -40.8 -40.8 -	AZN 6.5 6.5 6.4 4 3.4 5.2 2 7.9 8.7 7 9 3.4 4 3.9 3.4 4 3.1 14.6 6.7 8 11.1 14.6 2 5.7 11.1 14.6 1 1.5 1 1.5 1 1.5	SEC TO 478.  AZSUM -80.7 -81.1 -80.6 -81.1 -81.5 -82.1 -81.5 -82.1 -81.5 -79.9 -80.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.7 -80.2 -81.1 -80.2 -81.7 -80.2 -81.7 -70.9	IMPACT 649 AZA045:41 45:01 45:0.1 45:0.38:1.2 56:0.8 59:0.1 47:0.3 31:0.0 32:0.5 47:0.3 31:0.0 32:0.0 47:0.3 47:0.0 48:0.0 48:0.0	53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 49.81995 46.67564 48.15977 49.88921 51.19703 49.81995 52.96838 54.15421 51.21355 52.96838 54.15421 51.36608 58.43291 56.88744 57.36608 58.366301 56.36930 56.36930 57.36930 57.36930 57.36930 57.36930 57.36930 57.36930 57.36930 57.36930 57.36930 57.36930	LA' -5. A C . A C	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -94.8 -90.2 -81.6 -80.0 -80.0 -84.2 -90.3 -90.2 -81.6 -80.0 -79.0 -84.2 -90.3 -90.3 -90.2 -80.6 -80.9 -80.0 -80.0 -90.3 -90.8 -90.0 -90.3 -90.0 -90.3 -90.0 -90.3 -90.0 -90.3 -90.0 -	DN .696 INCD .68.8 8 59.7 666.6 67.7 666.6 67.7 666.6 67.7 71.6 66.0 69.9 771.6 66.0 69.9 771.6 67.7 71.0 71.0 71.0 71.0 71.0 71.0 71.0 7	2782 PHAZ E1 39.9 3.1 47.5 2: 53.1 14.2 42.3 2: 42.4 2.3 47.8 3: 53.1 2: 53.1 1: 53.1 1: 53.1 1: 53.1 1: 53.1 1: 53.1 1: 53.1 1: 53.1 1: 53.1 1: 53.1 1: 53.1 1: 53.1 37.8 3:	3 001 2 115 AL 1	V.171 PHA 8-29 6-31 54-12 33-4-08 33-4-08 33-10 22-73-30 10-02 78-4-9 33-10 23-4-9 43-0	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.33587 113.98291 104.86465 100.20249 106.71398 116.75772 94.28328 115.97802 129.10558 151.4292 142.4048 155.82842 115.15781	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15 15-16 11-17 17-18 18-19 19-20 21-22 22-23 24-25 25-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.225 -19.328 12 -12.493 -24.618 13 -9.145 -28.393 14 -8.968 -24.983 15 -8.780 -21.346 18 16 -12.402 -20.809 17 -16.364 -20.084 18 -16.355 -27.905 10 -12.601 -28.174 11 -9.145 -28.393 11 -6.507 -31.742 11 -9.145 -28.393 11 -6.507 -31.742 11 -9.145 -28.554 14 -6.068 -25.235 11 -7.855 18 -12.331 -16.598 10 -12.468 -15.538 12 -20.21.243 -13.973 12 -20.865 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 12 -20.665 -23.498 13 -20.571 -27.559 13 -10.725 -20.665 -23.498 12 -20.665 -23.498 13 -20.571 -27.559 13 -10.725 -20.665 -23.498 13 -20.567 -31.492 12 -20.665 -23.498 13 -20.567 -31.492 12 -20.665 -23.498 13 -20.567 -31.492 13 -3.577 13.577 13.577	RANGE 1150-13391 1101-40440 1057-83780 1075-55826 1110-92278 1139-27110 1189-73021 1147-63776 1082-38628 1057-83780 1047-62074 1049-87816 1049-	AZS/C -24.7 -38.6 -31.7 -57.2 -68.1 -52.0 -40.7 -28.3 -12.1 -17.6 -83.4 -83.4 -85.9 -87.0 -73.7 -60.4 -49.8 -41.8 -33.0 -22.1 -9.2 -49.7 -49.8	AZN 6.5 6.4 4 5.2 2 6.9 8.7 11.2 7 11.2 7 8.5 1 1.6 4 3 5 6.7 8 1 1 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SEC TO 478.  AZSUM -80.7 -81.1 -80.6 -81.1 -81.5 -79.9 -80.1 -80.6 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -80.9 -81.1 -81.2	IMPACT 649 AZA045:41 45:01 45:0.1 45:0.38:1.2 56:0.8 59:0.1 47:0.3 31:0.0 32:0.5 47:0.3 31:0.0 32:0.0 47:0.3 47:0.0 48:0.0 48:0.0	ALT 1046-54547 53.06168 52.34349 49.81995 50.87356 52.28012 53.88702 56.03149 54.28233 53.00124 51.19703 49.81995 64.67564 48.15977 49.88921 51.21355 52.96838 54.15421 55.96664 58.43291 61.90729 58.96301 56.88744 55.40197	LA' -5. A C . A C	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -94.8 -90.2 -81.6 -80.0 -80.0 -84.2 -90.3 -90.2 -81.6 -80.0 -79.0 -84.2 -90.3 -90.3 -90.2 -80.6 -80.9 -80.0 -80.0 -90.3 -90.8 -90.0 -90.3 -90.0 -90.3 -90.0 -90.3 -90.0 -90.3 -90.0 -	DN .696 INCD .68.8 8 59.7 666.6 67.7 666.6 67.7 666.6 67.7 71.6 66.0 69.9 771.6 66.0 69.9 771.6 67.7 71.0 71.0 71.0 71.0 71.0 71.0 71.0 7	2782. PHAZ EI 39.9 3. 47.5 2: 53.1 14. 42.3 2: 42.3 2: 42.3 1 2: 53.1 1: 53.1 1: 53.1 1: 53.6 . 48.3 1: 36.7 3: 36.7 3: 36.7 3: 36.7 3: 38.1 5: 48.5 4: 53.7 3: 53.8 4: 53.8 4: 54.8 4	3 001 2 115 AL 1	V.171 PHA 8-29 6-31 54-12 33-4-08 33-4-08 33-10 22-73-30 10-02 78-4-9 33-10 23-4-9 43-0	PTH -70.995 11 SCALE 0. 161.46065 151.30555 102.14749 108.99237 110.87519 121.87085 117.97526 109.33587 113.98291 104.86465 113.98291 104.28328 115.97802 144.24048 125.82842 115.15781 125.82842 115.15781	AZ 16.373 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 12-12 12-13 11-12 12-13 11-14 14-15 16-17 17-18 18-19 20-21 21-22 23-24 22-23 23-24 25-26 26-27

					RA-VII	CAMERA	\ FA							54
					1	AB NO	107	ATLAS	S РНОТО	NO	107	POD S	EQUENCE NO	220
JULY 31,19	64 13 HR	17 MIN 55	SEC 270	MS		_							•	
TRAJECTOR	Y DATA				SEC TO 473.		ALT 1036.03036	LAT -5.8	69 -30	DN •629	R 2771.486	V 2.174	PTH -70.947 11	AZ 6.364
PHOTO DAT			AZS/C	AZN	AZSUN	AZA	A•	0/4	470047	TAICD	PHAZ EMIS	AL DUA	SCALE	PT-PT
PT LAT 1 -11.216	LON - 19. 344	RANGE 1138.68610	-24.8	6.5	-80.8		52.54129				39.9 31.4		0.	0- l
2 -12.479	-24.570	1090.64325	-38.7	6.4	-81.1		51.83208	0.919	-90.2		47.5 23.2			1- 2 2- 3
		1047.37842	-32.0	3.4	-80.6	52.9	49.32737 50.37594		-85.6		53.1 10.7 47.7 17.0	6.3 15.1	149.85394	3- 4
4 -8.989 5 -8.802		1065.03873	-57.2 -68.0	5.2 6.9	-81.1 -81.4	44.9 38.1	51.77156		-84.8		42.3 25.1	24.1	107.94836	4- 5
6 -12.390	-20.798	1128.19907	-52.0	8.7	-82.1	44.5	53.36334	0.871	-90.3	67.5	42.1 29.B	24.2	109.79914	5- 6
7 -16.312	-20.081	1178.08099	-40.8	11.1	-83.2		55.48288		~95.8 -95.3		42.4 36.6 47.8 31.1	23.0 13.4	120.64634	6- 7 7- 8
8 -16.280 9 -16.301	-24.100	1136.35445 1115.06248	-28.4 -12.3	7.9 4.7	-81.5 -79.9	56.7 64.0	53.74859 52.47428		-94.8		53.1 27.7	4.1	108.27894	8- 9
10 -12.585	-28.091	1071.69234	-17.9	3.9	80.1	59.0	50-69123	0.951	-90-2	60.5	52.9 18.8	5.9	112.82698	9-10
11 -9.164	-28.309	1047.37842	-32.0	3.4	-80.6	52.9	49.32737				53.1 10.7	6.3	103.82973	10-11
	-31.626	1037.05382	58.6 -73.5	1.7 3.0	-80.9 -81.1	55.6 47.3	46.20170		-82.2 -81.6	56.3	58.8 3.2 53.6 5.9	-2.5 5.8	95.20085	
13 -6.346 14 -6.117	-28.470	1039.44492	-83.2	4.4	-81.2		49.39842				48.3 14.4	14.3	99.23048	13-14
		1090.47751		5.6	-81.1	31.7	50.71234			66.1	43.0 23.1	23.1	105.68524	
16 -5.554	-17.860	1144.13753	-86.9	6.7	-80.8	26.2	52.44927		+79.0	69.9	37.8 32.2	32.0	115.60733	15-16
17 -8.599		1155.95303	-73.6 -60.4	8.5	-81.7 -83.1	38.5	53.62667 55.42139		-84.2 -90.3		37.0 33.8 36.7 37.8		114.84622	
18 -12.319 19 -16.414	-16.020	1245.20398		14.3	-85.1	44.1	57.85756		-96.4	73.0	37.1 43.8	33.0	127.78266	18-19
20 -21.136	- 14.043	1335.74522	-41.8	18.9			61.27998	0.645			38.1 51.5		149.68971	19-20
21 -20.771	-19.072	1256.29745	-33.1	14.5							43.2 44.9		142.68642	
22 -20.566	-23.462	1207-50943	-22.2	10.1	-82.4 -80.2		54.84185		-99.4	62.5	48.5 40.0 53.7 37.1	0.8	114.02659	22-23
		1176.61462		1.3		75.8	53.80683		-98.7	59.0	58.9 36.5	-8.2	108.02673	23-24
25 -16.366	-31.374	1111.35941	6.0	1.4		72.1	51.56192		-94.5		58.4 27.1		124.19753	
26 -12.705	-31.461	1068.98648	8.9	1.5		67.8	49.86362 48.16187		-90.2 -85.9		58.3 18.1 58.4 9.5		110.90843	
27 -9.331 28 -6.552	-31.548	1045.05077	16.8 58.6	1.6	-80.9		46.20170		-82.2		58.8 3.2		84.22079	
20 -0.332	31.020	103.103302	,,,,											
						TAB NO	108	ATLA	AS PHOTO	) NO	108	POD :	SEQUENCE NO	) 222
JULY 31,19	964 13 HI	K 18 MIN U	2EC 340	M3										
TRAJECTU	RY DATA				SEC TO		ALT	LA1		ON	R	. v	PTH	AZ
					468	409	1025,5032	0 -5.9	903 -30	194.	2760.95	8 2.171	-70.899 1	10.334
PHOTO DAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A.	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
		1127.22327		6.5			52.01992			68.8	39.9 31.4	28.2	0.	0- 1
2 -12,465	-24.522	1079.86201	-38.8	6.4		51.2	51.31970				47.5 23.2 53.1 10.7	15.0	157.54763 148.39860	1- 2 2- 3
		1036.90442		3.4 5.2			48.83410		-85.6 -85.2	63.2	47.7 17.1	15.2	100.17568	3- 4
4 -9.009 5 -8.825		1089.29247		6.9		38.1	51.26203		-84.8	66.7	42.3 25.1	24.1	106.90177	4-5
6 -12.376	-20.786	1117.10396	-52.0	8.7			52.83857		-90.3	67.5	42.1 29.8	24.2	108.72027	
7 -16.259		1166.40700		11-1			54.93310		-95.8 -95.3	68.7	42.4 36.6	13.6	119.41913	
8 -16.227 9 -16.247		1125.04955		7.9			51.94650				53.1 27.		107.21958	
	-28-009	1060.98181	-18.1	4.0			50.18463			60.6	52.9 18.6	6.0	111.66918	
11 -9.182	-28.225	1036.90442	-32.3	3.4	-80.6	52.8	48.83410				53.1 10.		102.79288	10-11
12 -6.597	-31.510	1026.47818	56.8	1.7		55.3	45.72762				58.8 3.6 53.6 6.0		125.86279	
13 -6.393 14 -6.166		1028.99928		3.0		47.2	48.90691				7 48.3 14.4		98.25683	13-14
		1079.68745		5.6	-81.1	31.8	50.21030	0.938	-80.0	66.	43.0 23.7	23.1	104.65424	
16 -5.608	-17.879	1132.79984	-86.8	6.7			51.92927				37.8 32.3 5 37.0 33.4		114.45456 92.45509	
17 -8.623		1144.56018	-73.6 -60.4	8.6			53.09809 54.87496				5 36.7 37.1	33.A	113.71169	
18 -12.306		1176.54231		14.3		44.1	57.28096			72.9	37.1 43.	7 33.0	126.45703	18-19
20 -21.029	-14-113	1322.04562	-41.8	18.8	-88.1	49.1	60.6515	0.646	-102.3	74.	38.1 51.	4 30.9	147.95068	19-20
21 -20.670	-19.084	1243.58896	-33.1	14.4			57.78291	0.726	-101.2	70.	Z 43.2 44.	8 20-2 9 10.3	141.13093 123.31598	20-21 21-22
22 -20.467		1195.28598		10.1		61.2	54.28097	0.816	-99.4	62.	5 53.7 37.	0 1.0	112.89284	22-23

04	-V T I	CAMERA	C A

JULY 31,1964 13 HR 18	R MIN S SEC SIO	мс		TAB NO	109	ATLA	AS PHOTO	NO	109		POD S	SEQUENCE NO	224
TRAJECTORY DATA	5 MIN 9 320 910		SEC 10		ALT 1014.96426	LAT			275	R	V		AZ
PHOTO DATA			403.	207	1014.9042	, -5.9	· >0 - 3V.	772	213	0.420	2.180	-70.850 11	0.343
PT LAT LON	RANGE AZS/C	AZN	AZSUN	AZA	A+		AZPHAZ						PT-PT
1 -11.198 -19.384 111		6.5	-80.9	57.5	51.49732				39.9			0.	0- 1
2 -12.450 -24.474 106 3 -9.200 -28.142 102		6.4	-81.2	51.1	50.80616				47.5			155.60675	1- 2
3 -9.200 -28.142 102 4 -9.029 -24.830 104		3.4 5.2	-80.6 -81.1	52.6 44.8	48.34005				53.1 47.7		6.5 15.2	146.93847	2-3
5 -8.846 -21.297 107		6.9	-81.4	38.2	50.75136				42.3		24.2	99.18651	4-5
6 -12.363 -20.776 110		8.7	-82.1	44.4	52.31243				42.1		24.2	107.63784	5-6
7 -16.205 -20.076 115		11.1	-83.2	49.9	54.38175				42.4		23.0	118.18752	6- 7
8 -16.174 -24.014 111		7.9	-81.6	56.4	52.67772				47.8		13.5	114.54111	7- 8
9 -16.192 -27.663 109		4.7	-80.1	63.6	51.41763				53.2		4.3	106.15695	8- 9
10 -12.553 -27.927 105 11 -9.200 -28.142 102		4.0 3.4	-80.2 -80.6	58.6	49.67709				52.9 53.1		6.0	110.50836	9-10
12 -6.641 -31.393 101		1.7	-80.9	52.6 55.1	45.25341					3.1	6.5 -2.3	124.59343	
13 -6.439 -28.300 101		3.1	-81.1	47.1	46.74449				53.6		6.0	93.27998	
14 -6.214 -25.077 103	35.56729 -82.9	4.4	-81.2	38.4	48.41461				48.3		14.4	97.28123	
15 -5.958 -21.646 106		5.6	-81.1	31.9	49.70734				43.0		23.1	103.62060	
16 -5.662 -17.898 112		6.8	-80.8	26.4	51.40824				37.8		31.9	113.29874	
17 -8.647 -17.423 113 18 -12.293 -16.690 116		8.6	-81.7	32.4	52.56824				37.1		33.3	91.53735	
18 -12.293 -16.690 116 19 -16.305 -15.672 122		11.0	-83.1 -85.1	38.6 44.1	54.32699 56.70261				36.7 37.1		33.8	112.57282	
20 20 921 -14.184 130		18.7	-88.1	49.0	60.02134				38.1		30.8	146.20828	
21 -20.567 -19.097 123		14.4	-85.0	54.8	57.19061				43.2		20.2	139.57086	
22 -20.366 -23.393 118	83.03125 -22.4	10.1	-82.5	61.0	55.1/005				48.5		10.4	122.05329	
23 -20.272 -27.326 115		5.8	-80.4	67.9	53.71893				53.7		1.1	111-75532	
24 -20.261 -31.050 115		1.4	-78.2	75.2	52.68657				58.9		-7.9	105.81822	
25 -16.254 -31.140 106 26 -12.670 -31.228 104		1.5	-78.5 -79.1	71.5 67.1	50.50667 48.85041				58.4 58.3		-4.6	121.42338	
27 -9.364 -31.316 102		1.6	-80.0	59.8	47.17954					9.5	-2.7 -2.0	108.58678	
28 -6.641 -31.393 101		1.7	-80.9	55.1	45.25341				58.8		-2.3	82.51402	
JULY 31,1964 13 HR 18	8 MIN 10 SEC 630	MS.		TAB NO	110	ATLA	AS PHOTO		110		POD S	SEQUENCE NO	226
TRAJECTORY DATA	8 MIN 10 SEC 630	) MS	SEC TO 458	IMPACT	110 ALT 1004,4132	LAT	AS PHOTO	NO N		R 19•869	٧	-	ΑŽ
TRAJECTORY DATA			SEC TO 458	IMPACT	ALT 1004,4132	LAT 7 -5.9	AS PHOTO LO 770 -30.	NO N 424	273	9.869	v 2.183	PTH -70.800 11	AZ 6.336
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE AZS/C	AZN	SEC TO 458	IMPACT 169	ALT 1004-4132	LAT 7 -5.9 B/A	AS PHOTO  LO 70 -30.	NO N 424 INCD	273 PHAZ	9.869 EMIS	V 2.183 ALPHA	PTH -70.800 11 SCALE	A2 6.336 PT-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11-189 -19-403 110	RANGE AZS/C 04.25281 -25.3	AZN 6.5	SEC TO 458. AZSUN -80.9	IMPACT 169 AZA 57.4	ALT 1004.4132 A+ 50.97397	LAT 7 -5.9 B/A 0.896	AS PHOTO  LO  70 -30.  AZPHAZ  -93.5	NO N 424 INCD 68.7	273 PHAZ 39.9	9.869 EMIS 31.3	V 2.183 ALPHA 28.1	PTH -70.800 11 SCALE 0.	A2 6.336 PT-PT 0- 1
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -11.189 -19.403 110 2 -12.435 -24.427 105	RANGE AZS/C 04.25281 -25.3 58.23430 -39.0	AZN 6.5 6.4	SEC TO 458	IMPACT 169 AZA 57.4 51.0	ALT 1004.4132 A+ 50.97397 50.29186	LAT 7 -5.9 B/A 0.896 0.919	AS PHOTO  LO  70 -30.  AZPHAZ  -93.5  -90.2	NO N 424 INCD 68.7 64.0	273 PHAZ 39.9 47.5	9.869 EMIS 31.3 23.2	V 2.183 ALPHA	PTH -70.800 11 SCALE 0. 153.66735	A2 6.336 PT-PT 0- 1 1- 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11-189 -19-403 110	RANGE AZS/C 04.25281 -25.3 58.23430 -39.0 15.91027 -32.9	AZN 6.5	SEC TO 458. AZSUN -80.9 -81.2	IMPACT 169 AZA 57.4	ALT 1004.4132 A+ 50.97397	LAT 7 -5.9 B/A 0.896 0.919 0.991	AS PHOTO  1070 -30.  AZPHAZ -93.5 -90.2 -85.6	NO N 424 INCD 68.7 64.0 60.1	273 PHAZ 39.9	9.869 EMIS 31.3 23.2 10.9	V 2.183 ALPHA 28.1 15.1	PTH -70.800 11 SCALE 0. 153.66735	A2 6.336 PT-PT 0- 1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 11 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 103 5 -8.868 -21.281 106	RANGE AZS/C 04.25281 -25.3 58.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9	AZN 6.5 6.4 3.4 5.2 6.9	SEC TO 458.  AZSUN -80.9 -81.2 -80.6 -81.1 -81.4	IMPACT 169 AZA 57.4 51.0 52.4 44.8 38.2	ALT 1004.4132 A* 50.97397 50.29186 47.84539 48.87788 50.23990	LAT 7 -5.9 B/A 0.896 0.919 0.991 0.960 0.914	AS PHOTO  1070 -30.  AZPHAZ -93.5 -90.2 +85.6 -85.2 -84.8	NO N 424 INCD 68.7 64.0 60.1 63.3 66.7	273 PHAZ 39.9 47.5 53.1 47.7 42.3	9.869 EMIS 31.3 23.2 10.9 17.2 25.1	V 2.183 ALPHA 28.1 15.1 6.6 15.3 24.2	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -11.189 -19.403 110 2 -12.435 -24.427 109 3 -9.218 -28.058 101 4 -9.049 -24.779 102 5 -8.868 -21.281 100 6 -12.349 -20.765 109	RANGE AZS/C 04-25281 -25-3 58-23430 -39-0 15-91027 -32-9 33-37004 -57-3 67-57568 -67-9 94-83813 -52-1	AZN 6.5 6.4 3.4 5.2 6.9 8.7	SEC TO 458. AZSUN -80.9 -81.2 -80.1 -81.4 -82.1	IMPACT 169 AZA 57.4 51.0 52.4 44.8 38.2	ALT 1004,4132 A* 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545	LAT 7 -5.9 B/A 0.896 0.919 0.991 0.960 0.914 0.871	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3	NO N 424 INCD 68.7 64.0 60.1 63.3 66.7 67.5	273 PHAZ 39.9 47.5 53.1 47.7 42.3 42.1	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8	V 2.183 ALPHA 28.1 15.1 6.6 15.3 24.2 24.2	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 11( 2 -12.455 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 105 5 -8.868 -21.281 100 6 -12.349 -20.765 105 7 -16.152 -20.074 114	RANGE AZS/C 04.25281 - 25.3 58.23430 - 39.0 15.91027 - 32.9 33.37004 - 57.3 67.57568 - 67.9 94.83813 - 52.1 42.97565 - 41.0	AZN 6.5 6.4 3.4 5.2 6.9 8.7	SEC TO 458.  AZSUN -80.9 -81.2 -80.6 -81.1 -81.4 -82.1 -83.2	IMPACT 169 AZA 57.4 51.0 52.4 44.8 38.2 44.4 49.8	ALT 1004.4132' A* 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961	LAT 7 -5.9 B/A 0.896 0.919 0.960 0.914 C.871 0.811	AS PHOTO  LO  770 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	NO N 424 INCD 68.7 64.0 60.1 63.3 66.7 67.5	273 PHAZ 39.9 47.5 53.1 47.7 42.3 42.1 42.4	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8 36.5	V 2.183 ALPHA 28.1 15.1 6.6 15.3 24.2 24.2 23.0	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 -19.403 11( 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 105 5 -8.868 -21.281 106 6 -12.349 -20.765 105 7 -15.152 -20.074 116 8 -16.120 -23.971 116	RANGE AZS/C 04.25281 -25.3 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97365 -41.0 02.36768 -28.7	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.0	SEC TO 458. AZSUN -80.9 -81.2 -80.6 -81.1 -81.4 -82.1 -83.2 -81.6	IMPACT 169 AZA 57.4 51.0 52.4 44.8 38.2 44.4 56.3	ALT 1004.4132' A* 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090	B/A 0.896 0.919 0.960 0.914 0.871 0.811	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	NO N 424 INCD 68.7 64.0 60.1 63.3 66.7 67.5 68.7 65.0	273 PHAZ 39.9 47.5 53.1 47.1 42.3 42.1 42.4 47.8	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8 36.5 31.0	V 2.183 ALPHA 28.1 15.1 6.6 15.3 24.2 24.2 23.0 13.5	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 11C 2 -12.435 -24.427 105 3 -9.218 -28.058 106 4 -9.049 -24.779 105 5 -8.868 -21.281 10C 6 -12.349 -20.765 107 7 -16.152 -20.074 114 8 -16.120 -23.971 119 9 -16.138 -27.583 106	RANGE AZS/C 04.25281 -25.3 58.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 81.36218 -12.8	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.0 7.9 4.7	AZSUN -80.9 -81.2 -80.6 -81.1 -81.4 -82.1 -83.2 -80.6 -80.1	IMPACT 169 AZA 57.4 51.0 52.4 44.8 38.2 44.4 49.8 56.3 63.4	ALT 1004-4132 A* 50-97397 50-29186 47-84539 48-87788 50-23990 51-78545 53-82961 52-14090 50-88817	LAT 7 -5.9 B/A 0.896 0.919 0.960 0.914 C.871 0.811 0.811 0.894	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.2 -90.3 -95.8 -95.3 -95.8	NO N 424 INCD 68.7 64.0 60.1 63.3 66.7 67.5 68.7 65.0 61.5	273 PHAZ 39.9 47.5 53.1 47.7 42.3 42.1 42.4 47.8 53.2	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8 36.5 31.0 27.6	V 2.183 ALPHA 28-1 15-1 6-6 15-3 24-2 24-2 24-2 13-5 4-4	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.95372 116.95479 113.39043	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 -19.403 11( 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 105 5 -8.868 -21.281 106 6 -12.349 -20.765 105 7 -15.152 -20.074 116 8 -16.120 -23.971 116	RANGE AZS/C 04.25281 -25.3 58.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 39.50706 -18.6	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.0	SEC TO 458. AZSUN -80.9 -81.2 -80.6 -81.1 -81.4 -82.1 -83.2 -81.6	IMPACT 169 AZA 57.4 51.0 52.4 44.8 38.2 44.4 56.3	ALT 1004.4132' A* 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090	LAT 7 -5.9 B/A 0.896 0.919 0.960 0.914 C.871 0.811 0.811 0.894	AS PHOTO 170 -30. AZPHAZ -93.5 -90.2 -85.6 -85.6 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2	NO N 424 INCD 68.7 64.0 60.1 63.3 66.7 67.5 68.7 65.0 61.5 60.7	273 PHAZ 39.9 47.5 53.1 47.1 42.3 42.1 42.4 47.8	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8 36.5 31.0 27.6 18.9	V 2.183 ALPHA 28.1 15.1 6.6 15.3 24.2 24.2 23.0 13.5	PTH -70.800 11 SCALE 0.153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043 105.09261	A2 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 110 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 103 5 -8.868 -21.281 100 6 -12.349 -20.765 107 7 -16.152 -20.074 114 8 -16.120 -23.971 110 9 -16.138 -27.583 106 10 -12.537 -27.845 103 11 -9.218 -28.058 101 12 -6.666 -31.777 100	RANGE AZS/C 04.25281 -25.3 58.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 39.50706 -18.6 15.91027 -32.9 05.30067 52.9	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.0 7.9 4.7	SEC TO 458.  AZSUN -80.9 -81.2 -80.6 -81.1 -83.2 -80.6 -80.1 -80.2 -80.6 -80.8	IMPACT 169 AZA 57.4 51.0 52.4 44.8 244.4 49.8 63.4 58.4 58.4 54.8	ALT 1004.4132 A* 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090 50.88817 49.16891 47.84539 44.77904	B/A 0.896 0.991 0.960 0.914 0.811 0.861 0.894 0.951 0.991	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -95.8 -90.2 -85.6 -82.2	NO N 424 INCD 68.7 64.0 66.1 66.7 67.5 68.7 65.0 61.5 60.1 56.6	273 PHAZ 39.9 53.1 47.7 42.3 42.1 47.8 53.9 53.9 53.9 58.8	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8 36.5 31.0 27.6 18.9	V 2.183 ALPHA 28-1 15-3 24-2 24-2 24-2 24-2 13-5 4-4 6-1 6-6	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.95372 116.95479 113.39043	A2 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 11C 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 105 5 -8.868 -21.281 106 6 -12.349 -20.745 106 7 -16.152 -20.074 116 8 -16.120 -23.971 11C 9 -16.138 -27.583 106 10 -12.537 -27.845 103 11 -9.218 -28.058 101 12 -6.686 -31.277 106 13 -6.485 -28.216 100	RANGE	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.0 7.9 4.7 4.0 3.4	SEC TO 458.  AZSUN -80.9 -81.2 -80.6 -81.1 -81.4 -82.2 -81.6 -80.1 -80.2 -80.6 -80.8	IMPACT 169 AZA 57.4 51.0 44.8 38.2 44.8 56.3 63.4 52.4 52.4 52.4	ALT 1004.4132 A* 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090 50.88817 49.16891 47.84539 44.77904 46.27145	LAT7 -5.9  B/A 0.896 0.919 0.991 0.960 0.914 0.811 0.861 0.895 0.991 0.998	AS PHOTO  LU 170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -85.6 -82.2 -85.6 -82.8	NO N 424 INCD 660.1 63.3 66.7 67.5 68.7 65.0 61.5 60.1 56.6	273 PHAZ 39.9 47.5 47.7 42.3 42.1 42.4 53.2 53.2 53.1 53.6	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8 36.5 31.0 27.6 18.9 10.9 3.0 6.1	V 2.183 ALPHA 28-1 15-1 6.6 15-3 24-2 23-0 13-5 6-1 6-6 -2-6	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.955479 113.39043 105.09261 109.34670 100.71296 123.32266 92.31832	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 11C 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 105 5 -8.868 -21.281 100 6 -12.349 -20.765 105 7 -16.152 -20.074 114 8 -16.120 -23.971 11C 9 -16.138 -27.583 106 10 -12.537 -27.845 102 11 -9.218 -28.058 101 12 -6.686 -31.277 100 13 -6.485 -28.216 100 14 -6.202 -25.025 102	RANGE	AZN 6.5 6.4 3.4 5.2 6.9 8.7 11.0 7.9 4.7 4.0 3.4 1.7	SEC TO 458.  AZSUN -80.9 -81.2 -80.6 -81.1 -81.4 -82.1 -81.6 -80.1 -80.6 -80.8 -81.1	IMPACT 169 AZA 57.4 51.0 52.4 38.2 44.8 56.3 63.4 552.4 54.8 47.1 38.4	ALT 1004.4132 A* 50.97397 50.29186 47.84539 48.87788 50.23990 51.78555 53.82961 52.14090 50.88817 49.16891 47.8453 44.77904 46.27145	LAT7 -5.9  B/A 0.896 0.919 0.991 0.904 0.811 0.861 0.894 0.991 0.969 0.986	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.8 -90.3 -95.8 -90.2 -85.6 -80.9	NO N 424 INCD 66.7 64.0 66.7 67.5 66.7 65.0 61.5 60.1 56.6 59.6 62.8	273 PHAZ 39.9 47.5 53.1 47.7 42.3 42.4 47.8 53.9 53.1 58.6 53.8 548.3	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8 36.5 31.0 27.6 18.9 3.0 6.1 14.5	V 2.183 ALPHA 28-1 15-1 6.6 15-3 224-2 23-0 13-5 4-4 6-1 6-6 -2-2 14-5	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.95372 116.95479 113.39043 105.09261 109.34670 100.71296 92.31832 96.30416	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 112-13 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 11C 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 105 5 -8.868 -21.281 106 6 -12.349 -20.745 106 7 -16.152 -20.074 11 9 -16.138 -27.583 106 10 -12.537 -27.845 103 11 -9.218 -28.058 101 12 -6.686 -31.277 106 13 -6.485 -28.216 100 14 -6.262 -25.025 10.2 15 -6.009 -21.628 105	RANGE AZS/C 058.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 315.91027 -32.9 08.06999 -72.8 25.02670 -82.7	AZN 6.5 6.4 5.2 6.9 8.7 11.0 7.9 4.7 4.0 3.4 1.7 3.1	AZSUN -80.9 -81.2 -80.6 -81.1 -81.4 -83.2 -80.6 -80.8 -81.1 -81.1 -81.1 -81.1 -81.1 -81.1	IMPACT 169 AZA 57.4 51.0 44.8 38.2 44.8 56.3 63.4 56.3 563.4 52.4 847.1 38.4	ALT 1004.4132 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090 50.88817 49.16891 47.84539 44.77904 66.27145 47.92166 49.20365	LAT 7 -5.9 8/A 0.896 0.919 0.991 0.961 0.871 0.861 0.894 0.951 0.969 0.986 0.986 0.986	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -95.8 -95.8 -95.8 -95.6 -85	NO N 424 INCD 68.7 64.0 60.1 63.3 66.7 67.5 68.7 65.0 61.5 60.1 56.6 59.6 66.1	273 PHAZ 39.5 47.5 53.1 42.4 42.4 53.2 52.9 1 53.6 48.8 53.6 48.3	9.869 6MIS 31.3 23.2 10.9 17.2 25.1 29.8 31.0 27.6 18.9 10.9 3.0 14.5 23.2	V 2.183 ALPHA 28.1 15.1 6.6 15.3 24.2 24.2 23.0 13.5 4.4 6.1 6.6 -2.2 6.1 14.5	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043 105.09261 109.34670 100.71296 123.32266 92.31832 96.30416 102.58515	A2 6.336 PT-PT 0-1 1-2 2-3 3-4-5 5-6 7-8 8-9 910-11 11-12 12-13 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 -19.403 11C  2 -12.435 -24.427 105  3 -9.218 -28.058 101  4 -9.049 -24.779 102  5 -8.868 -21.281 106  6 -12.349 -20.765 103  7 -16.152 -20.074 114  8 -16.120 -23.971 107  10 -12.537 -27.845 106  11 -9.218 -28.058 101  12 -6.686 -31.277 10C  13 -6.485 -28.216 101  14 -6.62 -25.025 102  15 -6.009 -21.628 101  16 -5.071 -118 111	RANGE 04.25281 -25.3 58.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 39.50706 -18.6 15.91027 -32.9 05.30067 52.9 08.06589 -72.8 25.02670 -82.7 758.05103 -85.4	AZN 6.5 6.5 3.4 5.2 6.9 8.7 11.0 7.9 4.0 3.4 1.7 3.1 4.4 5.6	AZSUN -80.9 -81.2 -80.6 -81.1 -83.2 -80.6 -80.1 -80.2 -80.6 -80.1 -80.2 -80.1 -81.1 -81.1 -81.1 -81.1 -80.8	IMPACT 169 AZA 571-0 52-4 44-8 244-8 49-8 638-4 56-8 56-8 56-8 56-8 56-8 56-8 56-8 56-8	ALT 1004-4132' A** 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090 60.8881 749.16891 47.84539 44.77904 46.27145 57.92166 49.20365 50.88647	LAT7 -5.9  B/A 0.896 0.919 0.960 0.914 0.861 0.861 0.894 0.951 0.998 0.986 0.984 0.938	AS PHOTO  LO 170 -30.  AZPHAZ -93.2 -85.6 -85.6 -85.9 -95.8 -90.3 -95.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.9	NO N 424 INCD 68.7 64.0 66.7 67.5 66.7 65.0 61.5 60.1 56.6 59.6 62.8 66.8	273 PHAZ 39.9 47.5 53.1 42.1 42.4 43.2 52.9 53.8 53.6 48.3 43.8	9.869 EMIS 23.2 10.9 17.2 25.1 36.5 31.0 27.6 10.9 11.0 27.6 10.9	V 2 .183 AL PHA 28-1 15-1 6.6 6 15-3 24-2 23-0 13-5 46-1 6.6 6-2-1 14-5 23-9	PTH -70.800 11  SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 113.39043 105.09261 109.34670 100.71296 22.31832 96.30416 102.58515 112.14136	A2 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 11-13 13-14 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 11C 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 105 5 -8.868 -21.281 106 6 -12.349 -20.675 105 7 -16.152 -20.074 116 8 -16.120 -22.971 116 9 -16.138 -27.583 106 10 -12.537 -27.845 103 11 -9.218 -28.058 101 12 -6.686 -31.277 106 13 -6.485 -28.216 100 14 -6.262 -25.025 106 15 -6.009 -21.628 103 16 -5.716 -17.918 111 17 -8.671 -17.48 111 17 -8.671 -17.48 111	RANGE AZS/C 058.25281 -25.3 058.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 39.50706 -18.6 15.91027 -32.9 05.30067 22.9 05.30067 22.9 05.30067 -82.7 58.05103 -85.4	AZN 6.5 6.4 5.2 6.9 11.0 7.9 4.7 3.4 1.7 3.4 5.6 6.8	AZSUN -80.9 -81.2 -80.2 -80.1 -80.2 -80.6 -80.1 -80.2 -80.1 -80.2 -80.1 -80.2 -80.8 -81.1 -81.1 -80.8 -81.1 -81.1 -80.8 -81.1 -81.1 -80.8 -81.1 -80.1 -80.1 -80.1 -80.1 -80.1	IMPACT 169 AZA 570 510 44.8 382 44.8 382 453 584 584 584 584 584 584 584 586	ALT 1004.4132' 50.97397 50.29186 47.84539 48.87788 50.23990 50.88817 49.16891 47.84539 44.7794 46.27145 50.88647 50.88647 50.88647 50.88647 50.3756	LAT7 -5.9  B/A 0.896 0.919 0.960 0.914 0.871 0.861 0.894 0.951 0.909 0.908 0.908 0.908 0.908 0.908 0.908 0.908 0.908 0.908 0.908 0.908 0.908 0.908	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -90.3 -95.8 -95.8 -95.8 -96.6 -82.2 -81.6 -82.2 -81.6 -80.0 -79.0 -84.2	NO N 424 INCD 68.7 64.0 66.7 67.5 66.7 66.6 66.1 66.6 66.1 66.1 67.5 66.1 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5	273 PHAZ 39.9 47.5 53.1 42.1 47.8 53.2 53.1 53.8 648.3 43.0 37.8	9.869 EMIS 23.2 10.9 17.2 25.1 36.5 31.0 27.6 18.9 3.0 6.1 14.5 23.2 133.8	V 2.183 ALPHA 28.1 15.1 6.6 15.3 24.2 23.0 13.5 4.1 6.6 -2.2 13.1 33.9 33.3	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043 105.09261 109.34670 100.71296 92.31832 96.30416 102.58515 112.114136 90.61806	A2 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 -19.403 11C  2 -12.435 -24.427 105  3 -9.218 -28.058 101  4 -9.049 -24.779 102  5 -8.868 -21.281 106  6 -12.349 -20.765 103  7 -16.152 -20.074 114  8 -16.120 -23.971 107  10 -12.537 -27.845 106  11 -9.218 -28.058 101  12 -6.686 -31.277 10C  13 -6.485 -28.216 101  14 -6.62 -25.025 102  15 -6.009 -21.628 101  16 -5.716 -17.918 111	RANGE AZS/C 04-25281 -25-3 58-23430 -39-0 15-91027 -32-9 33-37004 -57-3 67-57568 -67-9 94-83813 -52-1 42-97565 -41-0 02-36768 -28-7 81-36218 -12-8 39-50706 -18-6 15-91027 -32-9 05-30067 52-9 08-06949 -72-8 25-02670 -82-7 56-05103 -85-4 21-70088 -73-5 23-02138 -60-4	AZN 6.5 6.5 3.4 5.2 6.9 8.7 11.0 7.9 4.0 3.4 1.7 3.1 4.4 5.6	AZSUN -80.9 -81.2 -80.6 -81.1 -83.2 -80.6 -80.1 -80.2 -80.6 -80.1 -80.2 -80.1 -81.1 -81.1 -81.1 -81.1 -80.8	IMPACT 169 AZA 571-0 52-4 44-8 244-8 49-8 638-4 56-8 56-8 56-8 56-8 56-8 56-8 56-8 56-8	ALT 1004-4132' A** 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090 60.8881 749.16891 47.84539 44.77904 46.27145 57.92166 49.20365 50.88647	LAT7 -5.9  8/A 0.896 0.991 0.960 0.914 0.811 0.861 0.894 0.951 0.969 0.986 0.986 0.986 0.988 0.875 0.805	AS PHOTO  LO 170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.8 -95.8 -95.8 -95.8 -96.8 -96.6 -82.2 -81.6 -80.9 -80.9 -80.9 -80.9	NO N 424 INCD 68.7 660.1 663.3 66.7 665.7 665.0 661.5 660.1 69.8 666.1 69.8 771.5	273 PHAZ 39.9 47.5 53.1 42.1 42.4 43.2 52.9 53.8 53.6 48.3 43.8	9.869 EMIS 31.3 23.2 10.9 17.2 25.1 29.8 36.5 31.0 27.6 18.9 10.9 3.0 6.1 14.5 23.2 33.8 37.7	V 2 .183 AL PHA 28-1 15-1 6.6 6 15-3 24-2 23-0 13-5 46-1 6.6 6-2-1 14-5 23-9	PTH -70.800 11  SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 113.39043 105.09261 109.34670 100.71296 22.31832 96.30416 102.58515 112.14136	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 11-13 13-14 14-15 16-17
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 -19.403 11C  2 -12.435 -24.427 105  3 -9.218 -28.058 107  4 -9.049 -24.779 103  5 -8.868 -21.281 106  6 -12.349 -20.765 105  7 -15.152 -20.074 114  8 -15.120 -23.971 116  9 -16.138 -27.583 106  10 -12.537 -27.845 103  11 -9.218 -28.058 101  12 -6.696 -31.277 106  13 -6.495 -28.216 106  14 -6.262 -25.025 102  15 -6.009 -21.628 11  17 -8.671 -17.446 11  18 -12.280 -16.722 11  19 -16.250 -15.717 122  19 -16.250 -15.717 122  10 -20.814 -14.55 125	RANGE AZS/C 04-25281 -25-3 58.23430 -39-0 15.91027 -32-9 33.37004 -57-3 67.57568 -67-9 94.83813 -52-1 42.97565 -41-0 02.36768 -28.7 81.36218 -12-8 39.50706 -18.6 15.91027 -32-9 05.30067 52-9 08.06949 -72-8 25.02670 -82-7 58.05103 -85-4 10.06174 -86-6 21.70088 -73-5 53.02138 -60-4 07.87254 -99-9 44-55830 -41-9	AZN 6.54 3.42 6.9 8.7 11.0 7.9 4.7 4.0 3.1 4.4 5.6 6.8 8.6 6.8	SEC TO 458 AZSUN -80.9 -81.2 -80.6 -81.1 -82.1 -80.6 -80.1 -81.1 -80.8 -81.1 -81.1 -80.8 -81.1 -81.1 -80.8 -81.1 -81.1 -80.8 -81.1 -81.1 -80.8 -81.1 -81.1 -80.8 -81.1 -	IMPACT 169 AZA 571-0 52-4 44-8 244-4 49-8 56-3 638-4 52-4 54-8 138-4 32-6 32-6 32-6	ALT 1004.4132 A. 50.97397 50.29186 47.884539 48.87788 50.23990 50.88817 49.16891 47.84539 44.77904 46.27145 47.92166 49.20365 50.88647 52.14909 50.88647 50.88647 50.17367 50.17367 50.17367 50.17367 50.17367 50.99071	B/A 0.896 0.919 0.991 0.960 0.914 0.811 0.861 0.894 0.951 0.969 0.986 0.	AS PHOTO  . L0 . T70 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.6 -80.3 -95.8 -95.8 -90.2 -84.8 -90.2 -85.6 -80.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.2	NO N 424 INCD 668.7 668.7 660.1 1668.7 660.7 559.6 60.7 70.5 579.6 62.8 69.8 70.5 577.2 8	273 PHAZ 39.9 47.51 42.1 42.4 47.82 52.9 53.18 53.6 48.3 37.8 37.8 37.8	9.869 EMIS 31.3 23.2 10.9 25.1 25.1 36.5 31.0 27.6 18.9 3.0 14.5 32.1 33.8 743.6	V 2.183 ALPHA 28.1 15.1 6.6 15.3 24.2 23.0 13.5 4.4 6.1 6.2 6.1 14.5 133.3 33.7	PTH -70.800 11  SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 113.39043 105.09261 109.34670 100.71296 123.32266 92.31832 96.30416 102.58515 112.14136 90.61806	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 8-9 9-10 10-11 11-12 11-12 11-13 11-15 11-15 11-15 11-15 11-15 11-15 11-15 11-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -11.189 -19.403 11C 2 -12.435 -24.427 105 3 -9.218 -28.058 101 4 -9.049 -24.779 105 5 -6.868 -21.281 100 6 -12.349 -20.765 105 7 -16.152 -20.074 114 8 -16.120 -23.971 11C 9 -16.138 -27.583 106 10 -12.537 -27.845 103 11 -9.218 -28.058 101 12 -6.866 -31.277 100 13 -6.485 -28.216 100 14 -6.20 -25.025 102 15 -6.009 -21.628 109 16 -5.716 -17.918 111 17 -8.671 -17.446 112 18 -12.280 -16.722 119 9 -16.250 -15.171 120 -20.814 -14.255 122 21 -20.465 -9.110 121	RANGE 04.25281 -25.3 68.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 39.50706 -18.6 15.91027 -32.9 05.30067 52.9 08.06989 -72.8 25.02670 -82.7 758.05103 -85.4 10.06174 -86.6 21.70088 -73.5 53.02138 -00.4 07.87254 -49.9 94.55830 -1.9 18.08664 -33.3	AZN 6.5 6.4 3.4 5.2 6.9 8.7 7.9 4.7 3.4 4.0 3.4 5.6 6.8 8.6 11.0 14.2 18.6	AZSUN -80.9 -81.2 -80.6 -81.4 -82.1 -81.4 -82.1 -81.1 -81.1 -81.1 -81.1 -81.1 -81.1 -81.1 -81.1 -81.1 -81.1 -85.1 -88.1 -85.1 -85.1 -85.1 -85.1 -85.1	IMPACT 1169 A7.4 57.4 51.0 52.4 838.2 44.8 563.4 49.8 563.4 582.4 49.8 32.0 63.4 54.8 38.0 63.4 64.8 63.4 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64	ALT 1004-4132: 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 52.14090 50.88817 49.16891 47.84539 44.77904 46.27145 57.92166 49.20365 50.88647 50.88647 50.88647 50.86647 50.3756 53.77817 56.12350 59.39071 56.59775	LAT7 -5.9  8/A 0.896 0.919 0.991 0.960 0.914 0.811 0.861 0.894 0.951 0.969 0.984 0.938 0.938 0.875 0.850 0.805 0.805 0.740	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -95.3 -95.8 -95.6 -82.2 -81.6 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.2 -90.3 -96.4 -102.3 -96.4 -102.3 -101.2	NO N 424 INCD 68-7 66-66-7 66-66-7 66-66-7 76-66-66-7 72-8 66-1 772-8 772-8 770-7 72-8 770-7 72-7 72-7 72-7 72-7 72-7 72-7 72-	273 PHAZ 39.95 53.1 42.1 42.8 53.2 42.1 447.8 53.8 63.8 43.8 43.8 43.8 43.8 43.8 43.8 43.8 4	9.869 6MIS 323.2 107.2 125.8 31.0 225.8 31.0 216.9 10.0 1	V 2.183 ALPHA 28.11 6.6 15.12 24.2 24.2 23.0 13.5 4.4 6.6 -2.2 13.5 4.1 14.5 23.1 33.3 33.3 33.3 32.9 30.7	PTH -70.800 11  SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 113.39043 105.09261 109.34670 100.71296 22.31832 96.30416 102.58515 112.14136 90.61806 111.43233 123.79543 144.47046	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 - 19.403 11C 2 -12.435 - 24.427 105 3 -9.218 - 28.058 101 4 -9.049 - 24.779 105 5 -8.868 - 21.281 106 6 -12.349 - 20.765 105 7 -16.152 - 20.074 114 8 -16.120 - 23.971 116 9 -16.138 - 27.583 106 10 -12.537 - 27.845 103 11 -9.218 - 28.058 101 12 - 6.686 - 31.277 106 13 - 6.485 - 28.216 106 14 - 6.262 - 25.025 106 15 - 5.009 - 21.628 109 16 - 5.716 - 17.918 11 17 - 8.671 - 17.446 11 18 -12.280 - 16.722 115 19 -16.250 - 15.717 12C 20 - 20.814 - 41.255 125 21 - 20.465 - 19.110 12 22 - 20.266 - 23.588 11	RANGE	AZN 6.5 6.4 5.2 6.9 8.7 11.0 7.9 4.7 4.0 3.4 5.6 6.8 8.6 6.8 11.0 14.2 18.6	SEC TO 458 AZSUN 9-81-2-80-6-80-1-81-1-81-4-82-1-80-6-80-1-81-1-80-8-80-1-81-1-80-8-81-1-85-1-85	IMPACT 1169 A7.4 51.0 52.4 38.4 49.8 34.4 49.8 56.3 638.4 456.3 52.4 52.4 38.4 52.6 53.6 44.9 76.6 38.4 63.6 63.6 63.6 63.6 63.6 63.6 63.6 63	ALT 1004.4132 A* 50.97397 50.29186 47.84539 48.87788 50.23990 50.88817 47.84539 44.77904 46.27145 47.92166 49.20365 50.88647 52.0365 50.88647 50.88647 50.9775 54.00376	LAT7 -5.9  B/A 0.896 0.919 0.991 0.904 0.871 0.861 0.894 0.951 0.999 0.986 0.875 0.850 0.865 0.740 0.650 0.728 0.728	AS PHOTO  LO 1770 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -95.8 -95.8 -95.8 -95.8 -95.8 -96.6 -80.9 -81.6 -80.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.0 -79.0 -84.0 -79.0	NO N 424 INCD 68.7 64.0 60.1 660.7 660.7 660.7 660.7 660.7 70.5 772.8 774.7 766.2	273 PHAZ 95 37.53.17 42.14 42.48 53.91 42.48 53.91 43.86 43.83 43.83 43.83 43.84 43.84 43.84 43.84	9.869 631.3 23.2 10.9 225.1 225.1 236.5 31.0 225.1 31.0 31.0 31.3 225.1 31.0	V 2.183  ALPHA 28-1 15-1 6-6 3 24-2 23-0 13-5 4-6 1 6-6 2 14-5 23-1 31-9 33-7 33-7 30-7 20-5	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043 105.09261 109.34670 100.71296 92.31832 96.30416 102.58515 112.14136 90.61806 111.43233 123.79543 124.47046 138.01238	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-15 11-15 11-17 11-18 11-18 11-18 11-18 11-18 11-18 11-18 11-18 11-18 11-18 11-18
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 -19.403 11C  2 -12.435 -24.427 105  3 -9.218 -28.058 101  4 -9.049 -24.779 102  5 -8.868 -21.281 106  6 -12.349 -20.765 103  7 -16.152 -20.074 114  8 -16.120 -23.971 11C  9 -16.138 -27.893 106  10 -12.537 -27.845 103  11 -9.218 -28.058 101  12 -6.686 -31.277 10C  13 -6.485 -28.216 10C  14 -6.62 -25.25 102  15 -6.009 -21.628 103  16 -5.716 -17.918 111  17 -8.671 -17.446 112  18 -12.200 -16.722 115  19 -16.250 -15.717 12C  20 -20.814 -14.255 121  21 -20.465 -9.110 121  22 -20.266 -23.558 117  23 -20.171 -27.49 114	RANGE 04.25281 -25.3 68.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 39.50706 -18.6 15.91027 -32.9 05.30067 52.9 06.06589 -72.8 25.02670 -82.7 758.05103 -85.4 10.06174 -86.6 07.87254 -49.9 94.55830 -41.9 18.08664 -33.3 70.76486 -22.5 45.89165 -9.8	AZN 6.5 6.4 5.2 6.9 8.7 11.0 7.9 4.0 3.4 4.0 6.8 8.6 6.8 8.6 6.8 11.0 14.2 18.6 14.3	SEC TO 450 AZSUN 9-81.2 -80.6 -81.1 -81.2 -80.6 -80.1 -81.1 -81.7 -80.2 -80.6 -80.8 -81.1 -81.7 -83.1 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8 -81.7 -83.1 -81.8	IMPACT 1169 A7.4 571.0 52.48 38.2 44.8 563.4 49.8 563.4 49.8 363.4 44.8 326.5 547.8 326.5 44.9 48.9 48.9 48.0 67.0	ALT 1004-4132' 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090 50.88817 49.16891 47.92166 49.20365 50.88647 52.03756 50.88647 52.03756 50.86647 52.03756 53.603766	B/A 0.896 0.919 0.991 0.961 0.961 0.861 0.861 0.861 0.894 0.951 0.991 0.969 0.984 0.984 0.985 0.875 0.850 0.650 0.728 0.728	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -94.8 -90.2 -81.6 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -101.2 -100.2	NO N 424 INCD 68.7 64.0 1 668.7 667.5 660.1 660.1 660.1 660.7 71.5 662.8 66.1 670.5 71.5 662.6 662.8 660.1 670.5 662.8 660.1 670.5 662.8 660.1 670.5 662.8 660.1 670.5 662.8 660.1 670.5 662.8 660.1 670.5 662.8 660.1 670.5 662.8 660.1 670.5 662.8 660.1 670.5 662.8 660.1 670.5 670.8 6	273 PHA 295 537.17 537.13 422.14 423.14 473.29 186.63 337.17 337.17 337.11 433.57 433.57	9.869 631.32 10.92 117.21 23.6.50 218.99 31.6.99 31.6.99 31.6.52 32.18 33.76 51.6.53 33.76 51.6.79	V 2 .183 ALPHA 1 28-1 15-1 6-6 22-2 23-0 5 4-4 6-1 6-5 231-9 33-3 7 32-9 7 320-2 10-5 21-5	PTH -70.800 11  SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.95372 116.95479 113.39043 105.09261 109.34670 100.71296 92.31832 96.30416 102.58515 112.14136 90.61806 11.43233 123.79543 144.47046 138.01238 120.78934	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 11-12 11-12 11-15 16-17 11-18 11-16 16-17 11-18 11-19 20-21 21-22 22-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 - 19.403 11C 2 -12.435 - 24.427 105 3 -9.218 - 28.058 101 4 -9.049 - 24.779 105 5 -8.868 - 21.281 106 6 -12.349 - 20.765 106 7 -16.152 - 20.074 116 8 -16.120 - 22.971 116 9 -16.138 - 27.583 108 10 -12.537 - 27.845 101 11 -9.218 - 28.058 101 12 -6.686 - 31.277 106 13 -6.485 - 28.216 100 14 -6.262 - 25.025 102 15 -6.009 - 21.628 109 16 -5.716 - 17.918 11 17 -8.671 - 17.446 11 18 -12.280 - 16.722 11 19 -16.250 - 15.717 12 20 - 20.814 - 14.255 12 21 - 20.465 - 19.110 12 22 - 20.266 - 23.358 11 23 - 20.171 - 27.249 114 24 - 20.159 - 3.03 21	RANGE AZS/C 058.25281 -25.3 058.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 39.50706 -18.6 15.91027 -32.9 05.30067 05.9 08.06989 -72.8 25.02670 -82.7 58.05103 -85.4 10.06174 -86.6 21.70088 -73.5 53.02138 -60.4 07.87254 -49.9 94.55830 -41.9 94.55830 -41.9 94.55830 -41.9 18.08664 -33.3 70.76866 -22.5 45.89165 -9.8	AZN 6.5 6.4 5.2 6.9 8.7 11.0 7.9 4.7 4.0 3.4 4.5 6.8 8.6 6.1 1.0 14.2 18.6 14.3 10.0 5.8	SEC TO A SUN 9 -81.2 -80.6 -81.1 -81.4 -82.2 -80.6 -80.1 -81.1 -81.1 -80.8 -80.1 -81.1 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.4 -80.4 -80.4 -80.4 -78.4	IMPACT 1169 AZ A 4 51-0 44-8 38-2 44-8 38-2 44-8 38-4 52-4 38-0 52-6 38-0 638-4 52-6 38-0 638-6 6 638-6 6 638-6 638-6 638-6 638-6 638-6 638-6 6 638-6 638-6 638-6 638-6 6 638-6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	ALT 1004.4132' 50.97397 50.29186 47.84539 48.87788 50.23990 50.88817 49.16891 47.84539 44.7792166 47.92166 47.92166 50.88647 72.03755 50.3756 53.77817 56.12365 59.7755 54.00376 53.15649 53.15649 53.15649 53.15649 53.15649 53.15649	LAT7 -5.9 8/A 0.896 0.919 0.990 0.991 0.960 0.914 0.861 0.894 0.951 0.991 0.968 0.986 0.988 0.875 0.850 0.850 0.740 0.650 0.740 0.650 0.850 0.850 0.850 0.850	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -90.3 -95.8 -95.8 -95.8 -95.6 -82	NO N 424 INCD 764.0 (68.7 64.0 (66.3 766.6 66.7 566.7 76.6 66.1 771.8 770.2 66.6 66.1 771.8 770.2 662.6 62.8 62.8 62.8 62.8 62.8 62.8 6	273 PHAZ 347.5 547.7 42.3 42.1 47.8 52.9 553.8 43.0 337.1 38.6 343.0 343.0 343.0 343.0 343.0 343.0 343.0 343.0	9 • 8 6 9 EMIS 3 220 • 9 2 117 • 18 5 127 • 18 5 127 • 18 5 123 2 • 18 9 123 2 • 18 9 124 2 9 • 18 9 124 2 9 • 18 9 125 2 9 • 18 9 127 • 6 • 18 9 128 2 9 9 128 2 9	V 2.183  ALPHA 28-1 15-1 6.63 24-2 23.0 13.54 6.1 6.62 14.5 23.1 33.7 9 33.3 33.7 9 30.7 20.5 1.2 8	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043 105.09261 109.34670 100.71296 92.31832 96.30416 102.58515 112.14136 90.61806 111.43233 123.79543 144.47046 138.01238 120.78934 110.61639	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 5-6 7-8 9-10 10-11 11-12 12-13 11-15 15-16 15-16 15-17 17-18 18-19 19-20 21-22 22-23 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 -19.403 11C  2 -12.435 -24.427 105  3 -9.218 -28.058 101  4 -9.049 -24.779 103  5 -8.868 -21.281 00  6 -12.349 -20.765 105  7 -16.152 -20.074 114  8 -16.120 -23.971 116  10 -12.537 -27.845 103  11 -9.218 -28.058 101  12 -6.686 -31.277 106  13 -6.485 -28.216 100  14 -6.262 -25.025 102  15 -6.009 -21.628 101  16 -5.716 -17.918 111  17 -8.671 -17.446 112  18 -12.200 -16.722 112  19 -16.250 -15.717 120  20 -20.814 -14.255 123  21 -20.465 -19.110 121  22 -20.266 -23.358 111  23 -20.171 -27.249 114  24 -20.159 -30.332 112  25 -16.197 -31.023 103	RANGE	AZN 6.5 6.4 5.2 6.9 8.7 11-0 3.4 1.7 4.7 4.7 4.7 4.0 14.4 5.6 6.8 8.1 10.0 14.2 18.6 14.3 10.8	SEC TO AZSUN 9 -81.2 -80.6 -81.1 -81.2 -81.6 -80.2 -80.6 -80.2 -80.6 -80.2 -80.6 -80.2 -80.6 -80.8 -81.1 -81.7 -85.1 -81.7 -85.1 -81.7 -85.1 -81.7 -85.1 -81.7 -85.1 -81.7 -85.1 -81.7 -85.1 -81.7 -85.1 -81.7 -85.1 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.7 -81.4 -78	IMPACT 1.169 AZA40 57.04 44.8 44.8 44.8 456.3 638.4 456.3 456.3 44.1 326.5 44.1 326.5 44.0 63.5 44.0 63.5 44.0 63.5 63.5 63.5 63.6 63.6 63.6 63.6 63.6	ALT 1004-4132' 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 53.82961 52.14090 54.477904 46.27145 57.92166 49.20365 50.88647 52.03756 50.86647 52.12564 53.1756.59775 54.00376 54.00376 52.12564 49.97825	LAT7 -5.9  8/A 0.896 0.919 0.991 0.960 0.914 0.811 0.861 0.894 0.951 0.969 0.986 0.988 0.875 0.855 0.400 0.728 0.728 0.738 0.813	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -90.3 -95.8 -90.2 -81.6 -82.2 -81.6 -80.0 -79.0 -84.2 -90.3 -90.4 -102.3 -101.2 -100.2 -99.4 -98.7	NO N 424 INCD 68.7 664.0 663.3 7667.5 665.7 665.7 71.5 677.1 566.2 666.1 677.5 662.6 666.1 670.5 670.8 774.7 706.2 670.2 774.7 706.2 670.2 774.7 706.2 670.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 706.2 774.7 774.7 774.7 774.7 774.7 774.7 774.7 774.7 774.7 774.7 774.7 774.7 774.7 774.7	273 39-9 53-1 42-1 42-3 42-1 47-8 53-6 53-6 53-6 43-0 37-8 37-8 37-1 36-7 37-1 38-7 58-9 58-9	9.869  EMIS 31.3 223.2 117.2 225.1 36.5 31.0 6.1 14.5 232.1 33.8 36.7 43.6 434.6 434.6 434.6 434.6 434.6	V 2 .183 AL PHA 1 15.16 15.32 24.22 23.05 4.41 6.66 -2.11 14.51 231.9 333.7 20.25 210.2 210.2 210.2	PTH -70.800 11  SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043 105.09241 109.34670 100.71296 20.31832 23.32266 92.31832 96.30416 102.58515 112.14136 90.61806 111.43233 123.79543 144.4704 138.01238 120.78934 140.61639 104.71254	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 10-11 11-12 11-13 11-13 11-14 11-13 11-14 11-17 11-18 11-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 -19.403 11C  2 -12.435 -24.427 105  3 -9.218 -28.058 101  4 -9.049 -24.779 103  5 -8.868 -21.281 00  6 -12.349 -20.765 105  7 -16.152 -20.074 114  8 -16.120 -23.971 116  10 -12.537 -27.845 103  11 -9.218 -28.058 101  12 -6.686 -31.277 106  13 -6.485 -28.216 100  14 -6.262 -25.025 102  15 -6.009 -21.628 101  16 -5.716 -17.918 111  17 -8.671 -17.446 112  18 -12.200 -16.722 112  19 -16.250 -15.717 120  20 -20.814 -14.255 123  21 -20.465 -19.110 121  22 -20.266 -23.358 111  23 -20.171 -27.249 114  24 -20.159 -30.332 112  25 -16.197 -31.023 103	RANGE AZS/C 058.25281 -25.3 058.23430 -39.0 15.91027 -32.9 33.37004 -57.3 67.57568 -67.9 94.83813 -52.1 42.97565 -41.0 02.36768 -28.7 81.36218 -12.8 39.50706 -18.6 15.91027 -32.9 08.06999 -72.8 25.02670 -82.7 58.05103 -85.4 10.06174 -86.6 21.70088 -73.5 53.02138 -60.4 07.87254 -49.9 94.55830 -41.9 18.08664 -33.3 70.76486 -22.5 45.89165 -9.8 39.86620 4.0 77.22678 5.3	AZN 6.5 6.4 5.2 6.9 8.7 11.0 7.9 4.7 4.0 3.4 4.5 6.8 8.6 6.1 1.0 14.2 18.6 14.3 10.0 5.8	SEC TO A SUN 9 -81.2 -80.6 -81.1 -81.4 -82.2 -80.6 -80.1 -81.1 -81.1 -80.8 -80.1 -81.1 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.4 -80.4 -80.4 -80.4 -78.4	IMPACT 1169 AZ A 4 51-0 44-8 38-2 44-8 38-2 44-8 38-4 52-4 38-0 52-6 38-0 638-4 52-6 38-0 638-6 6 638-6 6 638-6 638-6 638-6 638-6 638-6 638-6 6 638-6 638-6 638-6 638-6 6 638-6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	ALT 1004.4132' 50.97397 50.29186 47.84539 48.87788 50.23990 50.88817 49.16891 47.84539 44.7792166 47.92166 47.92166 50.88647 72.03755 50.3756 53.77817 56.12365 59.7755 54.00376 53.15649 53.15649 53.15649 53.15649 53.15649 53.15649	LAT7 -5.9 8/A 0.896 0.919 0.991 0.960 0.914 0.871 0.861 0.894 0.951 0.992 0.986 0.986 0.986 0.875 0.850 0.805 0.740 0.650 0.728 0.783 0.817 0.912 0.969	AS PHOTO  170 -30.  AZPHAZ -93.5 -90.2 -85.6 -95.3 -95.8 -95.8 -95.8 -95.6 -82.2 -81.6 -80.9 -95.4 -102.2 -100.2 -99.4 -102.3 -101.2 -100.2 -99.4 -99.5 -99.	NO N 424 INCD 668.7 664.0 1 668.7 667.5 668.7 7 668.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PHAZ 39.9 47.5 53.1 42.4 47.8 42.4 47.8 43.0 37.1 38.1 43.0 37.1 38.1 48.5 58.6 88.5 58.6 88.5 58.6 88.5 58.6 88.5 58.6 88.5 58.6 88.6	9.869  EMIS 31.3 223.2 117.2 225.1 36.5 31.0 6.1 14.5 232.1 33.8 36.7 43.6 434.6 434.6 434.6 434.6 434.6	V 2.183  ALPHA 28-1 15-1 6.63 24-2 23.0 13.54 6.1 6.62 14.5 23.1 33.7 9 33.3 33.7 9 30.7 20.5 1.2 8	PTH -70.800 11 SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043 105.09261 109.34670 100.71296 92.31832 96.30416 102.58515 112.14136 90.61806 111.43233 123.79543 144.47046 138.01238 120.78934 110.61639	AZ 6.336 PT-PT 0-1 1-2 2-3 3-4 5-6 7-8 9-10 10-11 11-12 12-13 11-12 12-13 11-15 11-18 11-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -11.189 - 19.403 11C 2 -12.435 - 24.427 105 3 -9.218 - 28.058 101 4 -9.049 - 24.779 105 5 -8.868 -21.281 106 6 -12.349 - 20.675 105 7 -16.152 - 20.074 116 9 -16.138 - 27.583 106 10 -12.537 - 27.845 106 11 -9.218 - 28.058 101 12 -6.686 - 31.277 106 13 -6.485 - 28.216 100 14 -6.262 - 25.025 106 15 -6.009 - 21.628 109 16 -5.716 - 17.918 117 17 -8.671 - 17.446 111 18 -12.280 - 16.722 119 19 -16.250 - 15.71 12 20 -20.814 - 14.255 12 21 -20.465 - 19.110 12 22 -20.666 - 23.358 117 23 -20.171 - 27.249 114 24 -20.159 - 30.932 113 25 -16.197 - 31.023 103 26 -12.651 - 31.112 105	RANGE	AZN 6.5 6.4 5.2 6.9 8.7 11.0 1.7 3.4 4.0 1.7 3.4 1.6 6.8 8.6 6.8 14.2 18.6 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	SEC TO A SUN 9 -81.2 -80.6 -81.1 -81.2 -80.2 -80.6 -80.1 -81.1 -80.2 -80.6 -80.1 -81.1 -80.8 -80.2 -80.8 -81.1 -85.0 -80.8 -80.2 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.4 -78.6 -80.4 -78.6 -79.6	IMPACT 169 AZA4051-04 51-04 440-82 440-82 440-83 638-4 450-82 480-97 6067-92 677-96 677-96 671-98	ALT 1004.4132' 50.97397 50.29186 47.84539 48.87788 50.23990 51.78545 52.14090 52.14090 52.14090 44.7792166 47.92166 49.20365 50.88647 72.03756 53.77817 56.12350 59.39071 56.12350 59.39071 56.9775 54.60376 53.15649 92.12584 49.97825 48.34299	LAT 7 -5.9 8.896 0.919 0.996 0.916 0.816 0.894 0.951 0.894 0.951 0.969 0.986 0.986 0.985 0.805 0	AS PHOTO  LO 170 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -90.4 -102.3 -101.2 -100.2 -90.3 -101.2 -90.3 -90.4 -98.7 -90.5 -90.2	NO N 424 INCO 7.664.0 1 684.0 1 664.0 1 664.0 1 665.5 7 660.1 670.5 660.1 670.5 671.5 8774.7 7 666.2 626.3 3 655.5 660.1 670.5 670.2	273 PHAZ 39.9 47.5 53.1 42.4 42.4 42.4 43.0 37.8 37.8 37.8 37.8 37.1 343.2 43.2 53.7 58.6 58.5 58.6 58.6	9.869  EMIS 31.3 23.2 10.9 17.2 29.8 36.5 27.6 18.9 10.9 3.0 6.1 10.9 3.0 6.1 44.6 336.7 336.1 248.8	V 2 .183 ALPHA 1 15.1 6.6 6 15.3 224.2 23.5 5 6.6 6.6 2 13.5 33.7 9 30.7 210.5 2 -7.8 4.4 6.6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PTH -70.800 11  SCALE 0. 153.66735 145.47573 98.19571 104.80024 106.55372 116.95479 113.39043 105.09261 109.34670 100.71296 92.31832 96.30416 102.58515 112.14136 90.61806 111.43233 123.79543 144.47046 138.01238 120.78934 110.61639 104.71254 120.03767	AL 6.336 PT-PT 1 1-23 3-45 5-67 7-88 8-9-10 10-11 11-12 12-13 113-14 14-15 16-17 17-18 18-19 12-12 12-13 12-22 22-23 22-23 22-25 22-27

		RA-VII CAMERA	\ FA			20
		TAB NO	111	ATLAS PHOTO NO	111 6	POD SEQUENCE NO 228
JULY 31,1964 13 HR 18 MIN 15 S	EC 750 MS			ATEAS THOTO NO		OD SEQUENCE NO 220
TRAJECTORY DATA		SEC TO IMPACT 453.049	ALT	LAT LON	R	V PTH AZ
PHOTO DATA		453.049	443-82010	-6.005 -30.354	2729.305 2	.187 -70.751 116.327
		AZSUN AZA	A+	B/A AZPHAZ INCO		
	-25.4 6.5 -39.2 6.4	-81.0 57.2 -81.2 50.8	50.44979 49.77669		40.0 31.2 2 47.5 23.2 1	
	-33.2 3.5	-80.6 52.3	47.35006		53.1 10.9	6.7 144.00968 2- 3
	-57.3 5.2	-81-1 44.7	48.37689	0.960 -85.2 63.3	47.7 17.2 1	5.3 97.20295 3- 4
5 -8.889 -21.266 1056.68817	-67.9 6.9	-81.4 38.2	49.72746			4.2 103.74583 4- 5
	-52.2 8.7 -41.1 11.0	-82.1 44.4 -83.2 49.8	51.25745 53.27646			4.2 105.46737 5- 6 3.0 115.72033 6- 7
7 -16.098 -20.073 1131.23007 8 -16.066 -23.929 1091.00087	-41.1 11.0 -28.9 7.9	-81.7 56.1	51.60321			3.6 112.23689 7-8
9 -16.083 -27.503 1070:09851	13.0 4.7	-80.2 63.1	50.35805			4.5 104.02613 8- 9
10 -12.520 -27.763 1028.74829	-18.9 4.0	-80.3 58.2	48.66004		52.9 18.9	6.2 108.18403 9-10
11 -9.236 -27.975 1005.39268	-33.2 3.5	-80.6 52.3	47.35006			6.7 99.67094 10-11 2.1 122.05045 11-12
	50.8 1.7 -72.6 3.1	-80.8 54.6 -81.0 47.0	44.30455 45.79773			-2.1 122.05045 11-12 6.1 91.35581 12-13
13 -6.531 -28.132 997.58642 14 -6.310 -24.972 1014.46990		-61.1 38.5	47.42795			4.5 95.32526 13-14
15 -6.060 -21.610 1047.20584	-85.3 5.7	-81.0 32.1	48.69908	0.938 -80.0 66.2	43.0 23.2 2	
16 -5.770 -17.937 1098.66316	-86.5 6.8	-80.7 26.7	50.36373		37.9 32.1 3	
17 -8.695 -17.470 1110.23927	-73.5 8.6	-81.7 32.5	51.50582			33.3 89.69680 16-17 33.7 110.28948 [7-18
18 -12.267 -16.754 1141.22766	-60.4 11.0 -50.0 14.1	-83.1 38.6 -85.1 44.0	53.22823	0.741 -96.4 72.6	36.8 37.7 3	
19 -16.195 -15.763 1195.38188 -20 -20.706 -14.326 1280.79340	-42.0 18.5	-88.0 48.9		0.652 -102.3 74.7		
21 -20.363 -19.123 1205.31123	-33.4 14.2	-85.0 54.6	56.00404	0.730 -101.2 70.2	43.3 44.5	20.2 136.45330 20-21
22 -20.165 -23.324 1158.48299	-22.6 10.0	-82.6 60.7		0.784 -100.2 66.2		
	-9.9 5.8	-80.5 67.4			7 53.8 36.8 3 58.9 36.0 -	1.3 109.47534 22-23 -7.6 103.60616 23-24
24 -20.056 -30.813 1127.60281 25 -16.140 -30.907 1065.82860	3.8 1.5 5.1 1.5	-78.5 74.6 -78.7 70.8	51.56490		58.5 26.8	
26 -12.633 -30.996 1025.49214	7.5 1.6	-79.2 66.5	47.83510		7 58.3 18.0	
27 -9.396 -31.085 1002.54045	14.1 1.6	-80.0 59.2	46.19599			-1.8 98.06500 26-27
28 -6.730 -31.161 994.69872	50.8 1.7	-80.8 54.6	44.30455	0.969 -82.2 56.8	3 58.8 3.0 -	-2.1 80.80368 27-28
28 -6.730 -31.161 994.69872	50.8 1.7					
		-80.8 54.6 TAB NO	44.30455	0.969 -82.2 56.6 ATLAS PHOTO NO		-2.1 80.80368 27-28 POD SEQUENCE NO 230
JULY 31,1964 13 HR L8 MIN 20 S		TAB NO	112	ATLAS PHOTO NO	112	POD SEQUENCE NO 230
			112 ALT		112 R	
JULY 31,1964 13 HR L8 MIN 20 S TRAJECTORY DATA PHOTO DATA	EC 870 MS	TAB NO SEC TO IMPACT 447-930	112 ALT 983.27493	ATLAS PHOTO NO  LAT LON 6 -6.039 -30.284	112 R 2718-730	POD SEQUENCE NO 230  V PTH AZ 2.190 -70.701 116.317
JULY 31,1964 13 HR L8 MIN 20 S TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	EC 870 MS	TAB NO SEC TO IMPACT 447-930 AZSUN AZA	ALT 983.27493	ATLAS PHOTO NO  LAT LON 1 -6.039 -30.284  B/A AZPHAZ INC	R 2718.730 2	POD SEQUENCE NO 230  V PTH AZ 2.190 -70.701 116.317 LPHA SCALE PT-PT
JULY 31,1964 13 HR 18 MIN 20 S TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE 1 -11.171 -19.440 1081.22168	EC 870 MS  AZS/C AZN -25.6 6.5	TAB NO SEC TO IMPACT 447.930  AZSUN AZA -81.0 57.0	ALT 983.27493 A* 49.92470	ATLAS PHOTO NO  LAT LON 1 -6.039 -30.284  B/A AZPHAZ INCC 0.896 -93.5 68.	R 2718.730 (	V PTH AZ 2.190 -70.701 116.317 LPHA SCALE PT-PT 28.0 0. 0 1
JULY 31,1964 13 HR 18 MIN 20 S  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.171 -19.440 1081.22168 2 -12.405 -24.333 1036.53389	AZS/C AZN -25.6 6.5 -39.3 6.4	TAB NO SEC TO IMPACT 447.930  AZSUN AZA -81.0 57.0 781.2 50.7	ALT 983.27493 A= 49.92470 49.26056	ATLAS PHOTO NO  LAT LON 0 -6.039 -30.284  B/A AZPHAZ INC 0.896 -93.5 68. 0.919 -90.2 64.	R 2718.730 : D PHAZ EMIS AI 7 40.0 31.2 : 1 47.5 23.3	POD SEQUENCE NO 230  V PTH AZ 2.190 -70.701 116.317  LPHA SCALE PT-PT 28.0 0. 0- 1 15.1 149.81728 1- 2 6.7 142.24009 2- 3
JULY 31,1964 13 HR 18 MIN 20 S TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.171 -19.440 1081.22168 2 -12.405 -24.333 1036.53389 3 -9.254 -27.892 994.86047	AZS/C AZN -25.6 6.5 -39.3 6.4 -33.5 3.5	TAB NO SEC TO IMPACT 447.930  AZSUN AZA -81.0 57.0	ALT 983.27493 A= 49.92470 49.26056	ATLAS PHOTO NO  LAT LON 5 -6.039 -30.284  B/A AZPHAZ INC. 0.896 -93.5 68. 0.919 -90.2 64. 0.991 -85.6 60. 0.995 -85.2 63.	R 2718.730 2 27 PHAZ EMIS AI 7 40.0 31.2 2 1 47.5 23.3 2 53.1 11.0 4 47.7 17.2	POD SEQUENCE NO 230  V PTH AZ 2.190 -70.701 116.317  PHA SCALE PT-PT 28.0 0. 0-1 15.1 149.81728 1-2 6.7 142.54009 2-3 15.4 96.20802 3-4
JULY 31,1964 13 HR 18 MIN 20 S TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.171 -19.440 1081.22168 2 -12.405 -24.333 1036.53389 3 -9.254 -27.892 994.86047 4 -9.088 -24.679 1012.16943 5 -8.911 -21.251 1045.77797	AZS/C AZN -25.6 6.5 -39.3 6.4 +33.5 3.5 -57.3 5.2	TAB NO SEC TO IMPACT 447-930  AZSUN AZA -81.0 57.0 -81.2 50.7 -80.6 52.1 -81.1 44.6 -81.4 38.2	ALT 983.27493 A* 49.92470 49.26056 46.85405 47.87501 49.21397	ATLAS PHOTO NO  LAT LON 1 -6.039 -30.284  B/A AZPHAZ INCI 0.896 -93.5 68. 0.919 -90.2 64. 0.991 -85.6 60. 0.959 -85.2 63. 0.959 -85.2 63.	R 2718.730 ; D PHAZ EMIS AI 7 40.0 31.2 ; 1 47.5 23.3 ; 2 53.1 11.0 ; 4 47.7 17.2 ; 7 42.4 25.1 ;	V PTH AZ 2.190 -70.701 116.317 LPHA SCALE PT-PT 28.0 0. 0-1 15.1 149.81728 1-2 6.7 142.54009 2-3 15.4 96.20802 3-4 24.2 102.68833 4-5
JULY 31,1964 13 HR L8 MIN 20 S  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.171 -19.440 1081.22168 2 -12.405 -24.333 1036.53389 3 -9.254 -27.892 994.86047 4 -9.088 -24.679 1012.16943 5 -8.911 -21.251 1045.77797 6 -12.321 -20.746 1072.48727	AZS/C AZN -25.6 6.5 -39.3 6.4 -33.5 3.5 -57.3 5.2 -67.9 6.9	TAB NO SEC TO IMPACT 447.930  AZSUN AZA -81.0 57.0 -81.2 50.7 -80.6 52.1 44.3 44.6 -81.4 48.2 -82.1 44.3	ALT 983.27493 A. 49.92470 49.26056 46.85405 47.87501 49.21397 50.72831	ATLAS PHOTO NO  LAT LON 1 -6.039 -30.284  B -93.5 68. 0.919 -90.2 64. 0.991 -85.6 60. 0.959 -85.2 63. 0.913 -84.8 66. 0.911 -89.3 66.	R 2718.730 7 27 PHAZ EMIS AI 7 40.0 31.2 7 147.5 23.3 2 2 53.1 11.0 4 47.7 17.2 7 42.4 25.1	V PTH AZ 2.190 -70.701 116.317 LPHA SCALE PT-PT 28.0 0. 0- 1 15.1 149.81728 1- 2 6.7 142.54009 2- 3 15.4 96.20802 3- 4 24.2 102.68833 4- 5 24.3 104.37847 5- 6
JULY 31,1964 13 HR 18 MIN 20 S  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.171 -19.440 1081.22168 2 -12.405 -24.333 1036.53389 3 -9.254 -27.892 994.86047 4 -9.086 -24.679 1012.16943 5 -8.911 -21.251 1045.77797 6 -12.321 -20.746 1072.48727 7 -16.094 -24.072 1119.46031	AZS/C AZN -25.6 6.5 -39.3 6.4 -39.5 3.5 -57.3 5.2 -67.9 6.9 -52.2 8.7	TAB NO SEC TO IMPACT 447-930  AZSUN AZA -81.0 57.0 -81.2 50.7 -80.6 52.1 -81.1 44.6 -81.4 38.2 -82.1 44.3 -83.3 49.7	ALT 983.27493 A= 49.92470 49.26056 46.85405 47.87501 49.21397 50.72831 52.72217	ATLAS PHOTO NO  LAT LON 3 -6.039 -30.284  B/A AZPHAZ INC. 0.896 -93.5 68. 0.919 -90.2 64. 0.991 -85.6 60. 0.993 -85.2 63. 0.913 -84.8 66. 0.871 -90.3 67. 0.812 -95.8 68.	R 2718.730 ( ) PHAZ EMIS AI 1 47.5 23.3 2 53.1 11.0 4 47.7 17.2 7 42.4 25.1 6 42.1 29.8	V PTH AZ 2.190 -70.701 116.317 LPHA SCALE PT-PT 8.0 0. 0-1 15.1 149.81728 1-2 6.7 142.54009 2-3 15.4 96.20802 3-4 24.2 102.88833 4-5 24.3 104.37847 5-6 23.0 114.88388 6-7
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JULY 31,1964 13 HR 18 MIN 20 S  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.171 -19.440 1081.22168 2 -12.405 -24.333 1036.53389 3 -9.254 -27.892 994.86047 4 -9.088 -24.679 1012.16943 5 -8.911 -21.251 1045.77797 6 -12.321 -20.746 1072.48727 7 -16.044 -20.072 1119.46031 8 -16.012 -23.887 1079.61418 9 -16.028 -27.42 1058.81976 10 -12.503 -27.681 1017.97417 11 -9.254 -27.892 994.86047 12 -6.774 -31.046 994.08807 13 -6.577 -28.048 987.08965 14 -6.358 -24.921 1003.89579 15 -6.111 -21.992 1036.33971 16 -5.624 -17.98 1087.24046 17 -8.718 -17.495 1098.75153 18 -12.254 -16.787 1129.40637 19 -16.139 -15.810 1182.86383 20 -20.597 -14.397 1267.00623 21 -20.260 -19.136 1192.51459 22 -20.065 -23.29C 1146.18361 23 -19.970 -27.095 1121.61737 24 -19.594 -30.696 1115.33418 25 -16.083 -30.790 1054.42120	AZS/C AZN -25.6 6.5 -39.3 6.4 -39.5 3.5 -57.3 5.2 -67.9 6.7 -9 -52.2 8.7 -41.1 11.0 -29.0 7.9 -13.2 4.7 -72.4 3.1 -22.7 66.4 -85.1 5.7 -86.4 -8.1 5.7 -86.4 -8.3 1.4 -12.2 10.8 14.1 -22.7 10.0 18.4 14.1 -22.7 10.8 3.7 1.6 4.8 1.6 4.8 1.7 1.7 1.8 1.7 1.7 1.8 1.8 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	TAB NO  SEC TO IMPACT 447-930  AZSUN AZA -81.0 57.0 -81.2 50.7 -80.6 52.1 -81.1 44.0 -81.3 49.7 -81.7 56.0 -80.3 62.9 -80.3 58.0 -80.6 52.1 -81.0 36.0 -80.6 52.1 -81.1 38.5 -81.0 32.2 -80.7 26.8 -81.1 38.5 -81.0 32.2 -80.7 26.8 -81.1 38.5 -81.0 32.2 -80.7 60.5 -82.1 44.0 -83.1 38.6 -83.1 44.0 -83.1 38.6 -83.1 44.0 -83.1 38.6 -83.1 44.0 -83.1 38.6 -83.1 44.0 -83.1 38.6 -83.1 44.0 -83.1 38.6 -83.1 44.0 -83.1 38.6 -83.1 44.0 -83.1 38.6 -83.1 44.0 -84.8 -85.0 54.5 -82.7 60.5 -82.7 60.5 -82.7 60.5 -82.7 74.3 -88.8 70.5	ALT 983.27493 49.92470 49.92470 49.28056 46.85405 47.87501 49.21397 50.72831 52.72217 71.06458 49.82723 48.15044 46.85405 43.82992 45.32328 46.93344 48.19355 49.8391 50.97288 52.67730 53.45693 54.45693	ATLAS PHOTO NO  LAT LON  -6-039 -30.284  B/A AZPHAZ INC.  0.896 -93.5 68.  0.919 -90.2 64.  0.991 -85.6 60.  0.991 -85.6 60.  0.993 -85.8 68.  0.812 -95.8 68.  0.812 -95.8 68.  0.802 -95.3 65.  0.995 -94.8 61.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.991 -85.6 60.  0.993 -81.6 59.  0.985 -90.3 71.  0.806 -90.3 71.  0.142 -96.4 72.  0.554 -102.3 74.  0.555 -100.2 66.  0.731 -101.2 70.  0.820 -99.4 62.  0.820 -99.4 62.  0.821 -99.4 62.  0.893 -98.7 59.	R 2718.730 A 7 40.0 31.2 A 17 40.0 31.2 A 18 7 7 17.2 A 18 7 42.4 25.1 A 18 7 42.4 25.1 A 18 7 42.4 36.4 A 18 7 53.8 31.6 A 18 7 53.8 37.6 A 18 37.9 32.1 A 18 37.9 32.1 A 18 37.9 32.1 A 18 37.9 32.1 A 18 38 37.9 A 18 38 38 38 38 38 38 38 38 38 38 38 38 38	POD SEQUENCE NO 230  V PTH AZ 2.190 -70.701 116.317  LPMA SCALE PT-PT 28.0 0. 0- 1 15.1 149.81728 1- 2 6.7 142.54009 2- 3 15.4 96.20802 3- 4 24.2 102.68833 4- 5 24.3 104.37847 5- 6 23.0 114.48388 6- 7 13.6 111.07985 7- 8 4.6 102.95717 8- 9 6.3 107.02017 9-10 6.7 98.62733 10-11 1-19 120.77662 11-12 6.2 90.39239 12-13 14.6 94.34438 13-14 23.1 100.50651 14-15 31.2 88.77340 16-17 33.2 88.77340 16-17 33.2 88.77340 16-17 33.6 109.14368 17-18 32.8 121.12813 18-19 30.6 141.00234 19-20 20.2 134.89233 20-21 10.6 18.25341 21-22 11.6 18.25341 21-22 11.4 108.33188 22-23 -7.5 102.49897 23-24 4-2 11.72.7142 24-25
JULY 31,1964 13 HR 18 MIN 20 S  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.171 -19.440 1081.22168 2 -12.405 -24.333 1036.53389 3 -9.254 -27.892 994.86647 4 -9.088 -24.679 1012.16943 5 -8.911 -21.251 1045.777197 6 -12.321 -20.746 1072.48727 7 -16.044 -20.072 1119.46031 8 -16.012 -23.887 1079.61418 9 -16.028 -27.424 1058.81976 10 -12.503 -27.881 1017.77417 11 -9.254 -27.892 994.86047 12 -6.774 -31.046 984.08807 13 -6.577 -28.048 987.08965 14 -6.358 -24.921 1003.893791 15 -6.111 -21.99 1036.333971 16 -5.824 -17.958 1087.24046 17 -8.718 -71.495 1098.75153 18 -12.254 -16.787 1129.40637 19 -16.139 -15810 1182.86383 20 -20.597 -14.397 1267.00623 21 -20.260 -23.292 1146.18361 23 -19.970 -27.095 1121.61737 24 -19.954 -30.696 1115.33418 25 -16.083 -30.790 1054.42120	AZS/C AZN -25.6 6.5 -39.3 6.4 -39.5 3.5 -57.3 5.2 -67.9 6.9 -52.2 8.7 -41.1 11.0 -29.0 7.9 -13.2 4.7 -19.1 4.7 -19.1 4.7 -19.1 4.7 -86.4 6.8 -60.4 11.0 -60.4 11.0 -60.4 11.0 -60.4 11.0 -60.4 11.0 -60.4 11.0 -60.1 10.1 -60.1 1	TAB NO  SEC TO IMPACT 447-930  AZSUN AZA -81.0 57.0 -81.2 50.7 -80.6 52.1 -81.1 44.6 -81.4 38.3 49.7 -81.7 56.0 -80.3 62.9 -80.3 58.0 -80.6 52.1 -80.8 54.4 -81.0 46.9 -81.1 38.5 -81.0 32.2 -80.7 26.8 -81.1 32.6 -83.1 38.6 -85.0 726.8 -85.1 32.6 -83.1 44.0 -88.1 32.6 -83.1 44.0 -88.1 44.0 -88.1 76.5 -80.6 54.5 -80.7 66.5 -85.7 60.5 -80.6 67.2 -78.6 74.3 -78.8 70.5	ALT 983.27493 49.92470 49.28056 46.85405 47.87501 49.21397 50.72831 52.7221 751.06458 49.82723 48.15044 46.85405 46.85405 47.82992 45.32328 48.19359 50.97288 50.9738 50.97	ATLAS PHOTO NO  LAT LON	R 2718.730 7  PHAZ EMIS A 7 40.0 31.2 1 2 73.1 11.0 4 77.7 17.2 7 42.4 25.1 6 42.1 29.8 6 47.7 30.4 0 47.8 30.9 7 53.2 27.5 9 53.0 18.9 2 53.1 11.0 9 58.8 2.9 8 53.6 6.3 9 48.3 14.6 2 43.0 23.2 8 37.9 32.1 4 37.1 33.7 4 36.8 37.6 4 36.8 37.6 7 37.1 43.5 6 38.1 50.9 1 43.8 37.6 7 37.1 43.5 7 37.1 43.5 7 37.1 43.5 8 58.5 8 58.8 37.9 1 43.8 35.9 1 43.8 35.9 1 43.8 35.9 1 43.8 35.9 1 58.8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	POD SEQUENCE NO 230  V PTH AZ 2.190 -70.701 116.317  LPMA SCALE PT-PT 28.0 0. 0- 1 15.1 149.81728 1- 2 6.7 142.44009 2- 3 15.4 96.20802 3- 4 24.2 102.68833 4- 5 24.3 104.37847 5- 6 23.0 114.48388 6- 7 13.6 111.07985 7- 8 4.6 102.9517 8- 9 6.3 107.02017 9-10 6.7 98.62733 10-11 1-19 120.77662 11-12 6.2 90.39239 12-13 14.6 94.34438 13-14 23.1 100.50651 14-15 33.2 88.77340 16-17 33.2 88.77340 16-17 33.6 109.14368 17-18 32.8 121.12813 18-19 33.6 109.14368 17-18 32.8 121.12813 18-19 30.6 141.00234 19-20 20.2 134.89233 20-21 10.6 118.25341 21-22 110.6 118.25341 21-22 1-7.5 102.49897 23-24 -4.2 117.27142 24-25 -2.3 105.09912 25-26 -1.7 97.02166 26-27
JULY 31,1964 13 HR 18 MIN 20 S  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.171 -19.440 1081.22168 2 -12.405 -24.333 1036.53389 3 -9.254 -27.892 994.86647 4 -9.088 -24.679 1012.16943 5 -8.911 -21.251 1045.77797 6 -12.321 -20.746 1072.48727 7 -16.044 -20.072 1119.46031 8 -16.012 -23.887 1079.61418 9 -16.028 -27.424 1058.81976 10 -12.503 -27.841 1017.77417 11 -9.254 -27.892 994.86047 12 -6.774 -31.046 984.0807 13 -6.577 -28.048 987.08965 14 -6.358 -24.921 1003.89379 15 -6.111 -21.992 1036.333771 16 -5.824 -17.958 1087.24046 17 -8.718 -71.495 1098.75153 18 -12.254 -16.787 1129.40637 19 -16.139 -15.810 1182.86383 20 -20.597 -14.397 1267.00623 21 -20.265 -23.292 1146.18361 23 -19.970 -27.095 1121.61737 24 -19.954 -30.696 1115.33418 25 -16.083 -30.790 1054.42120	AZS/C AZN -25.6 6.5 -39.3 6.4 -39.5 5.2 -67.9 6.9 -52.2 8.7 -41.1 11.0 -33.5 3.5 4.7 -72.4 3.1 -82.4 4.4 4.4 4.8 1.6 -60.4 11.0 -50.0 14.1 -42.0 18.4 -33.4 1.3 3.7 1.6 4.8 1.6 7.1 1.	TAB NO  SEC TO IMPACT 447-930  AZSUN AZA -81.0 57.0 -81.2 50.7 -80.6 52.1 -81.1 44.6 -81.4 36.2 -82.1 44.3 -83.3 49.7 -81.7 56.0 -80.3 58.0 -80.6 52.1 -80.8 54.4 -81.0 36.2 -80.7 56.0 -83.1 38.5 -81.0 32.2 -80.7 26.8 -81.1 38.5 -81.0 32.2 -80.7 60.5 -83.1 38.6 -85.1 44.0 -88.5 0 54.5 -82.7 60.5 -82.7 60.5 -82.7 60.5 -82.7 60.5 -82.7 60.5 -82.7 60.5 -83.1 38.6 -85.0 54.5 -86.0 67.2 -78.6 74.3 -78.8 70.5 -79.3 66.2	ALT 983.27493 49.92470 49.28056 46.85405 47.87501 49.21397 50.72831 52.7221 751.06458 49.82723 48.15044 46.85405 46.85405 47.82992 45.32328 48.19359 50.97288 50.9738 50.97	ATLAS PHOTO NO  LAT LON  -6.039 -30.284  8 .42PHz 1NC  0.496 -93.5 68.  0.919 -90.2 64.  0.959 -85.2 63.  0.913 -84.8 66.  0.959 -85.2 63.  0.913 -84.8 66.  0.862 -95.8 68.  0.895 -94.8 61.  0.996 -82.2 56.  0.996 -82.2 56.  0.996 -82.2 56.  0.996 -82.2 56.  0.996 -82.2 56.  0.996 -82.2 56.  0.996 -82.2 56.  0.986 -81.6 59.  0.986 -81.6 59.  0.986 -81.6 59.  0.986 -90.3 71.  0.851 -84.2 70.  0.860 -90.3 71.  0.851 -84.2 70.  0.866 -90.3 71.  0.851 -94.2 70.  0.851 -84.2 70.  0.851 -84.2 70.  0.851 -94.2 56.  0.873 -102.3 74.  0.731 -101.2 76.  0.802 -99.4 72.  0.554 -102.3 74.  0.731 -101.2 76.  0.803 -99.4 75.  0.913 -94.5 58.  0.913 -94.5 58.  0.968 -90.2 57.	R 2718.730 7  PHAZ EMIS A 7 40.0 31.2 1 2 73.1 11.0 4 77.7 17.2 7 42.4 25.1 6 42.1 29.8 6 47.7 30.4 0 47.8 30.9 7 53.2 27.5 9 53.0 18.9 2 53.1 11.0 9 58.8 2.9 8 53.6 6.3 9 48.3 14.6 2 43.0 23.2 8 37.9 32.1 4 37.1 33.7 4 36.8 37.6 4 36.8 37.6 7 37.1 43.5 6 38.1 50.9 1 43.8 37.6 7 37.1 43.5 7 37.1 43.5 7 37.1 43.5 8 58.5 8 58.8 37.9 1 43.8 35.9 1 43.8 35.9 1 43.8 35.9 1 43.8 35.9 1 58.8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	POD SEQUENCE NO 230  V PTH AZ 2.190 -70.701 116.317  LPMA SCALE PT-PT 28.0 0. 0- 1 15.1 149.81728 1- 2 6.7 142.44009 2- 3 15.4 96.20802 3- 4 24.2 102.68833 4- 5 24.3 104.37847 5- 6 23.0 114.48388 6- 7 13.6 111.07985 7- 8 4.6 102.9517 8- 9 6.3 107.02017 9-10 6.7 98.62733 10-11 1-19 120.77662 11-12 6.2 90.39239 12-13 14.6 94.34438 13-14 23.1 100.50651 14-15 33.2 88.77340 16-17 33.2 88.77340 16-17 33.6 109.14368 17-18 32.8 121.12813 18-19 33.6 109.14368 17-18 32.8 121.12813 18-19 30.6 141.00234 19-20 20.2 134.89233 20-21 10.6 118.25341 21-22 110.6 118.25341 21-22 1-7.5 102.49897 23-24 -4.2 117.27142 24-25 -2.3 105.09912 25-26 -1.7 97.02166 26-27

JULY 31,1964 13 HR 18 MIN 25	SEC 990 I	MS	TA	AB NO	113	ATL	AS PHOTO	NO	113		POD S	SEQUENCE NO	232
TRAJECTORY DATA			SEC TO 11		ALT 972.68729	LA			270	R	, V	PTH A -70.651 116	
PHOTO DATA					>121001E	•	30.	. 213	210	0.143	2.173	-10.031 110	. 507
PT LAT LON RANGE	AZS/C	AZN	AZSUN	AZA	A+	8/A	AZPHAZ	INCD	PHAZ	EMIS	AL PHA	SCALE P	T-PT
1 -11.162 -19.459 1069.68303	-25.7	6.5		56.9	49.39885		-93.5	68.7	40.0	31.1	28.0	0.	0- i
2 -12.390 -24.287 1025.65726	-39.4	6.4		50.6	48.74366		-90.2	64.1	47.5	23.3	15.2		1- 2
3 -9.272 -27.809 984.31471	-33.7	3.5		52.0	46.35739				53.1		6.8		2- 3
4 -9.107 -24.629 1001.54380	-57.4	5.3		44.6	47.37238		-85.2	63.4	47.7	17.3	15.4		3- 4
5 -8.932 -21.236 1034.85019 6 -12.307 -20.736 1061.28171	-67.8 -52.2	7.0 8.7	-81.4 3 -82.2	38.2	48.69964		-84.8	66.7	42.4	25.2	24.2		4- 5
7 -15.990 -20.071 1107.67329		10.9		44.3 49.6	50.19832 52.16706		-90.3	67.6	42.1	29.8	24.3		5- 6
8 -15.958 -23.846 1068.21172		7.9	-81.8		50.52521			6.80	42.4	30.4	23.0		6- 7
9 -15.973 -27.344 1047.52800	-13.4	4.7	-80.3		49.29580	0.805	-94.8	61 7	63 2	30.Y	13.7		7~ 8 8~ 9
	-19.3	4.0	-80.3		47.64018		-90.2				6.4	105.85574	
11 -9.272 -27.809 984.31471	-33.7	3.5	-80.6		46.35739		-85.6				6.8	97.58226 1	
12 -6.818 -30.930 973.46793	46.6	1.7	-80.8		43.35509		-82.2				-1.8	119.50132 1	
13 -6.623 -27.963 976.58037	-72.2	3.1	-81.0	46.8	44.84821	0.986			53.6		6.3	89.42810 1	
14 -6.406 -24.869 993.30693	-82.2	4.4		38.5	46.43824		-80.9	63.0	48.3	14.7	14.6	93.36197 1	3-14
15 -6.161 -21.574 1025.45729	-85.0	5.7		32.3	47.68727		-80.0				23.2	99.46390 1	4-15
16 -5.878 -17.979 1075.80096	-86.3	6.9		27.0	49.31531				37.9		31.8	108.65301 1	
17 -8.742 -17.520 1087.24561 18 -12.240 -16.819 1117.56651	-73.4	8.6		32.7	50.43909		-84.2		37.1		33.2	87.84857 1	
		11.0		38.6	52.12490		-90.3		36.8		33.6	107.99615 1	
20 ~20.489 -14.469 1253.21062		14.0 18.3		44.0 48.8	54.37955 57.49404				37.1		32.7	119.79304 1	
21 -20.157 -19.150 1179.70494		14.1		54.3	54.81406				38.1		30.5	139.27370 1	
22 17.964 -23.256 1133.87202		9.9		60.4	52.88255				48.5		20.2	133.33302 2 116.98263 2	
23 -19.869 -27.019 1109.46468		5.8		66.9	51.46610		-99.4		53.6		1.5	107,18694 2	
24 -19.851 -30.578 1103.06055	3.5	1.6		74.0	50.44234		-98.7		58.9		-7.3	101.39118 2	
25 -16.026 -30.674 1043.00458	4.6	1.6	-78.9	70.2	48.39047		-94.5		58.5		-4.0	115.89106 2	
26 -12.596 -30.765 1003.68113	6.8	1.6		65.8	46.81785		-90.2		58.3		-2.2	103.93586 2	
27 -9.428 -30.854 981.22462	12.7	1.7		58.6	45.21144	0.992	-85.9			9.5	-1.6	95.97739 2	
28 -6.818 -30.930 973.46793	46.6	1.7	-80.8	54.1	43.35509	0.969	-82.2	57.0	58.8	2.9	-1.8	79.09003 2	7-28
JULY 31,1964 13 HR 18 MIN 31	SEC 110 P	MS	TA	NO NO	114	ATL	AS PHOTO	NO	114		POD S	SEQUENCE NO	234
TRAJECTORY DATA	SEC 110 /		TA SEC TO 11 437.69	MPACT	ALT 962.08745	LA:	r Lo	)N		R 7.543	v		Z
TRAJECTORY DATA Photo data			SEC TO 11	MPACT 90	ALT 962.08749	LA: ) -6.	T LO 109 -30	IN 142	269	7.543	V 2.196	PTH A -70.600 116	. 298
TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	AZS/C	AZN	SEC TO 11 437.69	MPACT 90	ALT 962.08749	LA: ) -6.:	T LC 109 -30.	INCD	269 PHAZ	7.543 EMIS	V 2.196 Alpha	PTH A-70.600 116	Z • 298 T-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.153 -19.477 1058.12903	AZS/C -25.9	AZN 6.5	SEC TO 11 437.69 AZSUN -81.1	MPACT 90 AZA 56.7	ALT 962.08749 A* 48.87242	LA: ) -6.; B/A 0.897	T LC 109 -30. AZPHAZ -93.5	IN 142 INCD 68.7	269 PHAZ 40.0	7.543 EMIS 31.1	V 2.196 ALPHA 27.9	PTH A-70.600 116	Z • 298 T-PT 0- 1
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869	AZS/C -25.9 -39.5	AZN 6.5 6.4	SEC TO IN 437.69 AZSUN -81.1 5	MPACT 90 AZA 56.7 50.5	ALT 962.08749 A* 48.87242 48.22619	LA 0 -6.3 8/A 0.897 0.919	T LC 109 -30. AZPHAZ -93.5 -90.2	INCD 68.7 64.2	269 PHAZ 40.0 47.5	7.543 EMIS 31.1 23.3	V 2.196 ALPHA 27.9 15.2	PTH A -70.600 116 SCALE P 0.	Z • 298 T-PT 0- 1 1- 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058-12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990,90649	AZS/C -25.9 -39.5 -34.0	AZN 6.5 6.4 3.5	SEC TO IN 437.69 AZSUN -81.1 5 -81.3 5 +80.6 5	MPACT 90 AZA 56.7 50.5 51.8	ALT 962-08749 A* 48.87242 48.22619 45.86019	B/A 0.897 0.919 0.990	T LC 109 -30. AZPHAZ -93.5 -90.2 -85.6	INCD 68.7 64.2 60.4	269 PHAZ : 40.0 47.5 53.1	7.543 EMIS 31.1 23.3 11.1	V 2.196 ALPHA 27.9 15.2 6.9	PTH A-70.600 116 SCALE P 0. 145.96781 139.59392	7-PT 0- 1 1- 2 2- 3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193	AZS/C -25.9 -39.5	AZN 6.5 6.4	SEC TO 11 437.69 AZSUN -81.1 5 -80.6 5 -81.1 4	MPACT 90 AZA 56.7 50.5	ALT 962.08749 A* 48.87242 48.22619	B/A 0.897 0.919 0.990 0.959	T LO 109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2	INCD 68.7 64.2 60.4 63.5	269 PHAZ : 40.0 47.5 53.1 47.8	7.543 EMIS 31.1 23.3 11.1 17.3	V 2.196 ALPHA 27.9 15.2 6.9 15.5	PTH A -70.600 116 SCALE P 0. 145.96781 139.59392 94.21381	7-PT 0-1 1-2 2-3 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3	AZN 6.5 6.4 3.5 5.3	SEC TO 11 437.69 AZSUN -81.1 5 -81.3 5 -81.1 4	MPACT 90 AZA 56.7 50.5 51.8 44.5	ALT 962-08749 A* 48.87242 48.22619 45.86019 46.86919	B/A 0.897 0.919 0.990 0.959	T LC 109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3	INCD 68.7 64.2 60.4 63.5 66.8 67.6	269 PHAZ 40.0 47.5 53.1 47.8 42.4 42.1	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8	V 2.196 ALPHA 27.9 15.2 6.9 15.5 24.2 24.3	PTH A -70.600 116 SCALE P 0. 145.96781 139.59392 94.21381 100.56878	7-PT 0- 1 1- 2 2- 3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1059.87752	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -41.3	AZN 6-5 6-4 3-5 5-3 7-0 8-7	SEC TO 11 437.69 AZSUN -81.1 : -81.3 : -80.6 : -81.1 : -81.4 : -82.2 : -83.3 :	MPACT 90 AZA 56.7 50.5 51.8 44.5 38.3 44.2 49.5	ALT 962.08745 A* 48.87242 48.22619 45.86019 46.86919 48.18483 49.66782 51.61154	LA3 0-6-3 8/A 0-897 0-919 0-959 0-913 0-872 0-813	T LC 109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8	INCD 68.7 64.2 60.4 63.5 66.8 67.6	269 PHAZ 40.0 47.5 53.1 47.8 42.4 42.1	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8 36.3	V 2.196 ALPHA 27.9 15.2 6.9 15.5 24.2 24.3 23.0	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852	7 - PT 0 - 1 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1095.87752 8 -15.936 -23.803 1056.79848	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -29.2	AZN 6.5 6.4 3.5 5.3 7.0 8.7 10.9 7.8	AZSUN -81-1 : -81-3 : -80-6 : -81-4 : -81-3 : -81-4 : -81-4 : -81-4 : -81-4 : -81-4 : -81-4 : -81-4 : -81-4 : -81-4 : -81-4 : -81-4 : -81-8 :	MPACT 90 AZA 56.7 50.5 51.8 44.5 38.3 44.2 49.5 55.7	ALT 962-08745 A* 48.87242 48.22619 45.86019 48.18483 49.66782 51.61154 49.98533	B/A 0.897 0.919 0.959 0.913 0.872 0.813 0.862	T LC 109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8	INCD 68.7 64.2 60.4 63.5 66.8 67.6 68.6 65.1	269 PHAZ: 40.0 47.5 53.1 47.8 42.4 42.1 42.4 47.8	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8 36.3 30.9	V 2.196 ALPHA 27.9 15.2 6.9 15.5 24.2 24.3 23.0 13.7	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178	7-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1095.87752 8 -15.994 -23.803 1056.79848 9 -15.917 -27.246 1036.22531	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -41.3 -29.2 -13.6	AZN 6.5 6.4 3.5 5.3 7.0 8.7 10.9 7.8 4.8	AZSUN -81.1 -81.3 -80.6 -81.1 -81.3 -80.6 -81.1 -81.4	MPACT 90 AZA 56.7 50.5 51.8 44.5 38.3 44.5 55.7 62.5	ALT 962.08745 A* 48.87242 48.22619 45.86019 46.86919 48.18483 51.61154 49.96533 49.96538	LA: 0-6-: 8/A 0.897 0.919 0.959 0.913 0.872 0.813 0.862 0.895	T L(109 -30.4 AZPHAZ -93.5 -90.2 -85.6 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8	INCD 68.7 64.2 60.4 63.5 66.8 67.6 67.6	269 PHAZ 40.0 47.5 53.1 47.8 42.4 42.1 42.4 47.8 53.2	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8 36.3 30.9 27.5	V 2.196 ALPHA 27.9 15.2 6.9 15.5 24.2 24.3 23.0 13.7 4.8	PTH A -70.600 116 SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 100.81488	Z • 298 T-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.9064 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.38595	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -41.3 -29.2 -13.6 -19.6	AZN 6.5 6.4 3.5 5.3 7.0 8.7 10.9 7.8 4.8 4.0	AZSUN -81.1 5-81.3 5-81.4 5-82.2 6-81.1 5-82.2 6-81.8 5-82.2 6-82.2 6-82.3 6-82.4 6-82	MPACT 56-7 550-8 544-3 44-2 49-7 562-5	ALT 962.08745 A* 48.87242 48.22619 45.86019 46.86919 48.18483 49.66782 51.61154 49.98533 48.76384 47.12935	B/A 0.897 0.919 0.959 0.913 0.872 0.813 0.862 0.895	T L(109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8	INCD 68.7 64.2 60.4 63.5 66.8 67.6 68.6 65.1 61.8	269 PHAZ : 40.0 47.5 : 53.1 47.8 42.4 42.1 42.4 47.8 53.2 53.0	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8 36.3 30.9 27.5 18.9	V 2.196 ALPHA 27.9 15.2 6.9 15.5 24.2 24.3 23.0 13.7 4.8 6.4	PTH A -70.600 116 SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 100.81488 104.69051	Z • 298 T-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.7726 1050.06554 7 -15.935 -20.070 1095.87752 8 -13.904 -23.803 1056.7984 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.38595 11 -9.289 -27.7725 973.75727	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -41.3 -29.2 -13.6 -19.6 -34.0	AZN 6.5 6.4 3.5 5.3 7.0 8.7 10.9 7.8 4.0 3.5	AZSUN -81.1 5-81.3 -80.6 5-81.1 4-82.2 4-83.3 -80.4 6-80.4	MPACT 56.7 550.5 51.5 544.3 44.2 49.5 552.5 557.6 557.6	ALT 962.08745 A* 48.87242 48.22619 45.86019 46.18483 49.66782 51.61154 49.98533 48.76384 47.12935 58.86019	B/A 0.897 0.919 0.959 0.913 0.872 0.813 0.862 0.895 0.950	T L(109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -85.6	INCD 68.7 64.2 60.4 63.5 66.8 67.6 68.6 65.1 61.8 60.4	269 PHAZ : 40.0 47.5 53.1 47.8 42.4 42.1 42.4 47.8 53.2 53.0 53.1	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8 30.9 27.5 18.9 11.1	V 2.196 ALPHA 27.9 15.2 6.9 24.2 24.3 23.0 13.7 4.8 6.4 6.9	PTH A -70.600 116 SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 100.81488 104.69051 96.53616 1	2 2-298 7-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 0-11
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.05554 7 -15.935 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.254 1036.22531 11 -9.289 -27.725 973.75727 12 -6.883 -30.813 962.83805	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -41.3 -41.3 -29.2 -13.6 -19.6 -34.0	AZN 6.5 6.4 3.5 5.3 7.0 8.7 10.9 7.8 4.0 3.5 1.7	AZSUN -81.1 -81.3 -80.6 -81.4 -83.3 -81.8 -80.4 -80.4 -80.6 -80.6 -80.6 -80.8	MPACT 90 AZA 560-5 51.8 44-5 44-5 62-5 62-6 67-8 85-6 85-7 85	ALT 962.08745 A* 48.87242 48.22619 45.86019 48.18483 49.66782 51.61154 49.98533 49.76384 47.12935 45.86019 42.88002	B/A 0.897 0.999 0.999 0.959 0.913 0.862 0.813 0.862 0.895 0.990	T LC 109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.6 -90.3 -95.8 -95.3 -94.8 -90.2 -85.6	INCD 68.7 64.2 60.4 63.5 66.6 67.6 65.1 61.8 61.8 61.0 60.4	269 PHAZ 40.0 47.5 53.1 47.8 42.4 42.4 47.8 53.2 53.0 53.1 53.8	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8 36.3 30.9 27.5 18.9 11.1 2.8	V 2.196 ALPHA 27.9 15.5 24.2 24.3 23.0 13.7 4.8 6.9 -1.7	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 100.81488 104.69951 96.53616 1 118.22493 1	Z 298 T-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 0-11 1-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1095.87752 8 -19.904 -23.803 1056.7984 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.38595 11 -9.289 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.669 -27.879 966.0042	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -41.3 -29.2 -13.6 -19.6 -34.0 44.3 -72.0	AZN 6.5 6.4 3.5 5.3 7.0 8.7 10.9 7.8 4.8 4.0 3.5 1.7	AZSUN -81-1 58-1 18-1 18-1 18-1 18-1 18-1 18-	MPACT  AZA  550.51.8  544.3  449.5  551.8  551.8  657.6  688.8	ALT 962.08745 A* 48.22619 45.86019 46.86919 46.18483 49.66782 51.61154 49.98533 48.76384 47.12935 47.12935 47.12944 47.3271	B/A 0.897 0.919 0.959 0.913 0.872 0.862 0.895 0.990 0.990	T L(109 -30.  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -95.3 -95.3 -94.8 -90.2 -85.6 -82.2 -81.6	INCD 68.7 64.2 60.4 63.5 66.8 67.6 65.1 61.8 61.0 60.4 57.1 60.0	269 PHAZ 40.0 47.5 53.1 47.8 42.4 42.1 42.4 47.8 53.2 53.0 53.1 58.8	7.543 EMIS 31.1 23.3 117.3 25.2 29.8 36.3 30.9 27.5 18.9 12.8 6.5	V 2.196 ALPHA 27.9 15.2 6.9 15.5 24.3 23.0 13.7 6.4 6.4 6.9	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 100.81488 104.69051 118.22493 1 118.22493 1 188.46305 1	7-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9 9-10 0-11 1-12 2-13
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76669 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06557 7 -15.935 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.38595 11 -9.289 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.669 -27.879 966.06042 14 -6.455 -24.816 982.70744	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -41.3 -41.3 -41.3 -19.6 -34.0 44.3 -72.0	AZN 6.5 6.4 3.5 5.3 7.0 10.9 7.8 4.0 3.5 1.7 3.1	AZSUN -81.3 -81.4 -81.4 -81.4 -81.4 -81.4 -81.4 -81.8 -81.0 -81.0 -81.0 -81.0	MPO AZ A 7 5 5 5 1 . 8 5 5 5 1 . 8 5 5 5 5 5 5 5 5 5 5 5 5 6 6 5 7 5 6 6 5 7 5 6 6 5 7 6 6 6 5 7 6 6 6 6	ALT 962.08745 A* 48.87242 48.22619 45.86019 48.18483 51.61154 49.66782 51.61154 49.98533 48.76384 47.12935 586019 42.88002 44.37271 45.94255	LA3 0 -6-7 8/A 0-897 0-919 0-959 0-913 0-813 0-862 0-950 0-950 0-969 0-969 0-983	T L(109 -30.4 AZPHAZ -93.5 -90.5 -85.6 -85.2 -84.8 -90.3 -95.8 -95.8 -90.2 -85.6 -82.2 -81.6 -80.9	INCD 68.7 64.2 60.4 63.5 66.8 67.6 68.6 61.0 60.4 57.1 60.0 63.0	269 PHAZ : 40.0 47.5:53.1 47.8 42.4 42.1 42.4 47.8 53.0 53.1 58.8 58.8	7.543 EMIS 31.1 23.3 11.3 25.2 29.8 36.3 30.9 27.5 18.9 11.1 2.65 14.7	V 2.196 ALPHA 27.9 15.5 24.3 23.0 13.7 4.8 6.9 -1.7 4.1	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 104.69051 96.53616 118.2293 188.46305 182.437869 192.37869	27-PT 0-11-22-33-44-55-66-77-899-10 0-11-122-13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 900.4095 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.38595 11 -9.289 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.669 -27.879 966.06042 14 -6.455 -24.816 982.70744	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -29.2 -13.6 -19.6 -34.0 44.3 -72.0 -84.9	AZN 6.5 6.4 3.5 5.3 7.0 8.7 10.9 7.8 4.8 4.0 3.5 1.7	AZSUN -81-1 58-1 18-1 18-1 18-1 18-1 18-1 18-	MP90 A Z Z 7 7 5 5 5 1 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ALT 962.08745 48.87242 48.22619 45.86019 45.86019 48.18483 49.66782 51.61154 49.98533 48.76384 47.12935 45.86019 42.88002 44.37271 45.94255 47.18054	LA3 -6.3 B/A 0.897 0.919 0.959 0.913 0.872 0.862 0.895 0.990 0.969 0.986 0.986 0.988	T LC 109 -30.5 -90.5 -90.5 -85.6 -85.6 -90.3 -95.3 -95.3 -94.8 -90.2 -81.6 -80.0	INCD 68.7 64.2 60.4 63.5 66.8 67.6 68.6 65.1 61.0 60.4 57.1 60.0 63.0 63.0	269 PHAZ 0 40.0 47.5 53.1 47.8 42.4 42.1 42.4 47.8 53.2 53.0 53.1 58.8 53.6 48.3	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8 30.9 27.5 18.9 11.1 2.8 64.7 23.2	V 2.196 ALPHA 27.9 15.2 6.5 24.2 24.3 23.0 13.7 4.8 6.4 11.7 6.4 11.7	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 118.00852 118.24931 18.224931 188.46305 1 92.37869 1 98.42086 1	27 - 298 17 - PT 10 - 1 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7 7 - 8 8 - 9 9 - 10 1 - 12 2 - 13 4 - 15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.153 -19.477 1058.12903  2 -12.375 -24.229 1014.76869  3 -9.289 -27.725 973.75727  4 -9.127 -24.579 900.6554  7 -15.935 -20.070 1095.87752  8 -15.904 -23.803 1056.79848  9 -15.917 -27.264 1036.22531  10 -12.470 -27.275 973.75727  12 -6.863 -30.813 962.83603  13 -6.669 -27.879 966.06042  14 -6.455 -24.816 982.70744  15 -6.212 -21.556 1014.55538  16 -5.931 -17.999 1064.35500  17 -8.765 -17.544 1075.73225	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -41.2 -13.6 -19.6 -34.0 -84.0 -82.0 -84.9	AZN 6-5 6-4 5-3 7-0 8-7 17-8 4-8 4-0 3-7 3-1 4-5 6-9	AZSUN -81.1 : -80.6 : -82.2 : 4 -81.3 : -80.4 : -80.4 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.8	MPACT 56.7551.8 5551.8 5551.8 5551.8 5551.8 5551.8 5551.8 5551.8 5551.8 5551.8	ALT 962.08745 A* 48.87242 48.22619 45.86019 48.18483 51.61154 49.66782 51.61154 49.98533 48.76384 47.12935 586019 42.88002 44.37271 45.94255	LA3 0 -6. 8/A 0.897 0.919 0.959 0.951 0.872 0.883 0.862 0.895 0.990 0.990 0.986 0.983 0.986	T L(109 -30. AZPHAL -93.5 -90.2 -85.6 -90.3 -99.8 -90.2 -85.8 -90.2 -86.6 -80.9 -80.0 -99.0 -80.0 -99.	INCD 68.7 64.2 60.4 63.5 66.8 67.6 68.6 65.1 61.0 60.4 57.1 60.0 63.0 66.2 66.2	269 PHAZ 0 47.5 53.1 47.8 42.4 42.1 42.4 47.8 53.2 53.0 53.1 53.8 53.6 48.3 43.0 37.9	7.543 EMIS 31.1 23.3 11.1 17.3 25.2 29.8 36.3 30.9 11.1 2.8 6.5 123.2 32.0	V 2.196 ALPHA 27.9 15.5 24.2 23.0 13.7 4.6 6.4 6.4 6.4 14.7 23.2	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 100.81688 104.69051 96.53616 118.22493 188.46305 192.37869 198.42086 107.48884	27-PT 0-11-22-33-45-5-66-77-88-99-10 0-11-12-133-14-15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.36595 11 -9.289 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.669 -27.879 966.06042 14 -6.455 -24.816 982.70744 15 -6.212 -21.556 1014.5653 16 -5.931 -17.999 1064.35500 17 -8.765 -17.544 1075.73225 18 -12.227 -16.852 1105.71976	AZS/C -25.9 -39.5 -34.0 -57.4 -67.8 -52.3 -41.3 -29.2 -13.6 -34.0 -44.3 -72.0 -82.0 -84.9 -86.9	AZN 6-5 6-4 3-5 7-0 8-7 10-9 7-8 4-0 3-5 1-7 3-5 5-7	SEC TO 11 437.65  AZSUN -81.3 : -80.6 : -81.4 : -81.4 : -81.4 : -82.2 : -83.3 : -80.4 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.6 : -80.7	MPO Z A 7 5 5 5 5 4 4 5 5 5 7 5 6 4 8 5 5 5 5 5 6 4 8 5 5 5 5 5 6 4 8 5 5 5 6 4 8 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	ALT 962.08745 A* 48.87242 48.22619 45.86019 46.18483 49.66782 51.61154 49.98533 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935 47.12935	LA3 -6.3 B/A 0.897 0.919 0.959 0.913 0.862 0.813 0.862 0.990 0.969 0.969 0.983 0.938 0.938 0.938	T LC 109 -30. -93.5 -90.5 -85.6 -85.6 -95.8 -95.8 -95.8 -95.8 -95.8 -95.8 -95.8 -95.8 -95.8 -95.8 -96.8 -80.0 -84.6	INCD 68.7 64.2 60.4 63.5 66.8 67.6 68.6 65.1 61.0 60.4 57.1 63.0 63.0 64.2 770.4	269 PHAZ 40.0 47.5 53.1 42.4 42.4 47.8 53.2 53.0 53.1 58.8 53.6 43.0 37.1	7.543 EMIS 1 23.3 11.1 17.3 25.2 29.8 3 30.9 27.5 18.9 1 2.8 6.5 14.7 23.2 0 33.7	V 2.196 ALPHA 27.9 15.2 6.9 15.5 24.2 24.3 13.7 4.8 6.9 -1.7 4.4 14.7 23.2 31.8	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 102.19024 112.00852 108.76178 100.81488 104.69051 96.53616 118.22493 118.22493 188.46305 192.37869 107.48884 107.48884 107.48886 107.48886	Z · 298 T-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 0-11 1-12 2-3-14 4-15 5-17
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.153 -19-477 1058-12903  2 -12.375 -24-239 1014-76869  3 -9.289 -27-725 973.75727  4 -9.127 -24-579 900.649  5 -8.954 -21.221 1023.91193  6 -12.293 -20.7726 1050.0554  7 -15.935 -20.070 1095.87752  8 -15.904 -23.803 1056-79848  9 -15.917 -27.264 1036.22531  10 -12.470 -27.518 996.38595  11 -9.289 -27.725 973.75727  12 -6.863 -30.813 962.83805  13 -6.669 -27.879 966.06042  14 -6.455 -24.816 982.70744  15 -6.212 -21.556 1014.56538  16 -5.931 -17.999 1064.35500  17 -8.765 -17.544 1075.73225  18 -12.227 -16.852 1105.71976	AZS/C -25.9 -39.5 -34.0 -57.4 -52.3 -29.2 -13.6 -34.0 -72.0 -84.3 -72.0 -84.9 -60.4 1-50.1 1-	AZN 6-5 6-4 3-5 5-3 8-7 10-9 4-8 4-0 3-7 3-7 4-5 6-9 8-9	SEC TO 11 437.69 A75UN -81.1 -81.3 -80.6 -81.1 -82.2 -83.3 -81.1 -82.2 -83.3 -80.6 -80.4 -80.8 -	MPO	ALT 962.08749 48.87242 48.22619 45.86019 46.86919 49.66782 51.61154 49.98533 48.76384 47.12935 45.86019 42.88009 44.37271 45.94255 48.79042 49.90494 51.57247 37.79713	LA3 -6-: B/A 0-897 0-990 0-959 0-913 0-862 0-895 0-960 0-960 0-983 0-983 0-985 0-983 0-985 0-983 0-985	T LC 109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.8 -90.3 -95.8 -90.3 -95.8 -90.6 -86.6 -86.6 -86.6 -86.6 -86.9 -79.6 -86.0 -79.0 -84.2 -90.3 -96.4 -90.4	INCD 64.2 60.4 63.5 66.8 67.6 65.1 60.0 63.0 66.2 770.4 71.3 72.6	269 PHAZ 40.0 47.5 53.1 47.8 42.4 47.8 53.2 53.1 58.6 48.3 43.0 37.1 36.8 37.1	7.543 EMIS 23.3 211.1 175.2 236.3 227.5 112.8 64.7 232.0 7343.3	V 2.196 ALPHA 27.9 15.5 24.2 23.0 13.7 4.6 6.4 6.4 6.4 14.7 23.2	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 100.81688 104.69051 96.53616 118.22493 188.46305 192.37869 198.42086 107.48884	Z • 298 T-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-11 1-12 2-13 3-14 4-15 5-16 6-17 7-18
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.153 -19.477 1058.12903  2 -12.375 -24.239 1014.76869  3 -9.289 -27.725 973.75727  4 -9.127 -24.579 90.90649  5 -8.954 -21.221 1023.91193  6 -12.293 -20.726 1050.06554  7 -15.935 -20.070 1095.87752  8 -13.904 -23.803 1056.7984  9 -15.917 -27.264 1036.22531  10 -12.470 -27.518 996.38595  11 -9.289 -27.725 973.75727  12 -6.863 -30.813 962.83805  13 -6.669 -27.787 966.06042  14 -6.455 -24.816 982.70744  15 -6.212 -21.556 1014.56538  16 -5.931 -17.999 1064.35500  17 -8.765 -17.544 1075.73225  18 -12.227 -16.852 1105.71976  19 -16.028 -15.902 1157.7910  19 -16.028 -15.902 1157.79120  20 -20.381 -14.599 1239.42236	AZS/C -25.9 5 -34.0 -57.4 -67.8 -52.8 -41.3 1 -29.6 -19.6 -34.0 -82.0 -82.0 -82.0 -60.4 1 -50.1 1 -50.1 1 -50.1 1 -50.1 1 -42.1 1	AZN 6.5 3.5 5.3 7.0 10.9 7.8 4.0 3.5 7.1 4.5 5.7 8.6 10.9 10.9	SEC TO 11	MPO X758555448.257.56898541869455257488.257288343832333333333333333333333333333333	ALT 962.08745 48.87242 48.22619 45.86019 48.18483 49.66782 51.61154 49.98533 48.76384 47.12935 45.86019 42.88002 44.37271 45.94255 47.18054 49.9042 49.9042 49.9042 49.7042 49	B/A 0.897 0.919 0.990 0.959 0.913 0.872 0.813 0.862 0.990 0.969 0.986 0.993 0.938 0.	AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -96.3 -90.2 -85.6 -80.0 -79.0 -84.2 -90.3 -90.4	INC D 68.7 64.2 60.4 65.1 61.8 65.1 66.4 57.1 63.2 67.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4	269 PHAZ 40.0 47.5 53.1 47.8 42.4 42.4 42.4 53.0 53.0 58.8 53.6 48.3 43.0 37.1 36.8 37.1	7.543 EMIS1 323.3 11.3 117.3 229.8 30.9 11.1 229.8 14.2 2333.7 64.7 23333.7 6350.6	V 2.196 ALPHA 27.9 15.2 6.9 15.5 24.3 23.0 13.7 6.4 6.4 6.9 7 6.4 14.7 231.8 33.2 333.6	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 100.81688 104.69051 118.22493 188.46305 1 188.24293 198.42086 107.48884 186.92282 106.8488424	Z 298 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 66- 7 7- 8 9-10 0-11 1-13 3-14 4-15 6-17 7-18 8-19
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.0655.79548 9 -15.915 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.38595 11 -9.289 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.669 -27.879 966.06042 14 -6.455 -24.816 982.70744 15 -6.212 -21.556 1014.56538 16 -5.931 -17.999 1064.35500 17 -8.765 -17.544 1075.73225 18 -12.227 -16.852 1105.71976 19 -16.028 -13.902 1157.79105 20 -20.381 -14.559 1239.42236 21 -20.054 -19.183 1166.89270	AZS/C -25.9 -39.5 -34.0 -52.3 -41.3 -29.2 -13.6 -19.6 -34.0 -82.0 -84.3 -72.0 -84.9 -52.1 -50.1	AZN 6.5 6.4 3.5 7.0 8.7 10.9 8.7 10.9 4.8 4.0 5.7 3.5 1.7 3.5 1.7 6.6 9 10.9 11.9 11.9 11.9 11.9 11.9 11.9 11	SEC TO 11 437.60 A75UN -81.1 -81.3 -81.6 -81.4 -82.2 -83.3 -81.6 -80.4 -80.6 -81.0 -80.7 -80.8 -81.0	MPO A68 6 6 75.6 6 8 8 75.6 8 8 8 75.6 8 8 8 8 8 8 8 8	ALT 962.08745 48.87242 48.22619 46.86019 46.18483 49.66782 51.61154 49.98533 48.76384 47.12935 45.86019 42.88009 44.37271 45.9425 47.18054 48.79042 49.90494 51.57247 56.86155 54.21864	LAY 0 -6.: 8/A 0.897 0.919 0.990 0.953 0.813 0.862 0.895 0.990 0.990 0.983 0.938 0.9	T L(109 -30.)  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -90.2 -85.6 -82.2 -81.6 -80.0 -79.0 -79.0 -84.2 -90.3 -90.4 -102.3 -101.1	INCD 68.7 64.2 60.4 67.6 68.6 65.1 61.8 66.0 65.1 60.4 67.1 60.0 66.2 69.7 70.4 72.6 770.1	269 PHAZ 40.0 47.5 53.1 47.8 42.4 42.1 42.8 53.2 53.1 58.8 648.3 43.0 337.1 36.8 37.1 38.1	7.543 7.543 11.513 11.529 11.529 11.529 11.529 11.529 11.529 12.533 13.533	V 96 AL PHA 27.9 15.5 24.9 15.5 24.3 23.0 13.7 4.8 6.9 -1.7 23.8 33.6 32.7 30.5 20.5	PTH A -70.600 116  SCALE P 0. 145, 196781 139, 59392 94, 21381 100, 56878 102, 19624 112, 00852 108, 761,78 100, 81488 104, 69951 96, 53616 118, 22993 188, 46305 192, 37869 194, 42086 107, 48884 186, 92282 106, 84824 118, 45905 137, 55239 131, 757972 131, 77972 131, 77972	Z - 298 T-PT 0-1 1-2-3 3-4 4-5 5-6 6-7 7-8 9-10 0-11 1-12 2-13 3-14 5-16 6-17 8-19 9-21
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.153 -19.477 1058.12903  2 -12.375 -24.239 1014.76869  3 -9.289 -27.725 973.75727  4 -9.127 -24.579 900.06554  5 -8.954 -21.221 1023.91193  6 -12.293 -20.7726 1050.06554  7 -15.935 -20.070 1095.87752  8 -19.904 -23.803 1056.79848  9 -15.917 -27.264 1036.22531  10 -12.470 -27.518 996.38595  11 -9.299 -27.725 973.75727  12 -6.863 -30.813 962.83805  13 -6.669 -27.879 966.0042  14 -6.455 -24.816 982.70744  15 -6.212 -21.556 1014.56538  16 -5.931 -17.999 1064.35500  17 -8.765 -17.544 1075.73225  18 -12.227 -16.852 1105.71976  19 -16.028 -13.902 1157.79102  20 -20.381 -14.599 1239.42236  21 -20.054 -19.163 1166.89270  22 -19.863 -23.222 1121.55396	AZS/C -25.9 5 -34.0 -57.4 -67.8 -52.3 -61.3 1 -29.2 -13.6 -19.6 -34.0 -82.0 -82.0 -82.0 -82.0 -82.0 -33.6 -2-23.3 60.4 1 -33.6 1 -22.9	AZN 6.5 6.4 3.5 7.0 8.7 10.9 14.5 5.7 8.6 10.9 11.9 18.1 19.9	SEC TO 11 437.66  AZSUN -81.1 -81.3 -81.4 -81.4 -81.4 -81.4 -83.3 -80.4 -81.0 -80.4 -80.6 -81.0	MPO AC.555448.257.5689.854188.372.8649.572.333488.972.2333488.972.2	ALT 962.08745 48.87242 48.22619 45.86019 48.18483 49.66782 51.61154 49.98533 48.76384 47.12935 47.12935 47.18054 47.37271 45.94255 47.18054 48.79042 49.9042 49.9042 49.9042 48.79742 56.86155 54.21864 52.30786	LA3 -63 B/A 0.897 0.919 0.959 0.913 0.862 0.895 0.950 0.969 0.983 0.983 0.983 0.986 0.983 0.986 0.983 0.983 0.985 0.986 0.986 0.987 0.986 0.986 0.986 0.986 0.987 0.986	L(109 -30: AZPHAZ -93.5 -90.2 -85.8 -90.3 -95.8 -90.2 -85.6 -86.2 -86.6 -86.9 -86.9 -86.2 -90.3 -90.4 -102.3 -101.1 -100.2	INCD 68.7 64.2 63.5 66.8 66.6 66.6 66.6 66.6 66.6 67.1 66.2 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1	269 PHAZ 40.0 47.5 53.1 47.8 42.4 42.4 42.4 53.2 53.0 58.8 53.6 43.9 37.1 38.1 43.3	7.543 EMIS1 313.13 117.3 117.3 29.8 307.5 11 26.5 1232.7 143.0 3337.6 3430.6 439.4	V 2.196 AL PHA 27.9 15.9 15.9 24.2 24.3 13.7 4.8 6.4 6.4 14.7 23.2 33.6 33.6 33.6 33.6 30.5 20.7	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 112.00852 118.00858 108.76178 100.81488 104.69051 96.53616 118.22493 18.46305 192.37869 107.48884 118.46305 107.48884 118.45905 118.7233 113.77972 115.71291 115.71291	Z 298 T-PT 0-1 1-2 3-4 4-5 5-6 6-7 8-9 9-10 1-12 2-3 3-14 4-15 6-17 7-18 9-20 0-21 1-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 990.90649 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06557 7 -15.935 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.38595 11 -9.289 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.609 -27.879 966.06012 14 -6.455 -24.816 982.70744 15 -6.212 -21.556 1014.56538 16 -5.931 -17.999 1064.35500 17 -8.765 -17.544 1075.73225 18 -12.227 -16.852 1105.71976 19 -16.028 -15.902 1157.79105 20 -20.381 -14.539 1239.42236 21 -20.054 -19.183 1166.89270 22 -19.883 -23.222 1121.55396 23 -19.883 -23.222 1121.55396 23 -19.768 26.927 0972 10982	AZS/C -25.9 -39.5 -34.0 -52.3 -61.3 -29.2 -13.6 -19.6 -34.0 -72.0 -84.3 -72.0 -84.2 -73.3 -60.4   1 -42.1   1 -33.6   1 -22.9 -10.4	AZN 6.5 6.4 3.5 7.0 8.7 10.9 7.8 4.8 4.0 3.5 1.7 4.5 5.7 6.9 10.9 118.9 114.0 9.9	SEC TO 11 437.60 A75.01 -81.1 -81.3 -81.1 -81.4 -81.4 -81.8 -81.8 -81.8 -81.0 -81.6 -81.0	MPO A6.55548.25756889854484.27	48.87242 48.87242 48.22619 46.86019 46.18483 49.66782 51.61154 49.98533 48.76384 47.12935 45.86019 42.88002 44.37271 45.9425 47.18054 47.9424 49.90494 51.79713 56.86155 54.21864 52.30786 50.90183	LA3 0.897 0.919 0.919 0.959 0.913 0.872 0.813 0.862 0.950 0.999 0.988 0.988 0.988 0.978 0.974 0.807 0.747 0.733 0.787	7 LC 109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.3 -95.3 -95.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.0 -79.0 -80.1 -100.2 -90.3 -101.1 -100.2 -90.4 -102.3 -90.4 -102.3 -90.4 -90.2 -90.4 -102.3 -90.4 -90.2 -90.4 -102.3 -90.4 -90.4 -90.2 -90.4 -100.2 -90.4	INCD 68.7 660.4 63.5 66.8 6 65.1 61.8 65.1 770.4 770.1 60.2 69.7 71.3 72.4 670.1 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66	269 PHAZ 40.0 53.1 47.8 53.1 42.4 47.8 53.2 53.1 53.1 53.1 53.1 53.1 53.1 53.1 53.1	7.543 EMIS13.13.13.13.13.28 1175.88 112233078.91 1233373040.45 1233377.6362496.5	V 96 AL PHA 27.9 2 15.5 2 24.3 23.0 13.7 4.8 4.6.9 -1.7 4.8 33.6 32.7 5.2 31.8 33.6 32.7 5.2 0.2 10.7 1.6	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00852 108.76178 104.69051 96.53616 118.22493 188.46305 192.37869 198.42086 107.48884 186.92282 1106.84824 118.45905 137.55239 131.77972 115.71291 2 115.71291 2 115.71291	Z - 298 T-PT 0-12-3 3-4-5 5-6-7 7-8 8-9 0-11 2-13 3-14-5 5-16 6-7-18 8-20 0-21 1-2-23
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.153 -19.477 1058.12903 2 -12.375 -24.229 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 900.6954 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 96.385251 11 -9.289 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.669 -27.879 966.06042 14 -6.455 -24.816 982.70744 15 -6.212 -21.556 1014.56538 16 -5.931 -17.999 1064.35500 17 -8.765 -17.544 1075.73225 18 -12.227 -16.852 1105.71976 19 -16.028 -15.902 1157.79105 20 -20.381 -14.539 1239.42236 21 -20.034 -19.163 1166.8921 22 -19.863 -23.222 1121.55396 23 -19.768 -26.942 1097.30487 24 -19.749 -30.460 1090.78146	AZS/C -25.9 5 -34.0 -57.4 -67.8 -52.3 -41.3 1 -29.2 -13.6 44.3 -72.0 -82.0 -82.0 -19.6 -42.1 1 -33.6 1 -50.4 1 -33.6 1	AZN 6-5 6-4 3-5 7-0 10-9 7-8 4-0 3-5 1-7 3-1 4-5 1-7 6-9 8-6 9-9 13-9 18-1 9-9 5-8	SEC TO 11 437.60  AZSUN -81.1 -81.3 -81.4 -81.4 -81.4 -81.8 -80.4 -81.8 -80.4 -80.6 -81.0	MPO AC.501125768985.41869.7227.866.77.878.878.877.8888.877.8888.877.8888.877.88888.878.87888888	ALT 962.08749 48.87242 48.22619 45.86019 45.86019 48.18483 49.66782 51.61154 49.98533 48.76384 47.12935 45.86019 24.37271 45.94255 47.18054 48.79042 49.90494 51.57247 56.86155 54.21864 50.90183 50.90183	LA3 0-8-7 0-897 0-919 0-990 0-97 0-813 0-862 0-895 0-969 0-969 0-986 0-983 0-938 0-876 0-857 0-747 0-733 0-787 0-822 0-842	TO 109 -30.  AZPHA2 -93.5 -90.2 -85.2 -85.8 -90.3 -95.3 -94.8 -90.2 -81.6 -80.0 -79.0 -84.2 -90.3 -101.1 -100.2 -99.4 -102.3 -101.1 -100.2 -99.4 -798.7	INCD 68.7 64.2 63.5 66.8 66.4 65.1 66.4 65.1 66.4 67.7 70.4 77.0.4 77.0.4 66.3 62.8 62.8	269 PHAZ: 40.0 47.5 53.1 47.8 42.4 47.8 53.0 53.0 53.1 38.8 53.6 37.1 38.1 43.3 53.8 53.8	7 .543 81.13.13.28 83.23.1.7.3.28 83.23.1.7.3.28 83.23.7.3.28 83.23.7.3.45 84.3.23.7.3.45 84.3.23.7.3.45 84.3.23.7.3.45 84.3.23.7.3.45	V 2.196  ALPHA 27.9 15.9 15.5 24.2 24.3 24.3 24.3 24.3 24.3 24.3 24.3	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.556878 102.19624 112.00852 112.00852 112.00852 112.00852 112.36869 118.22493 118.22493 118.25686 107.48884 1 106.48884 1 107.48884 1 107.48884 1 108.7972 2 118.7972 2 115.71291 2 106.04164 2	Z . 298 T-PT 10-1 22-3 3-4-5-6-6-7-8-9 9-10 1-12 3-14 4-16 6-17 8-19 9-20 1-12 2-23 3-14 2-16 2-22 2-23 2-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.153 -19.477 1058.12903  2 -12.375 -24.239 1014.76869  3 -9.289 -27.725 973.75727  4 -9.127 -24.579 990.0649  5 -8.954 -21.221 1023.91193  6 -12.293 -20.726 1050.06554  7 -15.935 -20.070 1095.87752  8 -15.904 -23.803 1056.79848  9 -15.917 -27.264 1036.22531  10 -12.470 -27.518 996.38595  11 -9.289 -27.725 973.75727  12 -6.863 -30.813 962.83805  13 -6.69 -27.879 966.06042  14 -6.455 -24.816 982.70744  15 -6.212 -21.556 104.5653  16 -5.931 -17.999 1064.35500  17 -8.765 -17.544 1075.73225  18 -12.227 -16.852 1105.71976  19 -16.028 -15.902 1157.7910  19 -16.028 -15.902 1157.7910  20 -20.381 -14.599 1239.4236  21 -20.054 -19.163 1166.89270  22 -19.863 -23.222 1121.5539  23 -19.768 -26.992 1097.30487  24 -19.749 -30.460 1090.78146  25 -15.999 -30.557 1031.57828	AZS/C -25.9 -34.0 -57.4 -67.8 -52.3 -41.3 -19.6 -19.6 -19.6 -82.0 -82.0 -84.3 -72.0 -82.0 -84.3 -72.0 -82.0 -84.3 -72.0 -80.4 -50.1 -33.6 -19.6 -19.6 -33.6 -19.6 -33.6 -33.6 -33.3 -33.4 -33.4 -33.3 -34.4 -30.1 -33.6 -32.9 -33.6 -33.3 -33.4 -33.3 -33.4 -33.5	AZN 6-5 6-4 7-0 7-8 8-7 10.9 7-8 4-0 3-1 7-6 9-8 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	SEC TO 11 437.0% -81.1 -81.3 !-80.6 !-81.1 -82.2 -81.4 !-82.2 !-83.3 !-80.6 !-80.6 !-80.6 !-80.6 !-81.0 !-8	MPO 560.18.5.7.5.68.9.8.5.4.18.6.9.7.2.2.7.7.9.8.6.8.9.7.2.2.7.7.9.8.6.8.9.7.2.2.7.7.9.8.6.8.9.7.2.2.7.7.9.8.6.8.9.7.2.2.7.7.9.8.9.8.9.8.9.7.2.2.7.7.9	ALT 962.08745 48.87242 48.22619 46.86019 46.18483 49.66782 51.61154 49.98533 48.76384 47.12935 47.12935 47.12935 47.12935 47.18054 48.79042 49.90494 51.57247 54.21864 52.30786 52.30786 52.30786 50.90183 49.88009 49.88009 49.88009	LA: 0.897 0.919 0.959 0.959 0.913 0.812 0.862 0.895 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.90000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.	7 LC 109 -30. AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -95.2 -85.6 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -90.4 -102.3 -90.4 -98.7 -99.7 -94.5	INCD 68.7 668.6 67.6 68.6 65.1 61.0 665.1 77.1 37.1 37.1 37.1 37.1 37.1 37.1 37	Z699 PHAZ 440.0 53.1 53.1 42.4 47.8 42.4 47.8 53.0 53.1 36.8 37.9 37.9 37.9 37.9 37.9 37.9 37.9	7.543 EMIS 31.1 23.3 11:-1 17.3 25.2 29.8 36.3 30.9 511:-1 2.8 14.7 232.0 333.7 333.7 333.7 333.7 334.3 449.4	V 2 . 1 96  ALPHA 27.9 2 15.5 2 4.3 23.0 1 3.7 4.8 6.9 -1.7 6.4 7 231.8 23.0 32.7 5.2 0.2 1 0.7 6.7 1 1.6 7 2 1 1.7 2	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00952 108.76178 100.81488 104.69051 96.53616 118.22493 188.46305 198.47086 107.48884 186.92282 118.47086 137.55239 115.71291 2 115.71291 2 115.71291 2 106.04164 2 100.28310 2 106.04164 2 100.28310 2 114.51259	Z . 298 T-PT 0- 1 2 2- 3 - 4-5 5- 6 - 7 7- 8 - 9-10 1-12 2-13 - 4-15 5-16 - 17 7-18 - 18-19 - 19-12 -
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.153 -19.477 1058.12903 2 -12.375 -24.239 1014.76869 3 -9.289 -27.725 973.75727 4 -9.127 -24.579 900.6954 5 -8.954 -21.221 1023.91193 6 -12.293 -20.726 1050.06554 7 -15.935 -20.070 1095.87752 8 -15.904 -23.803 1056.79848 9 -15.917 -27.264 1036.22531 10 -12.470 -27.518 996.38531 11 -9.289 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.669 -27.725 973.75727 12 -6.863 -30.813 962.83805 13 -6.669 -27.725 973.75727 14 -6.455 -24.816 982.70744 15 -6.212 -21.556 1014.56538 16 -5.931 -17.999 1064.35500 17 -8.765 -17.544 1075.73225 18 -12.227 -16.852 1105.71976 19 -16.028 -15.902 1157.79105 20 -20.381 -14.539 1239.42236 21 -20.054 -19.163 1166.8921 22 -19.863 -23.222 1121.55396 23 -19.768 -26.942 1097.30487 24 -19.749 -30.460 1090.78146 25 -15.969 -30.557 1031.57828	AZS/C -25.9 -34.0 -57.4 -67.8 -52.3 -41.3   -19.6 -19.	AZN 6.5 6.4 3.5 7.0 10.9 7.8 4.0 3.5 7.1 4.5 7.1 6.9 13.9 13.9 13.9 14.0 9.9 13.7	SEC TO 11 437.60  AZSUN -81.1 -81.3 -81.1 -81.4 -82.2 -83.3 -81.8 -80.4 -80.6 -81.0	MP9 5501-18-59-51-18-69-7-22-7-7-9-5-18-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-	ALT 962.0874 48.87242 48.22619 45.86019 45.86019 48.18483 49.66782 51.61154 49.98533 48.76384 47.12935 45.86019 42.87271 45.94255 47.18054 48.79042 49.9049 51.57247 56.86155 54.21864 50.90183 54.21864 50.90183 67.88003 47.88003 47.88003 47.8800847	LA2 0 -6. B 0 -897 0 -919 0 -919 0 -919 0 -919 0 -813 0 -862 0 -851 0 -950 0 -983 0 -983 0 -983 0 -744 0 -657 0 -744 0 -657 0 -744 0 -657 0 -744 0 -744	T L(109 -30.)  AZPHAZ -93.5 -90.2 -85.6 -85.2 -95.8 -95.8 -95.8 -95.6 -85.6 -86.6 -86.9 -75.0 -10.1 1 -100.2 -90.3 -96.4 -102.3 -10.1 1 -100.2 -99.4 -99.4 -99.4 -99.4 -99.5 -99.5 -99.5 -99.5 -99.5 -99.5 -99.5 -99.5	N 142 INCD 68.7 60.4 63.5 60.4 65.1 60.4 60.4 60.4 70.6 60.7 70.4 70.4 60.3 60.7 70.4 60.3 60.3 60.3 60.4 60.7 70.4 60.3 60.3	2699 PHAA2 47.5 53-1 42-4 47.8 42-4 47.8 42-3 53-0 53-1 58-8 37-9 37-1 38-1 48-5 58-9 58-5 58-9 58-5	7,543 EMIS 31:1 17:3 23:1 117:3 22:9:8 36:3 36:3 36:5 18:9 12:8 6:5 23:0 33:7 23:0 33:7 33:7 33:7 33:7 33:7 33:7 33:7 3	V 1 96  ALPHA 9 15.2 9 15.5 2 24.3 23.0 7 4.8 4 6.9 9 123.2 33.6 7 123.2 33.6 7 123.2 33.6 7 123.2 10.7 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 102.19024 112.00852 108.76178 100.81488 104.69051 96.53616 118.22493 188.46305 198.47286 107.48884 118.45905 137.55239 118.45905 137.55239 131.77972 215.71291 2106.04164 2116.71299	Z • 298 T-PT 1 1- 2- 3 4- 5 6- 7- 8 9-10 1-12 2-13 4-15 6-17 8-10 1-12 2-13 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-17 8-10 1-12 2-13 3-14 4-15 6-16 1-16 1-17 1-17 2-17 2-17 2-17 3-17 4-17 1-17 2-17 3-17 4-17 1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.153 -19.477 1058.12903  2 -12.375 -24.239 1014.76869  3 -9.289 -27.725 973.75727  4 -9.127 -24.579 990.0649  5 -8.954 -21.221 1023.91193  6 -12.293 -20.726 1050.06554  7 -15.935 -20.070 1095.87752  8 -15.904 -23.803 1056.79848  9 -15.917 -27.264 1036.22531  10 -12.470 -27.518 996.38595  11 -9.289 -27.725 973.75727  12 -6.863 -30.813 962.83805  13 -6.69 -27.879 966.06042  14 -6.455 -24.816 982.70744  15 -6.212 -21.556 104.5653  16 -5.931 -17.999 1064.35500  17 -8.765 -17.544 1075.73225  18 -12.227 -16.852 1105.71976  19 -16.028 -15.902 1157.7910  19 -16.028 -15.902 1157.7910  20 -20.381 -14.599 1239.4236  21 -20.054 -19.163 1166.89270  22 -19.863 -23.222 1121.5539  23 -19.768 -26.992 1097.30487  24 -19.749 -30.460 1090.78146  25 -15.999 -30.557 1031.57828	AZS/C -25.9 -34.0 -57.4 -67.8 -52.3 -41.3 -13.6 -19.6 -34.0 -82.0 -82.0 -84.3 -72.0 -82.0 -84.3 -73.6 -19.6	AZN 6-5 6-4 7-0 7-0 7-8 7-8 4-0 10-7 8-6 10-9 8-6 10-9 8-6 10-9 18-1 14-0 9-5-8 1-7	SEC TO 11 437.60  AZSUN -81.1 -81.3 -81.1 -81.4 -82.2 -83.3 -81.8 -80.4 -80.6 -81.0	MPACT  A 54.7  50.5  644.5  50.5  644.5  50.5  644.5  50.6  64.6  60.2  60.2  60.7  70.9  65.3	ALT 962.08745 48.87242 48.22619 46.86019 46.18483 49.66782 51.61154 49.98533 48.76384 47.12935 47.12935 47.12935 47.12935 47.18054 48.79042 49.90494 51.57247 54.21864 52.30786 52.30786 52.30786 50.90183 49.88009 49.88009 49.88009	LA: -6 8.497 0.919 0.959 0.913 0.815 0.950 0.9	7 LC 109 -30. -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.8 -95.3 -94.8 -90.2 -85.6 -80.0 -79.0 -84.2 -90.3 -96.4 -102.3 -96.4 -102.3 -101.1 -100.2 -79.4 -79.5 -790.5	INCD 142 INCD 68.7 668.7 668.6 67.6 68.6 61.8 60.0 63.0 66.2 77.1.3 77.1.3 74.4 77.2.6 62.8 62.8 75.8 75.8	269 PHAZ 40.0 47.5 47.8 42.4 42.4 42.4 53.2 53.1 58.8 53.2 53.1 43.3 43.3 43.3 43.3 53.8 53.8 53.8 53.8 53.8	7,543 EMIS 31-1 117-3 111-1 117-3 111-1 117-3 111-1 17-3 111-1 17-3 111-1 17-3 17-5 14-7 17-3 17-3 17-3 17-3 17-3 17-3 17-3 17	V 2 . 1 96  ALPHA 27.9 2 15.5 2 4.3 23.0 1 3.7 4.8 6.9 -1.7 6.4 7 231.8 23.0 32.7 5.2 0.2 1 0.7 6.7 1 1.6 7 2 1 1.7 2	PTH A -70.600 116  SCALE P 0. 145.96781 139.59392 94.21381 100.56878 102.19624 112.00952 108.76178 100.81488 104.69051 96.53616 118.22493 188.46305 198.47086 107.48884 186.92282 118.47086 137.55239 115.71291 2 115.71291 2 115.71291 2 106.04164 2 100.28310 2 106.04164 2 100.28310 2 114.51259	Z • 298 T-PT 1- 2 2 3- 4- 5 6- 7 8- 9 9-11 1-12 3-14 5-16 6-18 8-19 90-21 1-12 3-14 5-16 6-18 8-19 90-21 1-22 3-4 5-16 6-18 8-19 90-21 1-22 3-4 5-16 6-7 8-19 90-21 1-22 3-4 5-16 6-7 8-19 90-21 1-22 3-4 5-16 6-7 8-19 90-21 1-22 3-4 5-16 6-7 8-19 90-21 1-22 3-4 5-16 6-7 8-19 90-21 1-22 3-4 5-16 6-7 8-19 90-21 1-22 3-4 5-16 6-7 8-19 90-21 1-22 3-4 3-4 5-16 6-7 8-19 90-21 1-22 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4

ATLAS PHOTO NO 115 POD SEQUENCE NO 236 TAB NO 115 JULY 31,1964 13 HR 18 MIN 36 SEC 230 MS SEC TO IMPACT ALT LAT LON R V PTH AZ 432.570 951.47525 -6.144 -30.070 2686.931 2.199 -70.549 116.288 TRALECTORY DATA POD SEQUENCE NO 238 ATLAS PHOTO NO 116 TAB NO 116 JULY 31,1964 13 HR 18 MIN 41 SEC 349 MS SEC TO IMPACT 427.450 ALT LAT LUN R V PTH AZ 940.85049 -6.180 -29.998 2676.306 2.203 -70.497 116.278 TRAJECTORY DATA PHOTO DATA
PT LAT LON RANGE - 26.2
2 -12.344 -24.144 992.95163 -39.7
3 -9.325 -27.557 952.60532 -34.6
4 -9.166 -24.477 969.59306 -57.5
5 -8.997 -21.190 1001.99791 -67.8
6 -12.264 -20.705 1027.59511 -52.3
7 -15.827 -20.065 1072.25259 -41.4
8 -15.795 -23.718 1033.93550 -29.5
9 -15.807 -27.103 1013.58882 -14.0
10 -12.436 -27.352 974.74769 -20.1
11 -12.436 -27.352 974.74769 -20.1
12 -6.951 -30.579 941.54863 39.4
13 -6.762 -27.708 944.98651 -71.6
14 -6.551 -24.711 961.47281 -81.7
15 -6.313 -21.519 992.7474 -88.7
16 -6.039 -18.038 1041.4324 -88.1
17 -8.812 -17.591 1052.67450 -73.2
18 -12.200 -16.915 1081.99603 -60.4
19 -15.916 -15.993 1132.69373 -50.1
20 -20.164 -14.678 1211.85451 -42.2
21 -19.848 -19.187 1141.25159 -33.7
22 -19.662 -23.152 1096.89337 -23.2
23 -19.566 -26.787 1072.96143 -10.7
24 -19.543 -30.223 1066.20648 2.9
25 -15.855 -30.322 1008.69397 -3.2
24 -19.543 -30.223 1066.20648 2.9
25 -15.855 -30.322 1008.69397 3.9
26 -12.540 -30.415 970.88290 5.7
27 -9.476 -30.504 949.17055 10.7
28 -6.951 -30.507 941.54863 39.4 427.450

AZN AZSUN AZA
6.4 -81.2 56.4
6.4 -81.3 50.3
3.5 -80.6 51.5
5.3 -81.1 44.4
7.0 -81.4 38.3
8.7 -82.2 44.2
10.8 -83.4 49.4
7.8 -81.9 55.4
4.8 -80.5 57.2
3.5 -80.6 51.5
1.7 -80.8 53.4
3.1 -80.9 46.6
4.5 -81.0 38.6
6.9 -80.6 52.4
1.8 -80.9 32.5
6.9 -80.6 27.4
8.6 -81.6 32.9
10.9 -83.1 38.7
17.9 -87.9 48.6
13.8 -85.1 43.9
17.9 -87.9 48.6
13.8 -85.1 54.0
9.8 -80.9 66.2
1.8 -79.0 73.0
1.7 -79.1 69.2
1.7 -79.5 64.9
1.7 -80.1 57.7 PHOTO DATA 20 -20.164 21 -19.848 22 -19.662 23 -19.566 24 -19.543 25 -15.855 26 -12.540 27 -9.476

RA-VI	CAME	RA FA

JULY 31,19	964 13 HR 18	MIN 46	SEC 469	MS		TAB NO	117	ATL	AS PHOTO	ON O	117		POD	SEQUENCE N	0 240
TRAJECTOR	RY DATA				SEC TO		ALT	LA		ON		R	٧	PTH	AZ
PHOTO DAT	r.a.				422.	.330	930.2130	7 -6.	216 -29	.925	26	65.668	2.206	-70-446 1	16.268
PT LAT		RANGE	AZS/C	47 N	AZSUN	AZA	A•	R/A	AZPHAZ	ENCD	DHA7	EMIS	AI DI A	SCALE	PT~PT
	-19.533 102	3.37312		6.4	-81.2	56.2	47.28888	0.897	-93.5	68.6	40.1	30.9	27.8	0.	0- 1
	-24.097 98		-39.8	6.4	-81.4	50.2	46.66950			64.3	47.5	23.3	15.4	140.14519	1- 2
3 -9.342 4 -9.185	-27.473 94 -24,426 95	2.00668	-34.9 -57.5	3.5	-80.7 -81.1	51.3	44.36490				53.2		7.1	135.15887	
5 -9.018		1.00606	-67.7	5.3 7.0	-81.4	44.4 38.3	45.35551					17.5 25.2	15.6 24.2	91.21247 97.37961	
6 -12.250	-20.696 101		-52.4	8.7	-82.2	44.1	48.07191					29.8	24.3	98.91240	
7 -15.772	-20.064 106		-41.5	10.8	-83.4	49.3	49.94094			68.6	42.4	36.2	23.0	108.29132	6- 7
8 -15.740 9 -15.751	-23.675 102 -27.023 100		-29.6 -14.2	7.8 4.8	-81.9 -80.6	55.2 61.8	48.36170 47.16447						13.9	105.27671	
10 -12,419	-27.270 96		-20.3	4.1	-80.5	57.0	47.16447				53.2		5.0	97.59163 101.19072	
11 -9.342		2.00668	34.9	3.5	-80.7		44.36490						7.1	93.38982	
12 -6.996	-30.463 93		36.9	1.7	-80.8		41.45340		-82.2	57.5	58.8	2.7	-1.4	14.38741	11-12
13 -6.808 14 -6.599	-27.623 93 -24.658 95		-71.5	3.2			42.94288						6.6	85.56296	
15 -6.364	-21.501 98		-81.5 -84.5	4.5 5.8	-81.0 -80.9		44.45169 45.65645			63.2	48.3	14.9	23.2	89.42094 95.28354	
16 -6.093	-18.058 102	9.93774	-86.0	7.0	-80.6	27.5	47.21209							103.99194	
17 -8.836	-17.616 104	1.10561	-73.2	8.6	-81.6	33.0	48.29850			70.3	37.1	33.6	33.1	84.13876	
18 -12-186	-16.948 107		-60.4	10.9	-83.1		49.91114			71.2	36.8	37.4		103.39637	17-18
19 -15.860 20 -20.056	-16.039 112 -14.748 119		-50.2 -42.3	13.8	-85.1 -87.9		52.04651						32.5	114.45774	
21 -19.745	-19.199 112	8-40076	-33.8	13.8	-85.1	48.5 53.9	54.96322 52.42983	0.737	-102.3	74.2	38.1	50.3	30.3	132.42035	
24 -17.501	23.110 100	4.53942	-21.1	9.8	-82.9	59.7	50.58094	0.789	-100.2	66.3	48.5	39.2	10.9	111.90125	
23 -19.465	-26.710 106	0.77289		5.8	-81.0		49.20657	U・825	-77.4		55.8		2.0	102 50020	22-23
24 -19.441 25 -15.798	-30.105 105		2.8	1.8	-79.1	72.7	48.19425				59.0		-6.7	96.95579	
26 -12.521	-30.205 99 -30.299 95	9.92919	3.6 5.3	1.7	-79.2 -79.6	68.9 64.6	46.26725			59.0	58.5			110.38819	
27 -9.492		8.46507	10.0	1.7	-80.1		43.23847				58.4	17.8	-1.7 -1.1	99.27938 91.79006	
28 -6.996	-30.463 93		36.9		-80.8		41.45340			57.5		2.7	-1.4	75.65213	
JULY 31.19	064 13 HR 18	MIN 51	SEC 589	MS		TAB NO	118	ATL	AS PHOTO	NO	118		POD :	SEQUENCE N	0 242
	964 13 HR 18	MIN 51	SEC 589	MS			118	ATL	AS PHOTO	NO	118		POD :	SEQUENCE N	0 242
JULY 31,19		MIN 51	SEC 589	MS	SEC TO	IMPACT	ALT	LA	T LI	ON		R	v	PTH	AZ
TRAJECTOR	RY DATA	MIN 51	SEC 589	MS		IMPACT		LA	T LI	ON			v	•	AZ
	RY DATA				SEC TO 417.	IMPACT	ALT 919.5633	LA 9 -6.	T L: 252 -29	ON •851	26	55.019	v 2.209	PTH -70.394 1	AZ 16.258
TRAJECTOR PHOTO DAT PT LAT 1 -11-118	TA LON -19.552 101	RANGE 1.75664	AZS/C -26.5	MS AZN 6.4	SEC TO	IMPACT 210	ALT 919.5633	LA 9 -6.	T L: 252 -29 AZPHAZ	ON •851 INCD	26	55.019 EMIS	V 2.209	PTH -70.394 1 SCALE	AZ 16.258 PT-PT
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313	EY DATA  LON -19.552 101 -24.050 97	RANGE 1.75664 1.05367	AZS/C -26.5 -39.9	AZN 6.4 6.4	SEC TO 417. AZSUN -81.3 -81.4	IMPACT .210 AZA 56.0 50.1	ALT 919.5633 A* 46.75922 46.14866	B/A 0.897 0.918	T L: 252 -29 AZPHAZ -93.5 -90.2	ON •851 INCD 68.6 64.4	26: PHAZ 40-1 47-6	55.019 EMIS 30.9 23.4	V 2.209 ALPHA 27.7 15.4	PTH -70.394 1 SCALE 0. 138.23698	AZ 16.258 PT-PT 0- 1 1- 2
TRAJECTOR  PHOTO DAT  PT LAT  1 -11-118 2 -12-313 3 -9-360	LON -19.552 101 -24.050 97 -27.390 93	RANGE 1.75664 1.05367 1.39276	AZS/C -26.5 -39.9 -35.1	AZN 6.4 6.4 3.5	SEC TO 417. AZSUN -81.3 -81.4 -80.7	IMPACT 210 AZA 56.0 50.1 51.2	ALT 919.5633 A* 46.75922 46.14866 43.86503	B/A 0.897 0.918 0.989	T L: 252 -29 AZPHAZ -93.5 -90.2 -85.6	ON .851 INCD 68.6 64.4 60.7	26: PHAZ 40.1 47.6 53.2	EMIS 30.9 23.4 11.3	V 2.209 ALPHA 27.7 15.4 7.2	PTH -70.394 1 SCALE 0. 138.23698 133.67311	AZ 16.258 PT-PT 0- 1 1- 2 2- 3
TRAJECTOR  PHOTO DAT  PT LAT  1 -11-118  2 -12-313  3 -9-360  4 -9-205	LON	RANGE 1.75664 1.05367 1.39276 8.20149	AZS/C -26.5 -39.9 -35.1 -57.5	AZN 6.4 6.4 3.5 5.3	SEC TO 417. AZSUN -81.3 -81.4 -80.7 -81.1	IMPACT .210 AZA 56.0 50.1 51.2 44.3	ALT 919.5633 A* 46.75922 46.14866 43.86503 44.84909	LA 9 -6. 8/A 0.897 0.918 0.989	T LI 252 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2	ON •851 INCD 68.6 64.4 60.7 63.7	269 PHAZ 40.1 47.6 53.2 47.8	EMIS 30.9 23.4 11.3 17.5	V 2.209 ALPHA 27.7 15.4 7.2 15.6	PTH -70.394 1 SCALE 0. 138.23698 133.67311 90.20735	AZ 16.258 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTOR  PHOTO DAT  PT LAT  1 -11-118 2 -12-313 3 -9-360	LON -19.552 101 -24.050 97 -27.390 93 -24.376 94 -21.160 97 -20.687 100	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677	AZS/C -26.5 -39.9 -35.1	AZN 6.4 6.4 3.5	SEC TO 417. AZSUN -81.3 -81.4 -80.7	AZA 56.0 50.1 51.2 44.3 38.3	ALT 919.5633 A* 46.75922 46.14866 43.86503 44.84909 46.11760	LA 9 -6. 8/A 0.897 0.918 0.989 0.958	T L1 252 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8	DN •851 INCD 68.6 64.4 60.7 63.7 66.8	26: PHAZ 40.1 47.6 53.2 47.8 42.4	EMIS 30.9 23.4 11.3 17.5 25.2	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3	PTH -70.394 1 SCALE 0. 138.23698 133.67311 90.20735 96.30996	AZ 16.258 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
TRAJECTOR PHOTO DAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717	LON -19.552 101 -24.050 97 -27.390 93 -24.376 94 -21.160 97 -20.687 100 -20.064 104	RANGE 1.75664 1.05367 1.39276 8.20149 9.98599 5.02677 8.53113	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5	AZN 6.4 6.4 3.5 5.3 7.0 8.6 10.8	SEC TO 417. AZSUN -81.3 -81.4 -80.7 -81.1 -81.4 -82.2 -83.4	IMPACT •210 AZA 56•0 50•1 51•2 44•3 38•3 44•1 49•2	ALT 919.5633 A* 46.75922 46.14866 43.86503 44.84909	B/A 0.897 0.918 0.958 0.958 0.958 0.953	T LL 252 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.7	ON •851 INCD 68.6 64.4 60.7 63.7 66.8 67.6 68.6	26: PHAZ 40.1 47.6 53.2 47.8 42.4 42.1	EMIS 30.9 23.4 11.3 17.5 25.2 29.8 36.2	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0	PTH -70.394 1 SCALE 0. 138.23698 133.67311 90.20735	AZ 16.258 PT-PT 0- 1 1-2 2-3 3-4 4-5 5-6
TRAJECTOR PHOTO DAT PT LAT 1 -11.118 2 -12.313 3 -9.360 4 -9.205 5 -9.040 6 -12.235 7 -15.717 8 -15.686	LON -19,552 101 -24,050 97 -27,390 93 -24,376 94 -21,160 97 -20,687 100 -20,634 101	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5 -29.7	AZN 6.4 6.4 3.5 5.3 7.0 8.6 10.8 7.8	SEC TO 417. AZSUN -81.3 -81.4 -80.7 -81.1 -81.4 -82.2 -83.4 -82.0	IMPACT .210 AZA 56.0 50.1 51.2 44.3 38.3 44.1 49.2 55.1	ALT 919.5633' A* 46.75922 46.14866 43.86503 44.84909 46.11760 47.53759 49.38177 47.81861	B/A 0.897 0.918 0.989 0.958 0.913 0.872 0.815 0.863	T LL 252 -29 AZPHAZ -93.5 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2	ON .851 INCD 68.6 64.4 60.7 63.7 66.6 67.6 68.6 65.2	26: PHAZ 40-1 47-6 53-2 47-8 42-4 42-4 47-8	EMIS 30.9 23.4 11.3 17.5 25.2 29.8 36.2 30.8	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0 13.9	PTH -70.394 1 SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785	AZ 16.258 PT-PT 0- 1 1- 2 2+ 3 3- 4 4- 5 5- 6- 7 7- 8
TRAJECTOR PT LAT 1 -11.118 2 -12.313 3 -9.360 4 -9.205 5 -9.040 6 -12.235 7 -15.717 8 -15.686 9 -15.696	LON -19.552 101 -24.050 97 -27.390 93 -24.376 94 -21.160 97 -20.687 100 -20.064 104 -23.634 199	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5 -41.5	AZN 6.4 6.4 3.5 5.3 7.0 8.6 10.8 7.8 4.8	SEC TO 417. AZSUM -81.3 -81.4 -80.7 -81.1 -81.4 -82.2 -83.4 -82.0	IMPACT .210 AZA 56.0 50.1 51.2 44.3 38.3 44.1 49.2 55.1 61.5	ALT 919.5633' A* 46.75922 46.14866 43.86503 44.84909 46.11760 47.53759 49.38177 47.81861 46.62997	LA 9 -6. 8/A 0.897 0.918 0.989 0.958 0.913 0.872 0.872 0.863 0.896	T L: 252 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2	ON .851 INCD 68.6 64.4 60.7 63.7 66.8 67.6 68.6 65.2	26' PHAZ 40-1 47-6 53-2 47-8 42-4 42-4 47-8 53-2	EMIS 30.9 23.4 11.3 17.5 25.2 29.8 36.2 30.8 27.3	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0 13.9 5.1	PTH -70.394 1 SCALE 0- 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211	AZ 16.258 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
TRAJECTOR PHOTO DAT PT LAT 1 -11.118 2 -12.313 3 -9.360 4 -9.205 5 -9.040 6 -12.235 7 -15.717 8 -15.686	LON -19.552 101 -24.050 97 -27.390 93 -24.376 97 -21.160 97 -20.687 100 -20.064 104 -23.634 101 -26.944 95 -27.189 95	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313 0.88552 3.04721	A2S/C -26.5 -39.9 -35.1 -67.7 -52.4 -41.5 -29.7 -20.6	AZN 6.4 6.4 3.5 5.3 7.0 8.6 10.8 7.8 4.8	SEC TO 417.  AZSUN -81.3 -81.4 -80.7 -81.1 -81.4 -82.2 -83.4 -82.0 -80.6 -80.5	AZA 56.0 50.1 51.2 44.3 38.3 44.1 49.2 55.1 61.5 56.8	ALT 919.5633' A* 46.75922 46.14866 43.86503 44.84909 46.11760 47.53759 49.38177 47.81861 46.62997 45.07949	B/A 0.897 0.918 0.989 0.958 0.913 0.872 0.815 0.863 0.950	T LI 252 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8	INCD 68.6 64.4 60.7 63.7 66.8 67.6 68.6 65.2 62.1 61.3	26: PHAZ 40-1 47-6 53-2 47-8 42-4 42-1 42-4 47-8 53-2 53-0	EMIS 30.9 23.4 11.3 17.5 25.2 29.8 36.2 30.8 27.3 18.9	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0 13.9 5.1 6.8	PTH -70.394 1 SCALE 0.138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.02222	AZ 16.258 PT-PT 0- 1 1- 2 2- 3 3- 4- 5 5- 6 6- 7 7- 8 8- 9 9-10
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-686 9 -15-686 10 -12-402 11 -9-3860	LON -19-552 101 -24-050 97 -27-390 93 -24-376 97 -20-687 100 -20-684 104 -23-634 101 -26-944 99 -27-189 95 -27-390 92 -37-390 92 -37-390 92	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313 0.99313 0.88552 3.04721 1.39276	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5 -41.5	AZN 6.4 6.4 3.5 5.3 7.0 8.6 10.8 7.8 4.8	SEC TO 417. AZSUM -81.3 -81.4 -80.7 -81.1 -81.4 -82.2 -83.4 -82.0	IMPACT 210 AZA 56.0 50.1 51.2 44.3 38.3 44.1 61.5 56.8 51.2	ALT 919.5633' A* 46.75922 46.14866 43.86503 44.84909 46.11760 47.53759 49.38177 47.81861 46.62997	B/A 0.897 0.918 0.989 0.958 0.913 0.872 0.815 0.863 0.863 0.896 0.959 0.989	T LI 252 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8 -90.2	INCD 68.6 64.4 60.7 63.7 66.8 67.6 68.6 65.2 62.1 61.3	26: PHAZ 40-1 47-6 53-2 47-8 42-4 47-8 53-2 53-2	EMIS 30.9 23.4 11.3 17.5 25.2 29.8 36.2 30.8 27.3 18.9 11.3	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0 13.9 5.1 6.8 7.2	PTH -70.394 1 SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.02222 92.33808	AZ 16.258 PT-PT 0-11-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-696 9 -15-696 11 -9-360 12 -7-040 13 -6-854	LON -19-552 101 -24-050 97 -27-390 93 -24-376 94 -21-160 97 -20-687 100 -20-064 104 -23-634 101 -26-944 99 -27-189 93 -30-346 99 -27-59 92 -27-59 92	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.98552 3.04721 1.39276 0.22198	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5 -29.7 -14.3 -20.6 -35.1 34.4 -71.3	AZN 6.4 6.4 3.5 5.3 7.0 8.6 10.8 7.8 4.8 4.1 3.5 3.5	SEC TO 417.  AZSUN -81.3 -81.4 -80.7 -81.4 -82.0 -80.6 -80.6 -80.7 -80.7	IMPACT .210 AZA 56.0 50.1 44.3 38.3 44.2 55.1 61.5 51.2 53.0 46.5	ALT 919.5633' 46.75922 46.14866 43.86503 44.84909 46.11760 47.53759 46.11760 47.81861 46.62997 45.07949 43.86503 40.97750 42.46465	LA'9 -6. 8/A 0.897 0.918 0.958 0.913 0.872 0.815 0.863 0.863 0.959 0.969 0.969	T 252 -29  AZPHAZ -93.52 -85.6 -85.6 -85.2 -90.3 -95.2 -94.8 -90.2 -84.8	ON .851 INCD 68.6 64.4 60.7 63.7 66.8 67.6 68.6 62.1 61.3 60.7 57.6	269 PHAZ 40-1 47-6 53-2 47-8 42-4 42-1 42-4 53-2 53-0 53-8 53-8	EMIS 30.9 23.4 11.3 17.5 25.2 29.8 36.2 30.8 27.3 18.9 11.3	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0 13.9 5.1 6.8 7.2 -1.3	PTH -70.394 1 SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.1078 96.51211 100.02222 22.33608 113.10478 84.5941	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-686 9 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-854	LON -19-552 101 -24-050 97 -27-390 93 -24-376 94 -21-160 97 -20-064 104 -23-634 101 -26-944 99 -27-189 95 -27-390 93 -30-346 92 -27-539 92 -27-539 92 -27-539 92 -27-607 94	RANGE 1.75664 1.05367 8.20149 9.98959 5.02677 8.53113 0.99313 0.99313 0.99313 0.99216 0.99313 0.99313 0.99313	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5 -29.7 -14.3 -20.6 34.4 -71.3 -81.4	AZN 6.4 6.5 5.3 7.0 8.6 10.8 7.8 4.1 3.5 1.8 3.5	SEC TO 417.  AZSUM -81.3 -81.4 -80.7 -81.4 -82.2 -83.4 -82.0 -80.6 -80.7 -80.7 -80.7 -80.7 -80.7	IMPACT.210  AZA 56.0 1 50.1 2 44.3 38.3 44.1 49.2 1 61.5 56.8 2 53.0 46.5 38.6	ALT 919.5633' A. 6.75922 46.14866 43.86503 44.84909 46.11760 47.53759 49.38177 47.81861 46.62997 45.07949 43.86503 40.97750 42.46465	LA 9 -6. 8/A 0.897 0.918 0.958 0.913 0.875 0.815 0.863 0.896 0.989 0.989	T LI 252 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8 -90.2 -84.6 -82.2 -81.6	ON .851 INCD 68.6 64.4 60.7 66.8 67.6 68.6 67.6 68.6 60.7 57.6 60.4	26' PHAZ 40-1 47-6 53-2 47-8 42-4 42-4 47-2 53-0 53-2 58-8 48-3	55.019 EMIS 30.9 11.3 17.5 25.2 29.8 36.2 36.2 37.3 18.9 11.3 2.7 6.8	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0 13.9 5.1 6.8 7.2 -1.3 14.9	PTH 2-70-394 1 SCALE 0- 138-23698 133-67311 90-20735 96-30996 97-81285 107-04831 104-10785 96-51211 100-02222 92-335008 113-10478 84-59419 88-43066	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-686 9 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-648 14 -6-648 15 -6-6415	A LON -19.552 101 -24.050 97 -27.390 93 -24.376 94 -21.160 97 -20.687 100 -20.064 104 -23.634 101 -26.944 99 -27.399 93 -30.346 97 -27.539 92 -24.607 97 -21.484 97	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313 0.89552 3.04721 1.39276 0.22198 3.85616 0.16488 0.84076	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5 -29.6 -34.4 -71.3 -81.4	AZN 6.4 6.4 3.5 5.3 7.0 10.8 4.8 4.1 3.5 1.8 3.2 4.5	SEC TO 417.  AZSUN -81.3 -81.4 -80.7 -81.4 -82.0 -80.5 -80.7 -80.9 -81.0 -80.9	IMPACT.210  AZA 56.0 50.1 2 44.3 38.3 4.1 49.2 55.15 56.8 511.2 0 46.5 38.6 32.7	ALT 919.5633' 46.75922 46.14866 43.86503 44.84909 46.11760 47.53759 49.38177 47.81861 46.62997 45.07949 43.86503 40.97750 40.46465 43.95302 45.14635	LA' 9 -6. 8/A 0.897 0.918 0.958 0.958 0.913 0.815 0.815 0.815 0.959 0.969 0.969 0.987 0.987	T LI 252 -29 AZPHAZ -93.5 -90.5 -85.6 -85.6 -90.3 -90.3 -95.2 -94.8 -90.2 -85.6 -82.9 -81.6 -80.9	ON .851 INCD 68.6 64.4 60.7 63.7 66.8 67.6 68.6 65.2 62.1 61.3 60.7 57.6 60.4 63.2	26' PHAZ 40-1 47-8 42-4 42-4 47-8 53-0 53-0 53-0 53-6 48-3	55.019 EMIS 30.9 23.4 11.5 25.2 29.8 36.2 30.8 11.3 2.7 6.9 23.3	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0 13.9 5.1 6.8 7.2 -1.3 6.7 14.9 23.2	PTH 7-70.394 1  SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 104.10785 96.51211 100.0222 92.33808 113.10478 84.59419 88.43066 94.23161	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-686 9 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-854 14 -6-648 15 -6-415 16 -6-147 17 -8-860	A LON -19.552 101 -24.050 97 -27.390 93 -24.376 94 -21.160 97 -20.687 100 -20.064 101 -26.944 99 -27.189 95 -27.390 93 -30.346 92 -27.539 92 -24.607 92 -2	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313 0.99313 0.88552 3.04721 1.39276 0.22198 0.16488 0.164076 8.41309	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5 -29.7 -14.3 -20.6 34.4 -71.3 -81.4	AZN 6.4 6.5 5.3 7.0 8.6 10.8 7.8 4.1 3.5 1.8 3.5	SEC TO 417.  AZSUM -81.3 -81.4 -80.7 -81.4 -82.2 -83.4 -82.0 -80.6 -80.7 -80.7 -80.7 -80.7 -80.7	IMPACT.210  AZA 56.0 1 50.1 2 44.3 38.3 44.1 49.2 1 61.5 56.8 2 53.0 46.5 38.6	ALT 919.5633' A. 6.75922 46.14866 43.86503 44.84909 46.11760 47.53759 49.38177 47.81861 46.62997 45.07949 43.86503 40.97750 42.46465	LA 9 -6. 8/A 0.897 0.918 0.958 0.913 0.872 0.815 0.863 0.959 0.969 0.969 0.969 0.969 0.969 0.969	T L1252 -29  AZPHAZ -93.5 -90.2 -85.6 -85.2 -94.8 -90.3 -95.7 -95.2 -94.8 -90.2 -85.6 -80.0 -79.0	ON .851 INCD 68.6 64.4 60.7 63.7 66.8 67.6 68.6 65.2 62.1 61.3 60.7 57.6 60.4 63.2 66.3	26' PHAZ 40-1 47-6 47-8 42-4 47-8 53-0 53-2 53-8 53-6 48-3 43-9	55.019 EMIS 30.9 11.3 17.5 25.2 30.8 27.3 18.9 2.7 6.8 14.9 31.9	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 23.0 13.9 5.1 6.8 7.2 -1.3 6.7 14.9 23.2 31.7	PTH 2-70.394 1 SCALE 0- 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.02222 92.33808 13.10478 84.59419 88.43066 94.23161 102.81905	AZ 16.258 PT-PT 0- 1 1- 2 2+ 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-854 14 -6-648 15 -6-415 16 -5-147 17 -8-860	LON -10-552 101 -24-050 97 -27-390 93 -24-376 94 -21-160 97 -20-687 100 -23-634 101 -23-634 101 -23-634 99 -27-189 93 -30-346 92 -27-539 92 -24-607 94 -21-484 97 -17-641 102 -16-981 105	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313 0.88552 3.04721 1.39276 0.22198 3.85616 0.16468 0.16468 0.16468 9.50778	AZS/C -26.5 -39.1 -57.5 -67.7 -52.4 -41.5 -29.1 34.4 -71.3 -81.4 -85.9 -73.2	AZN 6.4 3.5 7.0 8.6 10.8 4.8 4.1 3.2 4.5 7.0 8.6	SEC TO 417.  AZSUN -81.3 -81.1 -81.4 -80.7 -81.1 -81.4 -82.2 -80.6 -80.7 -80.7 -80.7 -80.7 -80.7 -80.6 -81.6 -81.6	IMPACT.210  AZA 56-01 51-2 44-3 38-3 44-1 455-1 61-5 538-6 32-7 338-7	ALT 919.5633' 46.75922 46.14866 43.86593 46.11760 47.53759 49.38177 47.81861 46.62997 45.07949 43.86503 40.97750 42.46465 43.959302 45.14635 47.76045 49.35467	LA 9 -6 8/A 0.897 0.918 0.958 0.913 0.815 0.863 0.950 0.969 0.987 0.877 0.852 0.809	T L1252 -29  ALPHA 2 -93.5 -90.2 -85.6 -85.2 -94.8 -90.2 -94.8 -90.2 -85.6 -82.2 -84.8 -90.2 -95.7 -95.2 -97.9 -84.2 -90.3	ON .851 INCD 68.6 64.4 60.7 66.8 67.6 68.6 65.2 62.1 61.3 60.4 63.3 69.7 70.3	26: PHAZ 47.6 53.2 47.4 42.4 42.4 53.0 53.0 53.8 53.6 48.1 37.9 37.1	55.019 EMIS 23.4 11.3 17.5 229.8 36.2 30.8 27.3 11.3 2.7 6.8 23.3 31.6	V 2.209 ALPHA 27.7 15.6 27.7 15.6 24.3 23.0 13.9 6.8 7.1 6.8 7.2 1.3 6.7 14.9 231.7 33.1	PTH 2-70-394 1 SCALE 0- 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.02222 92.33808 113.10478 84.59419 88.43066 94.23161 102.81905 83.20605	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 6 -12-235 7 -15-717 8 -15-686 9 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-854 14 -6-648 15 -6-415 16 -5-147 17 -8-860 18 -12-172 9 -15-805	LON -19.552 101 -24.050 97 -27.390 93 -24.376 94 -21.160 97 -20.687 100 -20.064 101 -26.944 99 -27.189 92 -27.390 92 -24.607 92 -24.607 92 -24.607 92 -24.607 92 -24.607 92 -24.607 91 -15.641 102 -16.981 10.86 110	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313 0.88552 3.04721 1.39276 0.22198 0.84076 8.41309 9.50778 8.15992	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -41.5 -20.6 -35.1 34.4 -71.3 -84.9 -73.2 -60.4	AZN 6.4 3.5 5.3 7.0 8.6 10.8 4.1 3.5 1.8 4.1 3.5 5.0 8.6 10.8	SEC TO 417.  AZSUN -81.3 -81.4 -80.7 -80.7 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9	IMPACT 210 AZA 56.0 50.1 51.2 44.3 38.3 449.2 55.1 561.5 56.8 51.2 38.6 32.7 22.7 33.0 38.6 32.7 43.8	ALT 919-5633' 46-75922 46-14866 43.86503 44.84909 46-117-00 47-53759 49-38177 47-81861 46-62997 43.86503 40-97750 42-66455 43-95302 45-14635 46-68361 47-75045 49-35467 51-46034	LA 9 -6. 8/A 0.897 0.989 0.958 0.913 0.8672 0.863 0.896 0.969 0.969 0.986 0.989 0.885	T L. 252 -29  AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -84.8 -90.3 -95.7 -91.6 -80.9 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -96.3	ON .851 INC D 68.6 64.4 60.7 66.8 67.6 68.6 65.2 62.1 61.3 60.7 60.4 63.2 66.3 71.2 72.4	26: PHAZ 40.6 53.2 47.6 47.6 42.4 42.1 42.4 42.3 53.0 53.2 53.6 48.3 43.1 37.1 36.8	55.019 EMIS 23.4 11.5 25.2 29.8 27.3 18.9 11.3 6.8 12.7 6.8 12.3 6.8 14.9 33.6 43.0	V 2.205 ALPHA 27.7 15.6 24.3 24.3 24.3 24.3 24.3 24.3 24.3 23.0 5.1 6.8 7.2 -1.3 6.7 14.9 23.7 33.1 33.4	PTH 2-70.394 1 SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.0222 92.33808 81.310478 84.49066 94.23161 102.81905 83.20605 102.24017 113.12009	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-854 14 -6-648 15 -6-415 16 -5-147 17 -8-860	LON - 19-552 101 - 24-050 97 - 27-390 93 - 24-376 94 - 21-160 97 - 27-189 95 - 27-390 93 - 30.346 92: -27-539 92 - 24-607 91 - 21-484 97 - 21-484 97 - 21-484 97 - 18-079 101: -16-981 105-16-086 110-14-818 118	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313 0.49313 0.49313 0.49313 0.85516 0.16488 0.84076 8.41309 9.50778 8.41309 9.50778	AZS/C -26.5 -35.1 -57.5 -67.7 -62.4 -41.5 -29.7 -14.3 -20.6 -35.1 34.4 -71.3 -81.4 -85.9 -73.2 -60.4 -50.2	AZN 6.4 6.4 3.5 7.0 8.6 10.8 4.1 1.8 3.5 5.8 7.0 8.6 10.9 11.7	SEC TO 417.  AZSUN -81.3 -80.7 -81.1 -82.2 -80.6 -80.7 -80.9 -80.7 -80.9 -80.6 -83.1 -85.1 -85.1 -85.1 -87.9	IMPACT 210 AZA 56-0 50-1 44-3 38-3 44-1 49-2 55-1-5 51-5 53-5 38-6 27-6 33-7 43-8	ALT 919,5633' 46,75922 46,14866 43,86503 46,11760 47,53759 49,38177 47,81861 46,62997 45,07949 43,86503 40,97750 42,46465 43,95302 47,76045 49,35467 51,46034 54,32838	9 -6. 8/A 0.918 0.938 0.958 0.968 0.969 0.987 0.989 0.969 0.987 0.987 0.87	Z L L L L L L L L L L L L L L L L L L L	ON .851 INCD 68.6 64.4 60.7 66.8 67.6 68.6 65.2 62.1 60.7 57.6 63.2 66.3 70.3 71.2 72.4	26: PHAZ 40-1 47-6 53-2 47-8 42-4 47-8 53-2 53-3 53-3 43-1 37-1 37-1 37-2 38-1	55.019 EMIS9 23.4 117.5 25.8 236.8 278.9 218.9 26.8 278.9 218.9 23.7 24.9 23.3 24.8 25.8 26.8 27.9 26.8 27.9 26.8 27.9 26.8 27.9 26.8	V 2.209 AL PHA 27.7 15.6 24.3 24.3 24.3 23.0 13.9 5.1 6.8 7.2 -1.3 6.7 14.9 23.2 31.7 33.4 32.5	PTH 1-70.394 1 SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.02222 92.33808 113.10478 88.43066 94.23161 102.81905 83.20605 102.24017 113.12009	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-648 14 -6-648 15 -6-415 16 -6-147 17 -8-860 18 -12-172 19 -15-805 20 -19-948 21 -19-948	LON -19.552 101 -24.050 97 -27.390 93 -24.376 94 -21.160 97 -20.687 100 -20.064 101 -26.944 99 -27.189 92 -27.390 92 -24.607 92 -24.607 92 -24.607 92 -24.607 92 -24.607 92 -24.607 91 -15.641 102 -16.981 10.86 110	RANGE 1.75664 1.05367 1.39276 8.20149 9.9895 5.02677 8.53113 0.88552 3.04721 1.39276 0.22198 3.85616 0.16468 0.16468 8.41309 9.50778 8.15942 7.48666 4.20032 5.52789	AZS/C -26.5 -39.9 -35.1 -57.5 -67.7 -52.4 -41.5 -29.7 -14.3 -20.6 -35.1 34.4 -84.4 -84.4 -85.9 -73.2 -60.4 -33.3 -33.9	AZN 6.4 6.4 3.5 7.0 8.8 7.8 4.1 3.5 1.8 4.1 3.5 1.8 7.0 8.6 10.9 11.7 11.7	SEC TO 417.  AZSUN -81.4 -80.7 -81.4 -82.2 -83.4 -82.0 -80.5 -80.7 -80.7 -80.9 -81.6 -81.6 -83.1 -87.9 -85.1 -87.9 -85.1 -87.9 -85.1	IMPACT 210 AZA 56.0 50.1 51.2 44.3 38.3 449.2 55.1 561.5 56.8 51.2 38.6 32.7 22.7 33.0 38.6 32.7 43.8	ALT 919-5633' 46-75922 46-14866 43.86503 44.84909 46-117-00 47-53759 49-38177 47-81861 46-627947 43.86503 40-97750 42-46465 43.95302 45-14635 46-68361 47-76045 49-35407 51-46034 51-3636	8/A 0.897 0.898 0.998 0.918 0.913 0.815 0.815 0.815 0.863 0.989 0.989 0.989 0.989 0.987 0.987 0.987 0.987 0.987 0.987 0.987 0.978	T L. 252 -29  AZPHAZ -93.5 -90.2 -85.6 -85.2 -94.8 -90.3 -95.2 -94.8 -90.9 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79.0 -80.0 -79	ON .851 INCD 68.6 64.4 60.7 63.7 66.8 67.6 68.6 65.2 62.1 61.3 60.4 63.2 60.4 63.2 70.3 71.2 72.4	26: PHAZ 40-1 47-6 53-8 42-4 42-8 53-0 53-2 53-6 48-3 37-9 37-1 36-8 37-2 38-1	55.019 EMIS9 23.4 117.5 25.8 230.8 27.9 11.3 2.7 6.8 12.7 6.8 12.7 6.8 12.3 13.6 43.0 43.0 43.8	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 24.3 24.3 6.7 14.9 231.7 14.9 231.7 33.1 32.5 30.2	PTH 2-70.394 1  SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.02222 92.33808 113.10478 84.59419 88.43066 94.23161 102.81906 102.4017 113.12009 130.71369	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-854 15 -6-415 16 -6-147 17 -8-860 18 -12-172 19 -15-805 20 -19-948 21 -19-642 -22 -19-462	LON -10-552 101 -24-050 97 -27-390 93 -24-376 94 -21-160 97 -20-064 104 -23-634 109 -27-399 93 -30-346 92 -27-539 92 -24-607 94 -21-484 91 -17-641 102 -14-818 116 -14-818 116 -14-818 116 -14-818 116 -19-213 111 -23-084 104	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.99313 0.88552 3.04721 1.39276 0.22198 3.85616 0.16488 0.84076 8.41309 9.50778 8.41309 9.50778 8.45666 4.20032 2.16597	AZS/C -26.5 -39.9 -35.1 -57.5 -29.7 -41.5 -29.7 -14.3 -20.6 -35.1 -34.4 -84.4 -85.9 -73.2 -60.4 -50.2 -42.3 -33.9 -23.4 -11.0	AZN 6.4 6.4 3.5 3.7.0 8.6 10.8 7.8 4.1 3.5 8.7.0 10.9 13.7 17.7 9.8 5.8	SEC TO	IMPACT .210  AZA O	ALT 919-5633' A** 46.75922' 46-14866' 43.86503' 44.84909' 46-11760' 47-53759' 49-3817' 47-81861' 46-62997' 43-86503' 40-97750' 42-46465' 43-95302' 45-14635' 46-68361' 47-76045' 49-35467' 51-46036' 51-83160' 50-00314' 48-64046'	8/A 0.897 0.918 0.9918 0.913 0.872 0.815 0.863 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.987 0.879 0.8	T L: 252 -29  AZPHAZ: -93.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.2 -94.8 -90.3 -95.6 -82.2 -81.6 -80.9 -80.9 -80.0 -79.0 -84.2 -90.3 -96.3 -102.3 -102.3 -101.1 -100.2 -99.4	ON .851 INCD 68.6 64.4 66.7 63.7 65.8 65.2 61.3 60.4 65.2 66.3 71.2 72.4 70.0 66.3 66.3 66.3	26: PHAZ 40.1 453.2 47.8 42.4 42.4 47.8 53.0 53.6 43.1 37.9 36.8 37.1 43.3 43.3 48.3 83.8	55.019 EMIS 9 11.35 23.43 17.52 236.83 27.82 30.83 11.35 43.93 12.31 43.94 43.91 43.93 43.94 43.93	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 24.3 23.0 13.9 5.1 6.8 7.2 1.33.4 33.5 30.2 20.3 11.0	PTH 1-70.394 1 SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.02222 92.33808 113.10478 88.43066 94.23161 102.81905 83.20605 102.24017 113.12009	AZ 16.258 PT-PT 0-11-2 2-33-4-55-6-77-8 8-99-10 10-11-12-12-13-13-14-15-15-16-15-16-15-16-15-16-18-19-19-19-19-19-19-19-19-19-19-19-19-19-
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-6485 14 -6-6485 15 -6-415 17 -8-860 18 -12-172 19 -15-805 20 -19-948 21 -19-642 22 -19-948 23 -19-364 23 -19-364 4 -19-338	LON -19.552 101 -24.050 97 -27.390 93 -24.376 94 -23.634 101 -26.944 99 -27.539 92 -24.607 99 -27.539 92 -24.607 99 -18.079 105 -16.981 10	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.02677 8.53113 0.89552 3.04721 0.16488 0.16488 0.16488 0.16488 8.41309 9.50778 8.41309 9.50778 8.15942 7.448062 5.52789 2.16597 8.57292	AZS/C -26.5 9 -35.1 -57.5 -67.7 -52.4 -41.5 -29.7 14.3 -20.6 1.34.4 -85.9 -71.2 -60.4 -50.2 -60.4 -11.0 2.6	AZN 6.4 6.4 5.5 5.3 7.0 6 10.8 7.8 4.1 5 1.8 3.2 5.8 7.0 8.6 10.7 17.7 17.7 17.8 5.8 1.8	SEC TO 417.  AZSUN -81.3 -81.4 -82.0 -80.6 -80.7 -80.9 -80.6 -80.6 -80.7 -80.9 -80.6 -83.1 -87.9 -85.1 -87.9 -87.1 -87.9 -87.1	IMPACT 210 AZAO 50-12 44-3 38-3 44-1 61-5 55-1-6 61-5 38-7 48-8 53-7 48-5 53-7 48-5 65-7 48-5 65-7	ALT 919-5633' 46-75922 46-14866 43-86503 44-84909 46-11760 47-53759 49-38177 47-81861 46-62997 43-86503 40-97750 42-46465 43-955302 42-46465 43-955302 43-95	9 -6.  8/A 0.897 0.918 0.938 0.913 0.872 0.815 0.863 0.959 0.989 0.987 0.987 0.989 0.987 0.987 0.987 0.872 0.802	T L: 252 -29  ALPHAL -93.5 -90.2 -85.6 -85.2 -94.8 -90.3 -95.7 -95.2 -94.8 -90.3 -101.1 -100.2 -99.4 -	ON . 851 INCD 68.6 68.6 64.4 60.7 63.7 67.6 68.6 67.6 68.6 62.1 60.3 77.0 63.2 66.3 77.2 74.1 74.1 74.1 74.1 74.1 74.1 74.1 75.9 63.9	26' PHAZ 40.1 40.1 47.8 47.8 42.1 42.8 53.2 53.2 53.8 48.3 37.1 37.1 36.8 36.8 36.8 36.8 36.8	55.019 EMIS 9 117.52 117.52 236.83 125.28 123.30 123.33	V 2.209 ALPHA 27.7 15.4 7.2 15.6 24.3 23.0 13.9 5.1 6.8 7.3 6.7 14.9 23.2 31.7 33.4 32.5 30.2 21.0 2.1 -6.5	PTH -70.394 1 SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.01785 96.51211 100.0222 92.33808 113.10478 88.43066 94.23161 102.81905 83.20605 102.24017 113.12081 113.10478 94.23161 102.44017 113.1208	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 20-21 21-22 22-23 23-24
TRAJECTOR PHOTO DAT PT LAT 1 -11-118 2 -12-313 3 -9-360 4 -9-205 5 -9-040 6 -12-235 7 -15-717 8 -15-696 10 -12-402 11 -9-360 12 -7-040 13 -6-854 14 -6-648 15 -6-415 17 -8-860 15 -6-147 17 -8-80 16 -5-147 17 -8-80 20 -19-948 21 -19-642 21 -19-460 23 -19-336	LON -10-552 101 -24-050 97 -27-390 93 -24-376 94 -21-160 97 -20-064 104 -23-634 109 -27-399 93 -30-346 92 -27-539 92 -24-607 94 -21-484 91 -17-641 102 -14-818 116 -14-818 116 -14-818 116 -14-818 116 -19-213 111 -23-084 104	RANGE 1.75664 1.05367 1.39276 8.20149 9.98959 5.026773 8.53113 0.99313 0.88552 3.04721 1.39276 0.22198 3.85616 0.16468	AZS/C -26.5 -39.9 -35.1 -57.5 -29.7 -41.5 -29.7 -14.3 -20.6 -35.1 -34.4 -84.4 -85.9 -73.2 -60.4 -50.2 -42.3 -33.9 -23.4 -11.0	AZN 6.4 6.4 3.5 3.7.0 8.6 10.8 7.8 4.1 3.5 8.7.0 10.9 13.7 17.7 9.8 5.8	SEC TO	IMPACT .210  AZA O 1 2 44.3 3 44.1 2 55.5 56.6 61.2 0 327.6 61.2 0 327.6 61.2 0 327.6 72.4 68.8 59.5 772.4 68.8	ALT 919-5633' A** 46.75922' 46-14866' 43.86503' 44.84909' 46-11760' 47-53759' 49-3817' 47-81861' 46-62997' 43-86503' 40-97750' 42-46465' 43-95302' 45-14635' 46-68361' 47-76045' 49-35467' 51-46036' 51-83160' 50-00314' 48-64046'	8/A 0.897 0.918 0.998 0.958 0.913 0.872 0.863 0.896 0.987 0.987 0.987 0.862 0.987 0.873 0.872 0.873 0.873 0.873 0.874 0.873 0.874 0.989 0.969 0.969 0.969 0.969 0.967 0.969 0.96	T L: 252 -29 AZPHAZ: -33.5 -90.2 -85.6 -85.2 -84.8 -90.3 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.9 -80.0 -84.2 -90.3 -96.3 -102.3 -101.1 -100.2 -99.4 -98.7 -94.5	ON .851 INCD 68.6 64.4 60.7 63.7 67.6 66.8 67.6 66.3 69.7 71.2 66.3 71.2 74.1 70.0 63.0 75.9 75.6	26: PHAZ 40.1 53.2 47.8 42.1 42.4 42.3 42.3 42.3 43.3 53.0 53.6 43.1 37.1 37.1 37.1 37.1 43.3 53.8 5	55.019 EMIS9 117.528.28 117.528.28 117.528.28 111.75.28 111.76.89 112.3337.01 123.337.01 123.337.01 123.337.01	V 2.209  ALPHA 27.7  15.4  27.7  15.6  24.3  23.0  13.9  5.1  6.8  7.2  -1.3  6.8  7.2  -1.3  32.5  33.4  32.5  30.2  20.3  1.0  -6.5  -3.4	PTH 2-70.394 1  SCALE 0. 138.23698 133.67311 90.20735 96.30996 97.81285 107.04831 104.10785 96.51211 100.02222 92.33808 113.10478 88.43066 94.23161 102.81905 83.20605 102.4061 113.12009 130.71369 125.58677 110.624248	AZ 16.258 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25

		RA-VII CAMERA	FA			60
JULY 31,1964 13 HR 18 MIN 56 SEC	C 709 MS	TAB NO	119	ATLAS PHOTO NO	119 PO	D SEQUENCE NO 244
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LON	R V	
PHOTO DATA		412.090	908.90073		2644.356 2.2	13 -70.341 116.248
PT LAT LON RANGE AT	ZS/C AZN	AZSUN AZA	A• 8	A AZPHAZ INCD	PHAZ EMIS ALPH	IA SCALE PT-PT
1 -11.109 -19.570 1000.12390 -2		-81.3 55.9	46.22876 0.		40.2 30.8 27.	7 0. 0-1
	40.0 6.4 35.4 3.6	-81.4 50.0 -80.7 51.0	45.62700 0		47.6 23.4 15. 53.2 11.4 7.	3 132-18452 2- 3
	57.5 5.3	-81.1 44.3	44.34188 0		47.8 17.6 15.	7 89.20047 3- 4
5 -9.061 -21.146 968.95461 -6	67.7 7.0	-81.4 38.4	45.59824 0	913 -84.8 66.9	42.4 25.2 24.	3 95.23820 4-5
	52.4 8.6	-82.2 44.0	47.00237 0		42.1 29.8 24. 42.4 36.1 23.	
	41.6 10.7 29.8 7.8	-83.4 49.1 -82.0 54.9	48.82173 0. 47.27472 0.		42.4 36.1 23. 47.8 30.7 14.	
	14.5 4.8	-80.7 61.3	46.09481 0	. B91 -94.8 62.1	53.2 27.3 5.	2 95.43073 8- 9
	20.8 4.1	-80.6 56.6	44.56521 0	.950 -90.2 61.4	53.0 18.9 6.	
	35.4 3.6	-80.7 51.0	43.36449 0.		53.2 11.4 7. 58.8 2.7 -1.	
	31.9 1.8 71.1 3.2	-80.7 52.8 -80.9 46.4	40.50133 0. 41.98574 0.			
	81.2 4.5	-80.9 38.6	43.45363 0		48.3 15.0 15.	.0 87.43873 13-14
15 -6.466 -21.467 959.85863 -	84.3 5.8	-80.9 32.8	44.63546 0.	.937 -80.1 66.3		
	85.8 7.0	-80.6 27.8	46.15433 0	.878 -79.0 69.7	37.9 31.9 31. 37.1 33.5 33.	.7 101.64451 15-16 .0 82.27170 16-17
1, 0100, 1,100, 101,101,10	73.1 8.6 60.4 10.8	-81.6 33.1 -83.1 38.7	47.22152 0 48.79728 0		36.8 37.4 33.	
	50.2 13.7	-85.0 43.8	50.87335 0	.149 -96.3 72.4	37.2 42.9 32.	.4 111.78180 18-19
20 -19.840 -14.889 1170.35133 -	42.4 17.6	-87.8 48.4	53.69309 0	.666 -102.3 74.0	38.2 50.0 30.	
	34.0 13.6	-85.2 53.7	51.23274 0		43.3 43.7 20.	
	23.5 9.7	-83.0 59.4 -81.2 65.5	49.42592 0		48.5 39.0 11. 53.8 36.1 2	.2 100.29291 22-23
23 -19.263 -26.557 1036.36237 - 24 -19.236 -29.870 1029.31004	2.4 1.9	-79.4 72.1	47.06897 U		59.0 35.1 -6	
25 -15.683 -29.973 974.30670	3.2 1.8	-79.4 68.3	45.20313 0		58.5 26.3 -3	.3 107.64810 24-25
26 -12.484 -30.067 937.99044	4.6 1.8	-79.7 63.9	43.75407 0		58.3 17.7 -1	
27 -9.524 -30.155 917.02299 28 -7.084 -30.230 909.54383	8.6 1.8	-80.2 56.9 -80.7 52.8	42.25029 0 40.50133 0		58.5 9.4 -0	
28 -7.084 -30.230 909.54383						
20 1001 500250 101151505		-80.7 72.0	40.30133 0	.404 -02.2 31.1	58.8 2.7 -1	
		TAB NO	120	ATLAS PHOTO NO		D SEQUENCE NO 246
JULY 31,1964 13 HR 19 MIN 1 SE						
JULY 31,1964 13 HR 19 MIN 1 SE		TAB NO			120 PO	DD SEQUENCE NO 246
JULY 31,1964 13 HR 19 MIN 1 SE			120 AL T	ATLAS PHOTO NO	120 PO	D SEQUENCE NO 246
JULY 31,1964 13 HR 19 MIN 1 SE TRAJECTORY DATA PHOTO DATA	C 829 MS	TAB NO SEC TO IMPACT 406.970	ALT 898.22531	ATLAS PHOTO NO  LAT LON -6.325 -29.702	120 PO	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238
JULY 31,1964 13 HR 19 MIN 1 SE TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE A	C 829 MS	TAB NO SEC TO IMPACT 406.970 AZSUN AZA	ALT 898.22531	ATLAS PHOTO NO  LAT LON -6.325 -29.702 B/A AZPHAZ INCD	R 2633.681 2. PHAZ EMIS ALP	DD SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT
JULY 31,1964 13 HR 19 MIN 1 SE TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE A 1 -11.100 -19-588 988.47513 -	C 829 MS	TAB NO SEC TO IMPACT 406.970	ALT 898.22531	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .897 -93.5 68.6 .918 -90.2 64.9	R 2633.681 2. PHAZ EMIS ALP: 40.2 30.8 27 47.6 23.4 15	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT .7 0. 0-1 .5 134.44509 1-2
JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 - 2 -12.201 -23.958 949.07677 - 3 -9.395 -27.224 910.11933 -	C 829 MS	TAB NO SEC TO IMPACT 406.970  AZSUN AZA -81.4 55.7 -81.4 49.9 -80.7 50.9	ALT 898.22531 Ae 45.69724 0 45.10423 0 42.86316 0	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .897 -93.5 68.6 .918 -90.2 64.4 .989 -85.6 60.9	R 2633.681 2. PHAZ EMIS ALP 40.2 30.8 27 47.6 23.4 15 53.2 11.4 7	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT 7 0. 0-1 .5 134.44509 1-2 .4 130.69145 2-3
JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 -2 -12.221 -23.958 949.07677 -3 -9.395 -27.224 910.11933 -4 -9.244 -24.277 926.73403 -9.244 -24.277 926.73403	C 829 MS  AZS/C AZN  26.8 6.4  40.1 6.4  40.1 6.4  57.5 5.3	TAB NO SEC TO IMPACT 406.970  AZSUN AZA -81.4 55.7 -81.4 49.9 -80.7 50.9 -81.1 44.2	ALT 896.22531 A• 45.69724 0 45.10423 0 42.86316 0 43.83362 0	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .897 -93.5 68.6 .918 -90.2 64.4 .989 -85.6 60.9 .957 -85.2 63.8	R 2633.681 2. PHAZ EMIS ALP 40.2 30.8 27 47.6 23.4 15 53.2 11.4 7 47.8 17.6 15	PTH AZ 216 -70.288 116.238 HA SCALE PT-PT .7 0. 0-1 .5 134.44509 1-2 .4 130.69145 2-3 .7 88.19086 3-4
JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 - 2 -12.281 -23.958 949.07677 - 3 -9.395 -27.224 910.11933 - 4 -9.244 -24.277 926.73603 - 5 -9.083 -21.133 957.89222 -	225/C AZN 226.8 6.4 40.1 6.4 35.6 3.6 57.5 5.3	TAB NO SEC TO IMPACT 406.970  AZSUN AZA -81.4 55.7 -81.4 49.9 -80.7 50.9 -81.1 44-2 -81.4 38.4	ALT 898.22531 A+ 45.69724 0 45.10423 0 42.86316 0 43.83362 0 45.07760 0	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .918 -90.2 64.4 .918 -95.6 60.9 .957 -85.2 63.8 .913 -84.8 66.9	R 2633.681 2. PHAZ EMIS ALP 40.2 30.8 27 47.6 23.4 15 53.2 11.4 7 47.8 17.6 15 62.4 25.3 24	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT .7 0. 0-1 .5 134.44509 1-2 .4 130.69145 2-3 .7 88.19086 3-4 .3 94.16255 4-5
JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 -2 -12.281 -23.958 949.07677 -3 -9.395 -27.224 910.11933 -4 -9.244 -24.277 926.73403 -5 -9.083 -21.133 957.89222 -6 -12.206 -20.670 982.36566 -6 -12.206 -20.670 982.36566	C 829 MS  AZS/C AZN  C26.8 6.4  40.1 6.4  40.1 6.57.5 5.3  67.6 7.0  52.5 8.6	TAB NO SEC TO IMPACT 406.970  AZSUN AZA -81.4 55.7 -81.4 49.9 -80.7 50.9 -81.1 44.2	ALT 898-22531 Ae 45.69724 0 45.10423 0 42.86316 0 43.83362 0 45.07760 0 46.46577 0	ATLAS PHOTO NO  LAT LON -6.325 -29.702  8/A AZPHAZ INCD .897 -93.5 68.6 .918 -90.2 64.4 .989 -85.6 60.9 .957 -85.2 63.8 .913 -84.8 66.9 .872 -90.3 67.6 .816 -95.7 68.6	R 2633.681 2.  PHAZ EMIS ALP 40.2 30.8 27 47.6 23.4 15 53.2 11.4 7 47.8 17.6 15 42.4 25.3 24 42.1 29.8 24 42.1 29.8 24	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT .7 0. 0-1 .5 134.44509 1-2 .4 130.69145 2-3 .7 88.19086 3-4 .3 94.16255 4-5 .3 95.60702 5-6 .0 104.55742 6-7
JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 - 2 -12.281 -23.958 949.70677 - 3 -9.395 -27.224 910.11933 - 4 -9.244 -24.277 926.73403 - 5 -9.083 -21.133 957.89222 - 6 -12.206 -20.670 982.36566 - 7 -15.608 -20.064 1024.71849 -	C 829 MS  AZS/C AZN  C26.8 6.4  40.1 6.4  40.1 6.57.5 5.3  67.6 7.0  52.5 8.6	TAB NO SEC TO IMPACT 406.970  AZSUN AZA -81.4 55.7 -81.4 49.9 -80.7 50.9 -81.1 44.2 -81.4 38.4 -82.2 44.0 -83.4 49.0 -82.1 54.8	ALT 898.22531 Ae 45.69724 0 45.10423 0 42.86316 0 45.0776 0 46.46577 0 48.2031 0 46.72973 0	ATLAS PHOTO NO  LAT LON -6.325 -29.702  8/A AZPHAZ INCD .918 -90.2 64.4 .918 -90.2 64.4 .913 -84.6 66.9 .913 -84.8 66.9 .913 -84.8 66.9 .913 -84.8 66.9 .816 -95.7 68.6	120 PO  R  2633.681 2.  PHAZ EMIS AD.  40.2 30.8 27  47.6 23.4 15  53.2 11.4 7  47.8 17.6 15  42.4 25.3 24  42.1 29.8 24  42.4 36.1 23  47.8 30.7 14	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT -7 0. 0-1 -5 134.44509 1-2 -4 130.69145 2-3 -7 88.19086 3-4 -3 95.60102 5-6 -0 104.55742 6-7 -0 101.76161 7-8
JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 -2 -12.281 -23.958 949.70677 -3 -9.395 -27.224 910.11933 -4 -9.244 -24.277 926.73403 -5 -9.083 -21.133 957.89222 -6 -12.206 -20.670 982.36566 -7 -15.608 -20.064 1024.71849 -8 -15.576 -23.552 987.97360 -9 -15.585 -26.785 968.12607 -9 -15.585 -26.785 968.12607	ZS/C AZN ZS/C AZN ZS-C 6.4 40.1 6.4 35.6 3.6 67.6 7.0 52.5 8.6 41.7 10.7 30.0 7.8	TAB NO SEC TO IMPACT 406.970  AZSUN AZA -81.4 49.9 -80.7 50.9 -81.1 44.2 -81.4 38.4 -82.2 44.0 -83.4 49.0 -82.1 54.8 -80.8 61.1	ALT 898.22531 Ae 45.69724 0 45.10423 0 42.88316 0 43.83362 0 45.07760 0 46.46577 0 46.26031 0 46.772973 0 45.55885 0	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .897 -93.5 68.6 .918 -90.2 64.4 .989 -85.6 60.9 .957 -85.2 63.8 .913 -84.8 66.9 .812 -90.3 67.6 .816 -95.7 68.6 .864 -95.2 65.3	120 PO  R  2633.681 2.  PHAZ EMIS ALP  40.2 30.8 2.  47.6 23.4 15  53.2 11.4 7  47.8 17.6 15  42.4 25.3 24  42.1 29.8 24  42.1 36.1 23  47.8 30.7 1  453.2 27.3 5	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT
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JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 - 2 -12.281 -23.958 949.07677 - 3 -9.395 -27.224 910.11933 - 4 -9.244 -24.277 926.73403 - 5 -9.083 -21.133 957.89222 - 6 -12.206 -20.670 982.36566 - 7 -19.608 -20.064 1024.71849 - 8 -15.576 -23.552 987.97360 - 9 -15.585 -26.785 968.12607 - 10 -12.368 -27.026 931.28374 - 11 -9.395 -27.224 910.11993 - 12 -7.129 -30.114 898.85588 - 13 -6.947 -27.371 902.66945	ZS/C AZN 26.8 6.4 40.1 6.4 35.6 3.6 57.5 5.3 57.5 5.3 10.7 10.7 7.0 10.7 30.0 7.8 14.7 4.8	TAB NO SEC TO IMPACT 406.970  AZSUN AZA -81.4 55.7 -81.4 49.9 -80.7 50.9 -81.1 44.2 -81.4 38.4 -82.2 44.0 -83.4 49.0 -82.1 54.8 -80.8 61.1 -80.6 56.4	ALT 896.22531 Ae 45.69724 0 45.10423 0 42.86316 0 45.407760 0 46.46577 0 46.26031 0 46.77973 0 46.7973 0 46.7973 0 46.26316 0 46.46574 0 46.7973 0 46.7973 0 47.89816	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .897 -93.5 68.6 .918 -90.2 64.4 .989 -85.6 60.9 .957 -85.2 63.8 .913 -84.8 66.9 .816 -95.7 68.6 .816 -95.7 68.6 .816 -95.2 65.3 .897 -94.8 62.2 .950 -90.2 61.5 .959 -82.2 57.8 .969 -82.2 57.8	R R 2633.681 2. PHAZ EMIS AL 40.2 30.8 27 47.6 23.4 15 53.2 11.4 7 47.8 17.6 23.4 25 42.1 29.8 24 42.4 25.3 24 42.4 25.3 24 42.4 36.1 23 47.8 30.7 14 53.2 27.3 5 53.0 19.0 6 53.2 11.4 7 58.8 2.6 -1 53.6 2.6 -1 53.6 2.6 -7	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT 7 0. 0-1 .5 134.44509 1-2 .4 130.69145 2-3 .7 88.19086 3-4 .3 94.16255 4-5 .3 95.60702 5-6 .0 104.55742 6-7 .0 101.76161 7-8 .3 94.34627 8-9 .9 97.68193 9-10 .9 10.22983 10-11 .0 110.53428 11-12 .9 82.65348 12-13
JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 1 -11.100 -19-588 988.47513 - 2 -12.281 -23.958 949.07677 - 3 -9.395 -27.224 910.11933 - 4 -9.244 -24.277 926.73403 - 5 -9.083 -21.133 957.89222 - 6 -12.206 -20.670 982.36566 - 7 -15.608 -20.064 1024.71849 - 8 -15.576 -23.552 987.97360 - 9 -15.585 -26.785 968.12607 - 10 -12.308 -27.026 931.28374 - 11 -9.395 -27.224 910.11933 - 12 -7.129 -30.114 898.85588 13 -6.947 -27.371 902.66945 - 14 -6.745 -24.504 918.78621	ZS/C AZN 26.8 6.4 40.1 6.4 40.1 6.4 57.5 5.3 67.6 7.0 7.8 114.7 4.8 121.0 4.1 35.6 3.6 12.0 4.1 35.6 3.6 14.7 4.8 14.7 4.8 14.8 4.8	TAB NO SEC TO IMPACT 406.970  AZSUN ALA -81.4 55.7 -81.4 49.9 -80.7 50.9 -81.1 44.2 -81.4 49.0 -82.1 54.8 -80.8 61.1 -80.6 56.4 -80.7 50.9 -80.7 50.9 -80.7 52.5 -80.9 46.3 -80.9 38.7	ALT 898.22531 45.69724 0 45.10423 0 42.86316 0 43.83362 0 46.72973 0 46.72973 0 46.72973 0 46.72973 0 40.02494 0 41.50590 0 42.95328 0	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .997 -93.5 68.6 .918 -90.2 64.4 .999 -85.6 60.9 .997 -85.2 63.8 .913 -84.8 66.9 .816 -95.7 68.6 .864 -95.2 65.3 .897 -94.8 62.2 .987 -94.8 62.2 .989 -85.6 60.9 .987 -81.6 60.5 .987 -81.6 60.5	120 PO  R  2633.681 2.  PHAZ EMIS ALP  40.2 30.8 27  47.6 23.4 15  53.2 11.4 7  47.8 17.6 15  42.4 25.3 24  42.1 29.8 24  42.1 29.8 24  42.1 39.8 20  147.8 30.7 14  53.2 27.3 2  53.0 19.0 6  53.2 11.4 7  58.8 2.6 -1  53.6 7.0 6  48.3 15.0 15	V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT -7 0.4 509 1-2 4 130.69145 2-3 4 130.69145 2-3 3 94.16255 4-5 -3 95.60702 5-6 0 104.55742 6-7 -0 101.76161 7-8 -3 94.34627 8-9 97.68193 9-10 -4 90.22983 10-11 -9 97.68193 9-10 -10 1053428 11-12 -9 82.65348 12-13 -9 82.65348 12-13
JULY 31,1964 13 HR 19 MIN 1 SEITRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 - 2 -12.281 -23.958 949.07677 - 3 -9.395 -27.224 910.11933 - 4 -9.244 -24.277 926.73403 - 5 -9.083 -21.133 957.89222 - 6 -12.206 -20.670 982.36566 - 7 -15.608 -20.064 1024.71849 - 8 -15.576 -23.552 987.97360 - 9 -15.585 -26.785 968.12607 - 10 -12.368 -27.026 931.28374 - 11 -9.395 -27.224 910.11933 - 11 -9.395 -27.224 910.11933 - 12 -7.129 -30.114 898.85588 1 13 -6.947 -27.371 902.66945 - 14 -6.745 -24.504 918.78621 - 15 -6.517 -21.450 948.85591	ZS/C AZN 26.8 6.4 40.1 6.4 35.6 3.6 67.6 7.0 57.5 5.3 67.6 7.0 7.0 14.7 4.8 14.7 5.8 14.7 5.8	TAB NO  SEC TO IMPACT 406.970  AZSUN AZA -B1.4 55.7 -B1.4 49.9 -B0.7 50.9 -B1.1 44.2 -B1.4 38.4 -B2.2 44.0 -B3.4 49.0 -B2.1 54.8 -B0.8 61.1 -B0.6 56.4 -B0.7 50.9 -B0.7 50.9 -B0.9 38.7 -B0.9 38.7 -B0.9 38.7 -B0.9 38.7	ALT 898.22531 45.69724 0 45.10423 0 42.88316 0 43.83362 0 45.07760 0 46.46577 0 46.26031 0 46.72973 0 46.72973 0 46.72973 0 46.26316 0 46.72973 0	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .897 -93.5 68.6 .918 -90.2 64.4 .989 -85.6 60.9 .957 -85.2 63.8 .913 -84.8 66.9 .816 -95.7 68.6 .816 -95.7 68.6 .816 -95.2 65.3 .897 -94.8 62.2 .950 -90.2 61.5 .989 -85.6 60.9 .999 -82.2 57.8 .981 -80.9 .987 -81.6 60.5 .981 -80.9 .981 -80.9 .983 -80.9 .981 -80.9 .983 -80.1	120 PO  R  2633.681 2.  PHAZ EMIS AL  40.2 30.8 27  47.6 23.4 15  53.2 11.4 7  42.1 29.8 24  42.4 25.3 24  42.4 36.1 23  47.8 30.7 14  53.2 27.3 5  53.2 11.4 7  53.6 2.6 7.0 6  683.3 15.0 15  48.3 15.0 33  43.1 23.3 23	D SEQUENCE NO 246  V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT 7 0. 0-1 .5 134.44509 1-2 .4 130.69145 2-3 .7 88.19086 3-4 .3 94.16255 4-5 .0 101.76161 7-8 .3 94.34627 8-9 .9 97.68193 9-10 .4 90.22983 10-11 .0 10.53428 11-12 .9 82.65348 12-13 .0 86.4430 13-14 .3 92.12026 14-15
JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 - 2 -12.281 -23.958 949.07677 - 3 -9.395 -27.224 910.11933 - 4 -9.244 -24.277 926.73403 - 5 -9.083 -21.133 957.89222 - 6 -12.206 -20.670 982.36566 - 7 -15.608 -20.064 1024.71849 - 8 -15.576 -23.552 987.97360 - 9 -15.585 -26.785 968.12607 - 10 -12.388 -27.026 931.28374 - 11 -9.395 -27.224 910.11933 - 12 -7.129 -30.114 898.85588 - 13 -6.947 -27.371 902.66945 - 14 -6.745 -24.504 918.78621 - 15 -6.517 -21.450 948.85091 - 16 -6.256 -18.123 995.29784 -	C 829 MS  AZS/C AZN 26.8 6.4 40.1 6.4 35.6 3.6 67.6 7.0 7.8 21.0 4.1 35.6 3.6 29.3 1.8 770.9 3.2 81.0 4.5 84.2 5.8	TAB NO SEC TO IMPACT 406.970  AZSUN AZA -B1.4 55.7 -B1.4 49.9 -B0.7 50.9 -B1.1 44.2 -B1.4 38.4 -B2.2 44.0 -B3.4 49.0 -B3.4 49.0 -B3.4 49.0 -B3.4 56.4 -B0.8 56.4 -B0.8 32.9 -B0.8 32.9 -B0.8 32.9	ALT 898.22531 Ae 45.69724 0 45.10423 0 42.88316 0 44.83362 0 45.07760 0 46.46577 0 48.26031 0 46.72973 0 46.269316 0 40.02494 0 41.50590 0 41.50590 0 44.15399 0 44.12339 0 45.62368 0	ATLAS PHOTO NO  LAT	120 PO  R  2633.681 2.  PHAZ EMIS ALP  40.2 30.8 27  47.6 23.4 15  53.2 11.4 7  42.4 25.3 24  42.1 29.8 24  42.1 29.8 24  42.1 39.8 27  53.0 19.0 6  53.2 11.4 7  58.8 2.6 -1  53.6 7.0 6  48.3 15.0 15  43.1 23.3 23  37.9 31.9 31	V PTH AZ 216 -70.288 116.238  HA SCALE PT-PT -7 0.4 509 1-2 4 130.69145 2-3 4 130.69145 2-3 3 94.16255 4-5 -3 95.60702 5-6 0 104.55742 6-7 -0 101.76161 7-8 -3 94.34627 8-9 97.68193 9-10 -4 90.22983 10-11 -9 97.68193 9-10 -10 1053428 11-12 -9 82.65348 12-13 -9 82.65348 12-13
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JULY 31,1964 13 HR 19 MIN 1 SET TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE A 1 -11.100 -19.588 988.47513 - 2 -12.281 -23.958 949.07677 - 3 -9.395 -27.224 910.11933 - 4 -9.244 -24.277 926.73403 - 5 -9.083 -21.133 957.89222 - 6 -12.206 -20.670 982.36566 - 7 -15.608 -20.064 1024.71849 - 8 -15.576 -23.552 987.97360 - 9 -15.585 -26.785 968.12607 - 10 -12.308 -27.026 931.28374 - 11 -9.395 -27.224 910.11933 - 12 -7.129 -30.114 898.85588 - 13 -6.947 -27.371 902.66945 - 14 -6.745 -24.504 918.78621 - 15 -6.517 -21.450 948.85091 - 16 -6.256 -18.123 952.29784 - 17 -8.907 -17.693 1006.24134 - 18 -12.145 -17.050 1034.21939 - 19 -15.692 -16.182 1082.18021 - 20 -19.731 -14.960 1156.47151 - 21 -19.435 -19.241 1089.72733 - 22 -19.257 -23.017 1047.37317 - 23 -19.162 -26.482 1024.13724 - 24 -19.133 -29.754 1016.99937 - 25 -15.626 -29.857 962.82356 - 26 -12.465 -29.951 927.00404 - 27 -9.540 -30.0040 96.282356 -	ZS/C AZN 266.8 6.4 400.1 6.4 400.1 6.4 57.5 5.3 67.6 7.0 7.0 52.5 8.6 41.7 10.7 7.8 14.7 4.8 21.0 4.1 35.6 3.6 3.6 3.6 4.1 4.1 35.6 3.6 3.6 4.1 4.1 35.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	TAB NO  SEC TO IMPACT 406.970  AZSUN ALA -81.4 55.7 -81.4 49.9 -80.7 50.9 -81.1 44.2 -81.4 49.0 -82.1 54.8 -80.8 61.1 -80.6 56.4 -80.7 50.9 -80.7 52.5 -80.9 46.3 -80.9 46.3 -80.9 46.3 -80.9 38.7 -80.8 32.9 -80.6 27.9 -81.6 33.2 -83.1 38.7 -85.0 43.8 -87.8 53.6 -83.1 59.2 -81.2 65.2 -79.5 68.0	ALT 898.22531 45.69724 0 45.10423 0 42.86316 0 43.83362 0 46.45577 0 46.45577 0 46.45577 0 47.55885 0 47.56838 0 47.56838 0 48.23838 0 49.562368 0 49.56236 0 49.	ATLAS PHOTO NO  LAT LON -6.325 -29.702  B/A AZPHAZ INCD .897 -93.5 68.6 .918 -90.2 64.4 .999 -85.6 60.9 .997 -85.2 63.8 .913 -84.8 66.9 .816 -95.7 68.6 .864 -95.2 65.3 .897 -94.8 62.2 .997 -94.8 62.2 .997 -94.8 62.2 .997 -81.6 60.5 .997 -81.6 60.5 .987 -81.6 60.5 .987 -81.6 60.5 .987 -81.6 .652 -84.2 70.2 .888 -98.7 .61.6 64.8 .878 -79.0 69.6 .852 -84.2 70.2 .888 -98.7 .64.9 -93.3 .740 -101.1 69.3 .740 -101.1 69.3 .740 -101.1 69.4 .792 -100.2 66.4 .8878 -99.3 71.3 .740 -96.3 72.3 .740 -101.1 69.4 .791 -94.5 99.3 .888 -98.7 .991 -85.9 98.5	120 PO  R  2633.681 2.  PHAZ EMIS ALP  40.2 30.8 27  47.6 23.4 15  53.2 11.4 7  47.8 17.6 15  42.1 29.8 24  42.1 29.8 24  42.1 29.8 21  53.0 19.0 6  53.2 11.4 7  53.6 7.0 6  53.2 11.4 7  53.6 7.0 6  53.2 11.4 7  53.6 7.0 6  53.2 11.9 1  53.6 37.9 31.9 31  37.1 33.5 33  37.2 42.9 32  37.1 33.5 33  37.2 42.9 32  48.3 53.6 7.0 6  48.3 15.0 15  43.1 23.3 23  37.9 31.9 31  37.9 31.9 31  37.9 31.9 31  37.9 35.0 26  48.3 53.6 7.0 6  58.5 58.5 58.5 58.5 58.5 58.5 58.5 58.	D SEQUENCE NO 246  V PTH AZ  216 -70.288 116.238  HA SCALE PT-PT  -7 0. 0-1  -5 134.44509 1-2  -4 130.69145 2-3  -7 88.19086 3-4  -3 94.16255 4-5  -0 101.76161 7-8  -3 94.34627 8-9  -9 97.68193 9-10  -4 90.22983 10-11  -9 92.68193 9-10  -4 90.22983 10-11  -9 92.68193 9-10  -4 90.22983 10-11  -9 97.68193 9-10  -4 90.22983 10-11  -9 97.68193 9-10  -1 10.53428 11-12  -9 92.65348 12-13  -0 81.33466 16-17  -1 00.46546 15-16  -0 81.33466 16-17  -1 00.46546 15-16  -1 108.404049 18-19  -0 127.30917 19-20  -1 122.48255 20-21  -1 108.06312 12-22  -2 93.62072 23-24  -1 106.28054 24-25  -2 93.62072 23-24  -1 106.28054 24-25  -2 93.62072 23-24  -1 106.28054 24-25

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PHOTO DATA   NAME	TRAJECTORY	DATA														AZ
1 - 11.092 - 19.007 976.81023 - 27.0 6.4 - 81.4 55.5 \$ 5.51.6475 0.897 - 93.5 86.5 0.02 \$10.7 22.6 0.2 10.7 27.6 0.4 1.5 1.7 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	PHOTO DATA	١				401.	000	887.53696	-0.	362 - 29	.627	26.	22.992	2.220	-70.235.1	16,227
1 - 11.992 - 19.600 976.81023 - 22.00 6.4 - 81.4 55.5 45.16475 0.897 - 93.5 68.5 40.2 30.7 27.6 0. 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				AZS/C	AZN		AZA		B/A	AZPHAZ	INCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
3 -9.413 -27.142 899.45799 -35.9 3.6 -80.7 50.8 42.36105 0.989 -85.6 1.0 53.2 11.7 71.5 7.4 129.13468 1-5 4 5-1 -1.0 -24.1220 946.86524 -67.6 7.0 -81.4 38.4 44.55581 0.913 -84.8 66.9 42.4 25.3 24.3 93.08399 4-5 6 7-10.5 21.0 946.86524 -67.6 7.0 -81.4 38.4 44.55581 0.913 -84.8 66.9 42.4 25.3 24.3 93.08399 4-5 6 7-10.5 21.0 20.0 51 10.1 27.7 17.6 1.6 1.4 24.3 43.2499 0.957 -90.2 67.6 42.2 29.8 24.3 93.08399 4-5 6 7-10.5 21.0 20.0 51 10.1 27.7 17.7 15.5 8.9 2.7 18.5 21.0 20.0 51 10.1 27.7 17.7 17.6 1.5 2.7 1.5 2.7 2.7 1.5 2.7 2.7 1.5 2.7 2.7 1.5 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	1 -11.092	-19.607						45.16475	0.897	-93.5	68.5	40.2	30.7	27.6	0.	0- 1
								44.58043	0.918	-90.2	64.5	47.6	23.4			
5 - 9.104 - 21.120 946.80522 - 67.6 7.0 -81.4 38.4 4.55581 0.913 - 84.18 66.0 \$42.5 23. \$24.3 \$93.03599 \$-3.6 \$-12.191 - 20.662 97.09485 - 52.5 8.6 -82.2 44.0 \$47.09767 0.816 - 95.7 \$6.6 42.5 23.2 \$43.3 \$93.03599 \$-3.6 \$-3.6 \$-12.191 - 20.605 \$1012.77110 - 41.0 10.7 - 83.5 \$49.0 \$47.69767 0.816 - 95.7 \$6.6 42.5 23.0 \$23.0 \$103.30840 \$-7.6 \$-1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$1.5 \$	4 -9.264	-24.229									63.8	47.8	17.7			
5 - 12.191 - 20.662 970.99465 - 32.5 8.6 - 82.2 44.0 45.92796 0.872 - 90.5 67.6 42.1 29.8 24.3 94.49996 5- 67.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	5 -9.104	-21.120	946.80524	-67.6				44.55581	0.913	-84.8	66.9	42.4	25.3		93.08359	4- 5
8 - 15. 5.21 - 23. 5.11 976. 43002 - 30.1 7.8 - 82.1 54.6								45.92796	0.872	-90.2	67.6	42.1	29.8			
9 - 15 - 529 - 226 - 707 - 956 - 72128 - 14 - 9										-95.7						
10 - 12.351 - 24.945 920,37628 - 21.3 4.1 - 80.6 56.2 43.53419 0.950 - 90.2 61.6 53.0 19.0 7.0 96.50990 8-10 11 - 9.413 - 27.142 899,45799 388.15773 26.7 1.8 - 80.7 50.8 42.36105 0.998 - 85.6 61.0 53.2 11.5 7.4 897,1309 10-11 12 - 7.173 - 29.999 888.15773 26.7 1.8 - 80.7 50.8 3.2 - 80.9 46.3 40.25190 9.998 - 85.6 61.0 53.2 11.5 7.4 897,1309 10-11 13 - 6.993 - 27.287 892,03339 - 70.8 3.2 - 80.9 46.3 40.02519 0.998 - 81.6 60.6 53.6 7.1 7.0 81.68137 12-13 14 - 6.973 - 27.487 590,03741 - 80.9 4.6 - 80.9 38.7 4.02519 0.998 - 81.6 60.6 53.6 7.1 7.0 81.68137 12-13 15 - 6.993 - 17.121 949.55364 - 73.0 8.0 - 80.5 53.0 40.1393 0.081 - 80.9 63.4 48.1 51.1 15.1 15.1 85.44764 13-14 16 - 8.930 - 17.025 1022.20272 - 60.4 10.8 - 80.5 53.0 40.1393 0.083 - 84.2 60.0 37.9 31.8 31.7 99.28290 15-16 17 - 8.930 - 17.025 1022.20272 - 60.4 10.8 - 81.6 33.3 40.1393 0.083 - 84.2 60.0 37.9 31.8 31.7 99.28290 15-16 18 - 12.130 - 17.025 1022.20272 - 60.4 10.8 - 81.6 33.3 40.1393 0.083 - 84.2 13.6 30.0 30.9 37.1 18-19 19 - 15.635 - 16.231 1009.48056 - 50.3 13.6 - 89.1 38.7 47.67793 0.810 - 90.3 73.3 32.4 9.09977 11-19 19 - 15.635 - 16.231 1009.48056 - 50.3 13.6 - 89.1 38.7 47.67793 0.810 - 90.3 73.3 38.2 49.7 30.0 125.60054 19-20 21 - 19.337 - 19.256 1076.79063 - 34.1 13.5 - 85.2 53.5 50.03144 0.741 - 101.1 69.9 43.3 43.5 20.3 120.92624 20-21 21 - 19.156 - 22.988 1034.99717 - 23.7 9.56 - 89.1 29.93 2.7 1.9 -7.0 11.0 9.1 20.7 12.5 10.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	9 -15.529					-80.8	60.9			-95.2 -94.8						
11 - 7-,173 - 27-,142 8994.67379 - 35.9 3.6 -80.7 52.3 8	10 -12.351	-26,945	920.37628	-21.3												
13 -6.993 -24.787 892.05339 -70.8 3.2 -80.9 46.3 11.02519 0.988 -81.6 60.6 53.6 7.1 7.7 10 18.6000 11.1 14 -6.793 -24.453 908.0541 -180.9 4.6 -80.9 31.7 42.4520 4.981 -80.1 60.6 53.6 7.1 7.7 10 18.6000 11.1 15 -6.568 -21.434 937.82027 -84.1 5.8 -80.8 31.0 43.61027 0.937 -80.1 66.4 43.1 23.3 23.3 91.05969 14-15 61.6 -6.31.0 141.146 983.69875 -85.6 7.0 -80.5 28.0 45.0 91.8 4.8 4.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	11 -9.413	-27.142	899.45799	-35.9		-80.7	50.8	42.36105	0.989	-85.6	61.0	53.2	11.5	7.4	89.17309	10-11
14 -0.793 -24.493 908.00741 -80.9											58.0	58.8	2.6	-0.9		
15 - 5-588 - 21.434 937.82027 - 98-1 5.8 - 80.8 33.0 43.61027 0.937 - 80.1 66.4 43.1 23.3 23.3 91.0599 12-16 16 - 6-5.310 - 18.146 983.6987 5- 87.0 6.95 28.9 14.0 17.085 10.983.6987 5- 87.0 1.0 18.146 983.6987 5- 87.0 1.0 18.146 983.6987 5- 87.0 1.0 18.146 983.6987 5- 87.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18																
16 — 56 — 310 — 18.146 . 983 - 6875 — 85.6	15 -6.568	-21.434	937.82027	-84.1							66.4	43.1	23.3	23.3		
11			983-69875	-85.6	7.0	-80.5	28.0	45.09184	Q.878	-79.0	69.6	37.9	31.8	31.7		
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		-17.721	994.56364		8.6	-81.6	33.3	46.13934	0.853	-84.2	70.2	37.1	33.5	33.0	80.39517	16-17
20 -19-622 -15-032 1142:56786 -42.5 17.4 -87.8 48.3 52.41856 0.669 -102.3 73.9 38.2 97. 30.0 125.00851 19-19 1-19-312 -19-256 1076.7908.3 -34.1 13.5 -85.2 53.5 50.03144 0.741 0.11 0.99.4 3.3 43.5 0.3 20.0 20222 20-21 22 -19-156 -22.985 1034.9717 -23.7						-83.1	38.7			-90.3	71.1	36.8	37.3	33.3	98.75587	17-18
21 -19.332 -19.256 1076.79063 -34.1 13.5 -85.2 53.5 50.03144 0.781 -101.1 69.9 43.3 43.5 70.3 120.0922 20-21 22 -19.156 -22.985 1034.971.7 -23.7 'v. 6 -83.1 3 -9 v. 0 -20.2775 0.781 (10.2) 25.4 8.5 78 0.11 1 10.1.77700 21-23 -19.061 -26.407 1011.89860 -11.4 5.8 -81.3 65.0 46.93875 0.828 -99.4 63.2 53.8 35.9 2.4 97.9763 22-24 25 -15.569 -29.742 951.32993 2.7 1.9 -79.6 67.1 44.13713 0.917 -94.5 59.4 88.5 26.2 -3.0 104.9147 24-25 61.5 569 -29.9742 951.32993 2.7 1.9 -79.6 67.7 44.13713 0.917 -94.5 59.4 88.5 26.2 -3.0 104.9147 24-25 627 -9.556 -29.925 895.53648 7.2 1.8 -80.2 56.4 41.26070 0.992 -85.9 58.8 58.5 26.2 -3.0 104.9147 24-25 627 -9.556 -29.925 895.53648 7.2 1.8 -80.2 56.4 41.26070 0.992 -85.9 58.8 58.5 3.7 -1.3 94.61792 25-22 8 -7-173 -29.999 888.15773 26.7 1.8 -80.7 52.3 39.54827 0.986 -82.2 58.0 58.8 2.6 -0.9 72.20020 27-28 28 -7-173 -29.999 888.15773 26.7 1.8 -80.7 52.3 39.54827 0.986 -82.2 58.0 58.8 2.6 -0.9 72.20020 27-28 70.000 7											72.3	37.2	42.8			
22 -19.156 - 22.985 1034,94717 - 23.7 9.6 -83.1 97.0 90.2073 27.73 100.2 0.7.73 100								50.03144	0.741	-101.1	69.9	43.3	43.5	20.3		
23 -19.061 -26.407 1011.89860 -11.4 5.8 -81.3 65.0 46.93875 0.828 -99.4 63.2 53.8 35.9 2.4 97.77603 22-23 42 -19.031 -29.638 1004.68201 2.0 2.0 -79.6 71.4 45.94258 u.849 -98.7 60.2 59.0 34.9 -6.1 92.50815 23-24 25 -15.569 -29.742 951.32993 2.7 1.9 -79.6 67.7 44.13713 0.917 -94.5 59.4 58.5 26.2 -3.0 104.91437 24-25 26 -12.446 -29.836 916.00801 3.9 1.8 -79.8 63.3 42.72871 0.970 -90.2 58.8 58.3 51.7 7 -1.3 94.61792 25-26 27 -9.556 -29.925 895.53648 7.2 1.8 -80.2 56.4 41.26070 0.992 -85.9 58.8 58.5 9.4 -0.7 87.58680 26-27 88.7 1.7 1.3 94.61792 25-26 8.5 1.7 1.7 1.3 94.61792 25-26 8.5 1.7 1.7 1.3 94.61792 25-26 8.5 1.7 1.7 1.3 94.61792 25-26 8.5 1.7 1.7 1.3 94.61792 25-26 9.5 1.8 1.7 1.3 94.61792 25-26 9.5 1.8 1.8 1.7 1.3 94.61792 25-26 9.5 1.8 1.8 1.7 1.3 94.61792 25-26 9.5 1.8 1.8 1.7 1.3 94.61792 25-26 9.5 1.8 1.8 1.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8		-22.985	1034.94717		4.6	-63.1		40.20745	0.793	100.2	55.4	49.5	30 0			
25 - 15.569 - 29.742 951.32993 2.7 1.9 - 79.6 67.7 44.13713 0.917 - 04.5 59.4 61.5 26.7 3.6 104.91437 24-25 26 - 12.446 - 29.836 916.00801 3.9 1.8 - 779.8 63.3 42.72871 0.917 - 04.5 59.4 61.5 26.7 3.8 104.91437 24-25 26 27 - 9.556 - 29.925 895.53648 7.2 1.8 -80.2 56.4 41.26070 0.992 - 85.9 58.3 58.5 9.4 - 0.7 34.8632 62-27 28 - 77.173 - 29.999 888.15773 26.7 1.8 -80.7 52.3 39.54827 0.968 - 82.2 58.0 58.8 2.6 - 0.9 72.20020 27-28 20.0 28.1 29.0 20.0 27.2 20.0 27.		-26.407	1011.89860												97.97603	22-23
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TRAJECTORY DATA    SEC 10 IMPACT   ALT   LON   RANGE   AZS/C   AZS   AZSUN   A	287.173	-29.999	888.15773	26.7	1.8	-80.7	52.3									
TRAJECTORY DATA    SEC 10 IMPACT   376.83562   -6.399   -29.551   2612.291 2.223   -70.181   16.217							TAD NO.	100								
PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA A** B/A AZPHAZ INCD PHAZ EMIS ALPHA 0.0-11.083 -19.625 965.12919 -27.1 6.4 -81.5 55.4 44.63146 0.997 -93.5 68.5 40.3 30.7 27.6 0. 0-1 2-12.220 -23.867 927.01601 -40.4 6.4 -81.5 55.4 44.63146 0.997 -93.5 68.5 40.3 30.7 27.6 0. 0-1 30.70462 1-2 3 -9.411 -27.059 888.78216 -36.1 3.6 -80.7 50.6 41.85827 0.999 -85.6 61.1 53.2 11.6 7.5 127.69472 2-3 4. 9-2283 -24.180 905.18643 -57.6 5.3 -81.1 44.1 42.81840 -95.7 68.5 40.3 30.7 27.6 0. 0-1 17.7 15.8 61.6498 3-4 5 -9.125 -21.107 935.69991 -67.5 7.0 -81.4 38.4 44.03315 0.912 -84.8 66.9 42.4 25.3 24.3 92.00258 4-5 6-12.177 -20.655 959.60513 -52.5 8.6 -82.2 43.9 45.38925 0.872 -90.2 67.6 42.2 29.8 24.3 93.39111 5-6 6-12.177 -20.655 959.60513 -52.5 8.6 -82.2 43.9 45.38925 0.872 -90.2 67.6 42.2 29.8 24.3 93.39111 5-6 8-15.466 -23.471 94.67106 -30.2 7.7 -82.1 54.5 45.63693 0.864 -95.2 65.3 47.8 30.6 14.1 99.40172 7-8 9 -15.466 -23.471 94.67106 -30.2 7.7 -82.1 54.5 45.63693 0.864 -95.2 65.3 47.8 30.6 14.1 99.40172 7-8 9 11 -9.431 -27.059 888.78216 -36.1 3.6 -80.7 50.6 41.8567 0.999 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 1-9.431 -27.059 888.78216 -36.1 3.6 -80.7 50.6 44.48471 0.898 -94.8 62.3 53.2 27.2 5.5 92.17010 8-9 10 -12.334 -26.865 99.45392 -21.5 4.1 -80.7 56.0 43.01758 0.950 -90.2 61.6 53.0 19.0 7.1 95.33691 9-10 12.334 -26.865 99.204 881.42393 -70.6 3.2 -80.8 46.2 40.54970 0.998 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12.3 7.099 -87.0 888 -87.0 88.1 4.9 80.7 50.6 41.8567 0.999 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12.1 10.1 16.1074 -60.4 10.8 -83.1 38.8 47.19607 0.991 -80.6 60.7 53.6 7.2 7.0 80.70825 12-13 14 -5.842 -24.402 897.33303 -80.7 4.6 -80.9 80.6 44.48471 0.898 -94.8 62.3 53.2 27.2 5.5 92.17010 8-9 11.9 -43.1 -27.059 888.78216 -36.1 3.6 -80.7 50.6 41.8567 0.999 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12.1 10.1 16.1074 -60.4 10.8 -83.1 38.8 47.19608 -80.6 60.7 53.6 7.2 7.0 80.70825 12-13 11.5 -60.6 41.8567 0.999 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12.5 -50.5 80.0 80.7 50.6 41.8567 0.999 -85.6 61.1 53.2 11.5	JULY 31,196	4 13 HF	19 MIN 12	SEC 69	MS		IAB NU	122	AIL	AS PHOTO	NO	122		POD S	SEQUENCE NO	250
PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA A** B/A AZPHAZ INCD PHAZ EMIS ALPHA 0.0-11.083 -19.625 965.12919 -27.1 6.4 -81.5 55.4 44.63146 0.997 -93.5 68.5 40.3 30.7 27.6 0. 0-1 2-12.220 -23.867 927.01601 -40.4 6.4 -81.5 55.4 44.63146 0.997 -93.5 68.5 40.3 30.7 27.6 0. 0-1 30.70462 1-2 3 -9.411 -27.059 888.78216 -36.1 3.6 -80.7 50.6 41.85827 0.999 -85.6 61.1 53.2 11.6 7.5 127.69472 2-3 4. 9-2283 -24.180 905.18643 -57.6 5.3 -81.1 44.1 42.81840 -95.7 68.5 40.3 30.7 27.6 0. 0-1 17.7 15.8 61.6498 3-4 5 -9.125 -21.107 935.69991 -67.5 7.0 -81.4 38.4 44.03315 0.912 -84.8 66.9 42.4 25.3 24.3 92.00258 4-5 6-12.177 -20.655 959.60513 -52.5 8.6 -82.2 43.9 45.38925 0.872 -90.2 67.6 42.2 29.8 24.3 93.39111 5-6 6-12.177 -20.655 959.60513 -52.5 8.6 -82.2 43.9 45.38925 0.872 -90.2 67.6 42.2 29.8 24.3 93.39111 5-6 8-15.466 -23.471 94.67106 -30.2 7.7 -82.1 54.5 45.63693 0.864 -95.2 65.3 47.8 30.6 14.1 99.40172 7-8 9 -15.466 -23.471 94.67106 -30.2 7.7 -82.1 54.5 45.63693 0.864 -95.2 65.3 47.8 30.6 14.1 99.40172 7-8 9 11 -9.431 -27.059 888.78216 -36.1 3.6 -80.7 50.6 41.8567 0.999 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 1-9.431 -27.059 888.78216 -36.1 3.6 -80.7 50.6 44.48471 0.898 -94.8 62.3 53.2 27.2 5.5 92.17010 8-9 10 -12.334 -26.865 99.45392 -21.5 4.1 -80.7 56.0 43.01758 0.950 -90.2 61.6 53.0 19.0 7.1 95.33691 9-10 12.334 -26.865 99.204 881.42393 -70.6 3.2 -80.8 46.2 40.54970 0.998 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12.3 7.099 -87.0 888 -87.0 88.1 4.9 80.7 50.6 41.8567 0.999 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12.1 10.1 16.1074 -60.4 10.8 -83.1 38.8 47.19607 0.991 -80.6 60.7 53.6 7.2 7.0 80.70825 12-13 14 -5.842 -24.402 897.33303 -80.7 4.6 -80.9 80.6 44.48471 0.898 -94.8 62.3 53.2 27.2 5.5 92.17010 8-9 11.9 -43.1 -27.059 888.78216 -36.1 3.6 -80.7 50.6 41.8567 0.999 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12.1 10.1 16.1074 -60.4 10.8 -83.1 38.8 47.19608 -80.6 60.7 53.6 7.2 7.0 80.70825 12-13 11.5 -60.6 41.8567 0.999 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12.5 -50.5 80.0 80.7 50.6 41.8567 0.999 -85.6 61.1 53.2 11.5	TOALECTOR															
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2 - 11.083 - 19.625   955.12919 - 27.1   6.4 - 81.5   55.4   44.63146   0.897   - 93.5   68.5   40.3   30.7   27.6   0.   0-1   2 - 12.250   - 23.867   927.01601   - 40.4   6.4   - 81.5   59.6   44.05580   0.918   - 90.2   64.5   47.6   23.4   15.6   130.70662   1-2   3 - 9.431   - 27.059   888.78216   - 36.1   3.6   - 80.7   50.6   41.85827   0.899   - 85.6   61.1   53.2   11.6   7.5   127.69472   2-3   4 - 9.283   - 24.180   905.18643   - 57.6   5.3   - 81.1   44.1   42.81862   0.957   - 85.2   63.9   47.8   17.7   15.8   86.16498   3-4   5 - 9.125   - 21.107   935.69991   - 67.5   7.0   - 81.4   38.4   44.03315   0.912   - 84.6   66.9   42.4   25.3   24.3   93.39111   5-6   6 - 12.177   - 20.655   959.60513   - 52.5   86   - 82.2   43.9   47.13419   0.816   - 95.7   68.6   42.5   30.0   23.0   102.05825   6-7   7 - 15.497   - 20.066   1000.80698   - 41.8   10.6   - 83.5   48.9   47.13419   0.816   - 95.7   68.6   42.5   30.0   23.0   102.05825   6-7   8 - 15.466   - 23.471   946.87106   - 30.2   7.7   - 82.1   54.5   48.8   44.634319   0.816   - 95.2   65.3   47.8   30.6   14.1   99.40172   7-8   10 - 12.334   - 26.865   999.45392   - 21.5   4.1   - 80.7   50.6   41.85827   0.99   - 85.6   61.1   53.2   11.6   7.5   82.1108	PT LAT	LON		AZS/C		AZSUN	AZA	A+	B/A	AZPHAZ	INCD	PHAZ	EMIS	AI PHA		PT-PT
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6 -12-177 - 20.655					3.6	-81.5 -80.7	49.6 50.6	44.05580 41.85827	0.897 0.918 0.989	-90.2 -85.6	64.5 61.1	47.6 53.2	23.4	27.6 15.6 7.5	0. 130.70462 127.69472	1- 2 2- 3
8 -15.466 -23.471 944.87106 -30.2 7.7 -82.1 54.5 45.63693 0.664 -95.2 65.3 47.8 30.6 14.1 99.40172 7-8 9 -15.473 -26.628 945.30246 -15.1 4.8 -80.9 60.6 44.48471 0.898 -94.8 62.3 53.2 27.2 5.5 92.17010 8-9 15.473 -26.628 945.30246 -15.1 4.8 -80.7 56.0 43.01758 0.950 -90.2 61.6 53.0 19.0 7.1 95.33691 9-10 11 -9.431 -27.059 888.78216 -36.1 3.6 -80.7 56.6 41.85827 0.989 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12 -7.218 -29.883 877.44912 24.2 1.8 -80.7 50.6 41.85827 0.989 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 13 -7.039 -27.204 881.42393 -70.6 3.2 -80.8 46.2 40.54379 0.988 -81.6 60.7 53.6 72.2 7.0 80.70825 12-13 14 -5.842 -24.402 897.33303 -80.7 4.6 -80.9 38.7 41.95007 0.981 -80.9 63.5 48.4 15.1 15.1 84.44930 13-14 15 -6.842 -24.402 897.33303 -85.5 7.1 -80.5 28.2 44.55922 0.878 -79.0 64.4 43.1 23.3 23.3 89.99725 14-15 16 -6.364 -18.169 972.08233 -85.5 7.1 -80.5 28.2 44.55922 0.878 -79.0 64.4 43.1 23.3 23.3 89.99725 14-15 16 -17.121 1010.16704 -60.4 10.8 -83.1 38.8 47.11668 0.811 -90.3 71.1 36.8 37.5 23.9 79.45405 16-17 18 -12.116 -17.121 1010.16704 -50.4 10.8 -83.1 38.8 47.11668 0.811 -90.3 71.1 36.8 37.5 23.9 79.45405 16-17 19.228 -19.271 10.03.84064 -3.5 25.5 17.2 -87.7 48.2 51.7803 0.071 10.2 37.8 38.2 49.6 29.9 123.91238 19-20 19.513 -15.104 1128.65521 -42.5 17.2 -87.7 48.2 51.7803 0.071 10.2 37.8 38.2 49.6 29.9 123.91238 19-20 19.228 -19.271 10.03.84064 -3.4 2.3 9.6 -83.2 58.9 47.68717 0.794 -100.2 66.4 48.6 38.8 11.2 105.4898 2122 11.9 228 -19.271 10.03.84064 -3.4 2.3 9.6 -83.2 58.9 47.68717 0.794 -100.2 66.4 48.6 38.8 11.2 105.4898 2122 11.9 228 -19.271 10.03.84064 -3.2 9.6 -83.2 58.9 47.68717 0.794 -100.2 66.4 48.6 38.8 11.2 105.4898 2122 11.9 228 -19.271 10.03.84064 -3.4 2.9 9.6 -83.2 58.9 47.68717 0.794 -100.2 66.4 48.6 38.8 11.2 105.4898 2122 11.9 228 -19.271 10.03.84064 -3.4 2.9 9.6 -83.2 58.9 47.68717 0.794 -100.2 66.4 48.6 38.8 11.2 105.4898 2122 11.9 22.9 9.5 22.0 99.2 3880 1.9 2.0 -79.7 7 7 7 7 1.1 45.37895 0.850 -98.7 60.3 59.0 34.8 5.9 91.35211 23.2 42.1 10.9 10.35493 24-25 59.5 11.9 2.0		-21.107		-57.6	3.6 5.3	-81.5 -80.7 -81.1	49.6 50.6 44.1	44.05580 41.85827 42.81436	0.897 0.918 0.989 0.957	-90.2 -85.6 -85.2	64.5 61.1 63.9	47.6 53.2 47.8	23.4 11.6 17.7	27.6 15.6 7.5 15.8	0. 130.70462 127.69472 86.16498	1- 2 2- 3 3- 4
9 - 15.473 - 26.628 945.3024 - 15.1 4.8 - 80.9 60.6 44.4871 0.898 - 94.8 62.3 53.2 27.2 5.5 92.17016 8- 9 10 - 12.334 - 26.865 909.45392 - 21.5 4.1 - 80.7 56.6 3.01758 0.950 - 90.2 61.6 53.0 19.0 7.1 95.33691 9-10 11 - 9.431 - 27.059 888.78216 - 36.1 3.6 - 80.7 50.6 41.8527 0.989 - 85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12 - 7.218 - 29.883 877.44912 24.2 1.8 - 80.7 52.1 39.07131 0.968 - 82.2 58.1 58.8 2.6 - 0.8 107.95625 11-12 13 - 7.039 - 27.204 881.4293 - 70.6 3.2 - 80.8 46.2 40.54379 0.988 - 81.6 60.7 53.6 72. 7.0 80.70825 12-13 14 - 5.842 - 24.402 897.33303 - 80.7 4.6 - 80.9 38.7 44.95007 0.981 - 80.9 63.5 48.4 15.1 15.1 84.44930 13-14 15 - 5.610 - 21.1419 926.77258 - 83.9 5.9 -80.8 33.1 43.95007 0.981 - 80.9 63.5 48.4 15.1 15.1 84.44930 13-14 16 - 5.364 - 18.169 972.08233 - 85.5 7.1 - 80.5 28.2 44.55922 0.878 - 79.0 69.6 37.9 31.8 31.6 98.09825 15-16 17 - 8.954 - 17.748 982.86726 - 73.0 8.6 - 81.6 33.3 44.9536 0.937 - 80.1 66.4 43.1 23.3 23.3 89.09725 14-15 18 - 12.116 - 17.121 1010.16704 - 60.4 10.8 - 83.1 38.8 47.11668 0.811 - 90.3 71.1 36.8 37.2 33.9 97.5953 17-18 19 - 15.579 - 16.280 1056.76404 - 50.3 13.5 - 85.0 43.7 49.1040 0.751 - 96.3 72.2 37.2 42.7 32.3 107.75326 18-19 21 - 19.228 - 19.271 103.84004 - 34.2 13.4 - 85.2 53.4 49.4905 0.742 - 101.1 69.9 43.3 43.5 20.3 119.37165 20-21 22 - 19.054 - 22.933 1022.50815 - 23.9 9.6 - 83.2 58.9 47.68717 0.794 - 100.2 66.4 48.6 38.8 11.2 105.4898 2122 23 - 18.906 - 22.532 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 - 98.7 60.3 59.0 34.8 5.9 91.359211 23-24 24 - 18.928 - 29.522 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 - 98.7 60.3 59.0 34.8 5.9 91.359211 23-24 25 - 15.511 - 29.526 93.82595 2.4 1.9 -70.6 67.3 43.60340 0.918 - 94.5 59.5 58.5 26.1 - 2.9 103.5993 24-25	6 -12.177	-20.655	935.69991 959.60513	-57.6 -67.5 -52.5	3.6 5.3 7.0 8.6	-81.5 -80.7 -81.1 -81.4	49.6 50.6 44.1 38.4	44.05580 41.85827 42.81436 44.03315	0.897 0.918 0.989 0.957 0.912	-90.2 -85.6 -85.2 -84.8	64.5 61.1 63.9 66.9	47.6 53.2 47.8 42.4	23.4 11.6 17.7 25.3	27.6 15.6 7.5 15.8 24.3	0. 130.70462 127.69472 86.16498 92.00258	1- 2 2- 3 3- 4 4- 5
10 -12.334 - 26.885 909.45392 -21.5 4.1 -80.7 56.6 43.01758 0.950 -90.2 61.6 53.0 19.0 7.1 95.33691 9-10 11 -9.431 -27.059 888.78216 -36.1 36 -80.7 56.6 41.85827 0.989 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12 -7.218 -29.883 877.44912 24.2 1.8 -80.7 52.1 39.07131 0.968 -82.2 58.1 58.8 2.6 -0.8 107.95625 11-12 13 -7.039 -27.204 881.4293 -70.6 3.2 -80.8 46.2 40.54379 0.988 -81.6 60.7 53.6 7.2 7.0 80.70825 12-13 14 -6.842 -24.02 897.33303 -80.7 4.6 -80.9 38.7 41.95007 0.981 -80.9 63.5 48.4 15.1 15.1 84.44930 13-14 15 -6.619 -21.419 926.77258 -83.9 5.9 -80.8 33.1 43.09636 0.937 -80.1 66.4 43.1 23.3 23.3 89.99725 14-15 16 -6.619 -21.419 926.77258 -83.9 5.9 -80.8 33.1 43.09636 0.937 -80.1 66.4 43.1 23.3 23.3 89.99725 14-15 17 -8.954 -11.748 982.86726 -73.0 86.6 -81.6 33.3 45.19640 0.918 -9.9 16.280 1056.76404 -50.3 13.5 -85.0 43.7 41.95007 0.981 -80.3 7.2 70.2 37.1 33.5 32.9 79.45405 16-17 19.15.579 -16.280 1056.76404 -50.3 13.5 -85.0 43.7 49.1040 0.751 -96.3 72.2 37.2 42.7 32.3 107.75326 18-19 19.228 -19.271 106.86521 -42.5 17.2 -87.7 48.2 51.78033 0.671 -102.3 73.8 38.2 49.6 29.9 123.91238 19-20 19.528 -19.271 1063.84064 -34.2 13.4 -85.2 53.4 49.42965 0.742 -101.1 69.9 43.3 43.5 20.3 119.37165 20-21 21.9.228 -19.271 1063.84064 -34.2 13.4 -85.2 53.4 49.42965 0.742 -101.1 69.9 43.3 43.5 20.3 119.37165 20-21 22.919.054 -22.933 1022.50815 -23.9 99.64942 -11.6 5.8 -83.2 58.9 47.68171 0.749 -110.2 66.4 48.6 38.8 11.2 105.4898 2122 23 -18.960 -25.332 999.64942 -11.6 5.8 -83.2 58.9 47.68171 0.749 -110.2 66.4 48.6 38.8 11.2 105.4898 2122 23 -18.960 -25.532 999.25860 1.9 2.0 -79.7 71.1 45.80760 0.889 -99.4 50.5 58.5 26.1 -2.9 103.54993 24-25 51.5 11.2 -20.5 49.5 59.5 58.5 26.1 -2.9 103.54993 24-25 51.5 11.2 -20.5 49.5 59.5 58.5 26.1 -2.9 103.54993 24-25 51.5 11.2 -20.5 49.5 59.5 58.5 26.1 -2.9 103.54993 24-25 51.5 11.5 -20.5 49.5 59.5 58.5 26.1 -2.9 103.54993 24-25	6 -12.177 7 -15.497	-20.655 -20.066	935.69991 959.60513 1000.80698	-57.6 -67.5 -52.5 -41.8	3.6 5.3 7.0 8.6 10.6	-81.5 -80.7 -81.1 -81.4 -82.2 -83.5	49.6 50.6 44.1 38.4 43.9 48.9	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419	0.897 0.918 0.989 0.957 0.912 0.872 0.816	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7	64.5 61.1 63.9 66.9 67.6 68.6	47.6 53.2 47.8 42.4 42.2 42.5	23.4 11.6 17.7 25.3 29.8 36.0	27.6 15.6 7.5 15.8 24.3 24.3	0. 130.70462 127.69472 86.16498 92.00258 93.39111	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
11 -9-431 -77.059 888.78216 -36.1 3.6 -80.7 50.6 41.85827 0.989 -85.6 61.1 53.2 11.6 7.5 88.11498 10-11 12 -77.218 -29.883 877.44912 24.2 1.8 -80.7 52.1 39.07131 0.968 -82.2 58.1 58.8 2.6 -0.8 107.95625 11-12 13 -7.039 -27.204 881.42393 -70.6 3.2 -80.8 46.2 40.54379 0.988 -81.6 60.7 53.6 7.2 7.0 80.70825 12-13 14 -6.842 -4.402 877.33303 -80.7 4.6 -80.9 38.7 41.95007 0.981 -80.9 63.5 48.4 15.1 15.1 84.44930 13-14 15 -6.619 -21.419 926.77258 -83.9 5.9 -80.8 33.1 43.09036 0.937 -80.1 66.4 43.1 23.3 23.3 849.99725 14-15 16 -6.364 -18.169 972.08233 -85.5 7.1 -80.5 28.2 44.55922 0.878 -79.0 69.6 37.9 31.8 31.6 98.09882 15-16 17 -80.95 -17.748 982.86726 -73.0 8.6 -81.6 33.3 45.5922 0.878 -79.0 69.6 37.9 31.8 31.6 98.09882 15-16 18 12.116 -17.121 1010.16704 -60.4 10.8 -83.1 38.8 47.11668 0.811 -90.3 71.1 36.8 37.2 33.9 77.58953 17-18 19 -15.579 -16.280 1056.76404 -50.3 13.5 -85.0 43.7 49.10404 0.751 -96.3 72.2 37.2 42.7 32.3 107.75326 18-19 20 -19.228 -19.271 1053.84064 -34.2 13.4 -85.2 53.4 49.10404 0.751 -96.3 72.2 37.2 42.7 32.3 107.75326 18-19 19.228 -19.271 1053.84064 -34.2 13.4 -85.2 53.4 49.4095 0.742 -101.1 69.9 43.3 43.5 50.3 119.37165 20-21 23 -18.900 -26.332 999.64942 -11.6 5.8 -81.4 64.8 46.37040 0.829 -99.4 63.2 53.8 35.8 2.5 96.81472 22-23 44 -18.928 -29.522 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 -98.7 60.3 59.0 34.8 5.9 91.35211 23-24 55.1511 -20.225 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 -98.7 60.3 59.0 34.8 5.9 91.35211 23-24 57.511 -79.026 939.82595 2.4 1.9 -70.6 67.3 43.60340 0.918 -94.5 59.5 58.5 56.1 -2.9 103.55932 42-25	6 -12.177 7 -15.497 8 -15.466	-20.655 -20.066 -23.471	935.69991 959.60513 1000.80698 964.87106	-57.6 -67.5 -52.5 -41.8 -30.2	3.6 5.3 7.0 8.6 10.6 7.7	-81.5 -80.7 -81.1 -81.4 -82.2 -83.5 -82.1	49.6 50.6 44.1 38.4 43.9 48.9 54.5	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693	0.897 0.918 0.989 0.957 0.912 0.872 0.816 0.864	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7	64.5 61.1 63.9 66.9 67.6 68.6 65.3	47.6 53.2 47.8 42.4 42.2 42.5 47.8	23.4 11.6 17.7 25.3 29.8 36.0 30.6	27.6 15.6 7.5 15.8 24.3 24.3 24.3	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
12	6 -12.177 7 -15.497 8 -15.466 9 -15.473	-20.655 -20.066 -23.471 -26.628	935.69991 959.60513 1000.80698 964.87106 945.30246	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1	3.6 5.3 7.0 8.6 10.6 7.7 4.8	-81.5 -80.7 -81.1 -81.4 -82.2 -83.5 -82.1 -80.9	49.6 50.6 44.1 38.4 43.9 48.9 54.5 60.6	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471	0.897 0.918 0.989 0.957 0.912 0.872 0.816 0.864 0.898	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2	64.5 61.1 63.9 66.9 67.6 68.6 65.3 62.3	47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.2	23.4 11.6 17.7 25.3 29.8 36.0 30.6 27.2	27.6 15.6 7.5 15.8 24.3 24.3 23.0 14.1 5.5	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9
14 -6.842 -24.402 897.33303 -80.7	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059	935.69991 959.60513 1000.80698 964.87106 945.30246 909.45392 888.78216	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1	-81.5 -80.7 -81.1 -81.4 -82.2 -83.5 -82.1 -80.9 -80.7	49.6 50.6 44.1 38.4 43.9 48.9 54.5 60.6 56.0	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758	0.897 0.918 0.989 0.957 0.912 0.872 0.816 0.864 0.898	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2	64.5 61.1 63.9 66.9 67.6 68.6 65.3 62.3 61.6	47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.2 53.0	23.4 11.6 17.7 25.3 29.8 36.0 30.6 27.2 19.0	27.6 15.6 7.5 15.8 24.3 24.3 23.0 14.1 5.5 7.1	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10
15 -6.619 -21.419 926.77258 -33.9 5.9 -80.8 33.1 43.09636 0.937 -80.1 66.4 43.1 23.3 23.3 89.99725 14-15 16 -6.364 -18.169 972.08233 -85.5 7.1 -80.5 28.2 44.5922 0.878 -79.0 69.6 37.9 31.8 31.6 98.0982 15-16 17 -8.954 -17.148 982.86726 -73.0 8.6 -81.6 33.3 45.59674 0.853 -84.2 70.2 37.1 33.5 32.9 98.0982 15-16 18 -12.116 -17.121 1010.16704 -60.4 10.8 -83.1 38.8 47.11668 0.811 -90.3 71.1 36.8 37.2 33.3 97.58953 17-18 19 -15.579 -16.280 1056.76404 -50.3 13.5 -85.0 43.7 49.10404 0.751 -96.3 72.2 37.2 42.7 23.3 107.75326 18-19 20 -19.513 -15.104 1128.65521 -42.5 17.2 -87.7 48.2 51.78033 0.671 -102.3 73.8 38.2 49.6 29.9 123.91238 19-20 21 -19.228 -19.271 1063.84064 -34.2 13.4 -85.2 53.4 49.4965 0.742 -101.1 69.9 43.3 43.5 20.3 119.37165 20-21 22 -19.054 -22.9533 1022.50815 -23.9 9.6 -83.2 58.9 47.68717 0.794 -100.2 66.4 48.6 38.8 11.2 105.48984 21-22 23 -18.960 -26.332 999.64942 -11.6 5.8 -81.4 64.8 46.37040 0.829 -99.4 63.2 53.8 35.8 2.5 96.81472 22-23 24 -18.928 -29.522 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 -98.7 60.3 59.0 34.8 -5.9 91.35211 23-24 25 -15.511 -29.026 939.82595 2.4 1.9 -79.6 67.3 43.60340 0.918 -94.5 59.5 58.5 56.1 -2.9 103.54993 24-25	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431 12 -7.218	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059 -29.883	935.69991 959.60513 1000.80698 964.87106 945.30246 909.45392 888.78216 877.44912	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.6 1.8	-81.5 -80.7 -81.1 -81.4 -82.2 -83.5 -82.1 -80.9 -80.7 -80.7	49.6 50.6 44.1 38.4 43.9 48.9 54.5 60.6 50.6 50.6	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 39.07131	0.897 0.918 0.989 0.957 0.912 0.872 0.864 0.864 0.898 0.950 0.989	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6	64.5 61.1 63.9 66.9 67.6 68.6 65.3 62.3 61.6	47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.2 53.0 53.2	23.4 11.6 17.7 25.3 29.8 36.0 30.6 27.2 19.0 11.6	27.6 15.6 7.5 15.8 24.3 24.3 23.0 14.1 5.5 7.1 7.5	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11
16 -6.364 -18.169 972.08233 -85.5 7.1 -80.5 28.2 44.55922 0.678 -79.0 69.6 37.9 31.8 31.6 98.09882 15-16 17 -8.954 -17.748 982.86726 -73.0 86 -81.6 31.3 45.59674 0.6853 -84.2 70.2 37.1 33.5 32.9 79.45405 16-17 18 -12.116 -17.121 1010.16704 -60.4 10.8 -83.1 38.8 47.11668 0.811 -90.3 71.1 36.8 37.2 33.3 97.58953 17-18 19 -15.579 -16.280 1056.76404 -50.3 13.5 -85.0 43.7 49.10404 0.751 -96.3 72.2 37.2 42.7 32.3 107.75326 18-19 20 -19.218 -19.271 103.84064 -34.2 13.4 -85.2 53.4 49.10404 0.751 -96.3 72.2 37.2 42.7 32.3 107.75326 18-19 21 -19.228 -19.271 103.84064 -34.2 13.4 -85.2 53.4 49.2040 0.751 -96.3 72.2 37.8 45.3 18.2 49.6 29.9 123.91238 19-20 21 -19.228 -19.271 103.84064 -34.2 13.4 -85.2 53.4 49.2040 0.751 -96.3 72.2 37.8 45.3 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123.9 123.9 123.8 18.2 49.6 29.9 123.9 123.8 18.2 49.6 29.9 123	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059 -29.883 -27.204	935.69991 959.60513 1000.80698 964.87106 945.30246 909.45392 888.78216 877.44912 881.42393	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.6 1.8 3.2	-81.5 -80.7 -81.1 -81.4 -82.2 -83.5 -82.1 -80.9 -80.7 -80.7	49.6 50.6 44.1 38.4 43.9 48.9 54.5 60.6 50.6 50.6 52.1	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 39.07131 40.54379	0.897 0.918 0.989 0.957 0.912 0.872 0.816 0.864 0.950 0.989 0.968	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2	64.5 61.1 63.9 66.9 67.6 68.6 65.3 62.3 61.6 61.1 58.1 60.7	47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.2 53.0 53.2 58.8 53.6	23.4 11.6 17.7 25.3 29.8 36.0 30.6 27.2 19.0 11.6 2.6 7.2	27.6 15.6 7.5 15.8 24.3 24.3 23.0 14.1 5.5 7.1 7.5 -0.8 7.0	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12
17 -8.954 -17.748 982.86726 -73.0 8.6 -81.6 33.3 45.59674 0.853 -84.2 70.2 37.1 33.5 32.9 79.45405 16-17 18 -12.116 -17.121 1010.16704 -60.4 10.8 -83.1 38.8 47.11668 0.811 -90.3 71.1 36.8 37.2 37.3 37.45405 16-17 19 -15.579 -16.280 1056.76404 -50.3 13.5 -85.0 43.7 49.10404 0.751 -96.3 72.2 37.2 42.7 32.3 107.75326 18-19 21 -19.228 -19.271 1003.84064 -42.5 17.2 -87.7 48.2 51.78033 0.671 -102.3 73.8 38.2 49.6 29.9 123.91238 19-20 19.254 -22.953.1022.50815 -23.9 96. 83.2 58.9 47.68717 0.7494 -100.2 66.4 48.6 38.8 11.2 105.48984 21-22 23 -18.960 -26.332 999.64942 -11.6 5.8 -81.4 64.8 46.37060 0.829 -99.4 63.2 53.8 35.8 2.5 96.81472 22-23 47.88726 99.82505 99.82505 99.82505 99.82505 99.82505 99.82505 99.82505 99.82505 99.82505 99.82505 99.82505 99.82505 99.82506 99.82505 99.82505 99.82505 99.82505 99.82505 99.35805 99.82505 99.82505 99.35805 99.82505 99.82505 99.35805 99.82505 99.82505 99.35805 99.82505 99.35805 99.82505	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039 14 -6.842	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059 -29.883 -27.204 -24.402	935.69991 959.60513 1000.80698 964.87106 945.30246 909.45392 888.78216 877.44912 881.42393 897.33303	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 -24.2 -70.6 +80.7	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.6 1.8 3.2	-81.5 -80.7 -81.1 -81.4 -82.5 -82.1 -80.9 -80.7 -80.7 -80.8 -80.9	49.6 50.6 44.1 38.4 48.9 54.5 60.6 56.0 50.6 52.1 46.2 38.7	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 39.07131 40.54379 41.95007	0.897 0.918 0.989 0.957 0.912 0.816 0.864 0.898 0.950 0.989 0.988 0.988	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6	64.5 61.1 63.9 66.9 67.6 68.6 65.3 62.3 61.6 61.1 58.1 60.7	47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.2 53.0 53.2 58.8 53.6	23.4 11.6 17.7 25.3 29.8 36.0 30.6 27.2 19.0 11.6 7.2	27.6 15.6 7.5 15.8 24.3 23.0 14.1 5.5 7.1 7.0 15.1	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625 80.70825 84.444930	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14
18 -12-116 -17-121 1010-16704 -60.4 10.8 -83.1 38.8 47.11668 0.811 -90.3 71.1 36.8 37.2 33.3 97.58953 17-18 19 -15-579 -16-280 1056-16404 -50.3 13.5 -85.0 43.7 49.10404 0.751 -96.3 72.2 37.2 42.7 32.3 107.75326 18-19 20 -19-513 -15-104 1128-65521 -42.5 17.2 -87.7 40.2 51.78033 0.671 -102.3 73.8 38.2 49.6 29.9 123.91238 19-20 21 -19-228 -19-271 103.84064 -34.2 13.4 -85.2 53.4 49.42965 0.742 -101.1 69.9 43.3 43.5 20.3 119.37165 20-21 22 -19-054 -22-33 -18-960 -22-33 18-960 -22-33 18-960 -22-33 18-960 -22-33 2 99.64942 -11.6 5.8 -81.4 64.8 46.37040 0.829 -99.4 63.2 53.8 35.8 2.5 96.81472 22-23 4 -18-928 -29-52 2 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 -98.7 60.3 59.0 34.8 -5.9 91.39211 23-24 25 -15-511 -29-626 939.82595 2.4 1.9 -79.6 67.3 43.60340 0.918 -94.5 59.5 58.5 26.1 -2.9 103.54993 24-25	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334. 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059 -29.883 -27.204 -24.402 -21.419	935-69991 959-60513 1000-80698 964-87106 945-30246 909-4539 888-78216 877-44912 881-42393 897-33303 926-77258	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 +80.7 -83.9	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.6 1.8 3.2 4.6 5.9	-81.5 -80.7 -81.4 -82.2 -83.5 -82.1 -80.9 -80.7 -80.7 -80.8	49.6 50.6 44.1 38.4 43.9 48.9 50.6 50.6 50.6 52.1 46.2 38.7 33.1	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 39.07131 40.54379 41.95007 43.09636	0.897 0.918 0.989 0.957 0.912 0.816 0.864 0.898 0.950 0.968 0.968 0.981 0.937	-90.2 -85.6 -85.6 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9	64.5 61.1 63.9 66.9 67.6 68.6 65.3 62.3 61.6 61.1 560.7 63.5 66.4	47.6 53.2 47.8 42.4 42.5 47.8 53.0 53.0 53.0 53.2 53.4 43.1	23.4 11.6 17.7 25.3 29.8 36.0 30.6 27.2 19.0 11.6 7.2 15.1 23.3	27.6 15.6 7.5 15.8 24.3 23.0 14.1 5.5 7.1 7.5 -0.8 7.0 15.1 23.3	0. 130.70462 127.09472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 80.70825 80.70825 84.44930 89.99725	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15
20 -19.513 -15.104 1128.65521 -22.5 17.2 -87.7 48.2 51.78033 0.671 -102.3 73.8 38.2 49.6 29.9 123.91238 19-20 21 -19.228 -19.571 103.84064 -34.2 13.4 -85.2 53.4 49.695 0.7142 -101.1 69.9 43.3 43.5 20.3 119.37165 20-21 22 -19.054 -22.953 1022.50815 -23.9 9.6 -83.2 58.9 47.68717 0.794 -100.2 66.4 68.6 38.8 11.2 105.48984 21-22 23 -18.960 -26.332 99.64962 -11.6 5.8 -81.4 64.8 64.37040 0.829 -99.4 63.2 53.8 35.8 2.5 96.81472 22-23 24 -18.928 -29.522 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 -98.7 60.3 59.0 34.8 -5.9 91.39211 23-24 25 -15.511 -29.626 939.82595 2.4 1.9 -79.6 67.3 43.60340 0.918 -94.5 59.5 58.5 26.1 -2.9 103.54993 24-25	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954	-20.655 -20.066 -23.471 -26.628 -27.059 -29.883 -27.204 -24.402 -18.169 -17.748	935-69991 959-60513 1000-80698 964-87106 945-30246 909-45392 888-78216 877-44912 881-42393 897-33303 926-77258 972-08233 982-86726	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 -80.7 -83.9 -7.8	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.6 1.8 3.2 4.6 5.9 7.1	-81.5 -80.7 -81.1 -82.2 -83.5 -82.1 -80.9 -80.7 -80.7 -80.8 -80.8 -80.9 -80.5	49.6 50.6 44.1 38.4 48.9 54.5 60.6 50.6 52.1 46.2 38.7 33.1 28.2	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 39.07131 40.54379 41.95007 43.09636 44.55922	0.897 0.918 0.989 0.957 0.912 0.872 0.816 0.898 0.989 0.968 0.988 0.988	-90.2 -85.6 -85.6 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.1	64.5 61.1 63.9 66.9 67.6 68.6 65.3 62.3 61.6 61.1 58.1 60.7 63.5 66.4	47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0	23.4 11.6 17.7 25.3 29.8 36.0 30.6 27.2 19.0 11.6 2.6 7.2 15.1	27.6 15.6 7.5 15.8 24.3 23.0 14.1 5.5 7.0 15.1 7.0 15.3 331.6	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 107.95625 80.70825 84.44930 89.99725 98.09882	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15
21 -19.228 -19.271 1063.84064 -34.2 13.4 -85.2 53.4 49.42265 0.742 -101.1 69.9 43.3 43.5 20.3 119.37165 20-21 2219.054 -22.953 1022.50815 -23.9 96 -83.2 58.9 47.68717 0.749 -100.2 66.4 48.6 38.8 11.2 105.48984 21-22 23 -18.960 -26.332 999.64942 -11.6 5.8 -81.4 64.8 46.37040 0.829 -99.4 63.2 53.8 35.8 2.5 96.81472 22-23 47.88928 -29.522 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 -98.7 60.3 59.0 34.8 5.9 91.39211 23-24 5 -15.5111 -29.626 939.82595 2.4 1.9 -79.6 67.3 43.60340 0.918 -94.5 59.5 58.5 26.1 -2.9 103.54993 24-25	6 -12.177 7 -15.497 8 -15.476 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059 -29.883 -27.204 -24.402 -21.419 -18.169 -17.748 -17.121	935-69991 959-60513 1000-80698 964-87106 945-30246 909-45392 888-78216 877-44912 881-42393 897-33303 926-77258 972-08233 982-86726 1010-16704	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 -80.7 -83.9 -85.5 -73.0	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.6 1.8 3.2 4.6 5.9 7.1 8.6	-81.5 -80.7 -81.4 -82.2 -83.5 -82.1 -80.9 -80.7 -80.7 -80.8 -80.8 -80.5 -81.8	49.6 504.1 38.4 43.9 48.5 60.6 50.6 52.1 46.2 33.1 28.7 33.1 28.3 38.8	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 41.95007 41.95007 43.09636 44.55922 45.59674 47.11668	0.897 0.918 0.989 0.957 0.912 0.872 0.864 0.898 0.950 0.968 0.988 0.981 0.937 0.873 0.873	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.1 -79.0 -84.2	64.5 61.1 63.9 66.9 67.6 68.6 65.3 61.6 61.1 60.7 63.5 66.4 69.6 70.2 71.1	47.6 53.2 47.8 42.4 42.5 42.5 53.0 53.0 53.0 53.6 48.1 37.1 36.8	23.4 11.6 17.7 25.8 36.0 30.6 27.2 19.0 11.6 7.2 15.1 23.3 31.8 33.5	27.6 15.6 15.8 24.3 24.3 24.0 14.1 5.5 7.1 7.5 -0.8 15.1 23.3 31.6	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625 80.70825 84.4493 89.99725 98.09882 79.55405	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
22 - 19.054 - 22.953 1022.50815 - 23.9	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954 18 -12.116	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059 -29.883 -27.204 -24.402 -21.419 -18.169 -17.748 -17.121 -16.280	935.69991 1000.80698 964.87106 945.30246 909.45392 888.78216 877.44912 881.42393 897.33303 926.77258 972.08233 982.86726 1010.16704	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 -80.7 -83.9 -85.5 -73.0 -60.4 -50.3	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.6 1.8 3.2 4.6 5.9 7.1 8.6 10.8	-81.5 -80.7 -81.4 -82.2 -83.5 -80.9 -80.7 -80.7 -80.8 -80.9 -80.5 -81.6 -83.6	49.6 50.6 44.4 43.9 48.9 560.6 560.6 560.1 46.2 38.7 28.2 33.8 33.8	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 39.07131 40.554379 41.95007 43.09636 44.55922 45.59674 47.11668 49.10404	0.897 0.918 0.989 0.957 0.912 0.816 0.816 0.864 0.989 0.988 0.988 0.988 0.987 0.988 0.981	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.9 -80.1 -79.0 -84.2 -90.3	64.5 61.1 63.9 66.9 67.6 68.6 65.3 61.6 61.1 58.1 60.7 63.5 66.4 69.6 70.2 71.1	47.6 53.2 47.8 42.4 42.5 47.8 53.0 53.0 53.0 53.0 43.1 37.1 37.1 37.1 37.1	23.4 11.6 17.3 29.8 36.0 30.6 219.0 11.6 2.6 7.2 15.1 23.3 31.8 33.5 242.7	27.6 15.6 15.8 24.3 24.3 23.0 15.5 7.1 -0.8 7.0 15.1 331.6 32.9 33.3	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625 80.70825 84.44930 89.99725 98.09882 79.45405 97.88953 107.75326	1- 2 2- 3 3- 4 4- 5- 6 6- 7 7- 8 8- 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
23 - 18.960 - 26.332 999.64942 - 11.6 5.8 - 81.4 64.8 46.37040 0.829 - 99.4 63.2 53.8 35.8 2.5 96.81472 22-23 24 - 18.928 - 29.522 992.35840 1.9 2.0 - 79.7 71.1 45.37895 0.850 - 98.7 60.3 59.0 34.8 - 5.9 91.39211 23-24 25 - 15.511 - 29.026 939.82595 2.4 1.9 - 79.6 67.3 43.60340 0.918 - 94.5 59.5 58.5 26.1 - 2.9 103.54993 24-25	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954 18 -12.116 19 -15.579 20 -19.513	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059 -29.883 -27.204 -24.402 -21.419 -18.169 -17.748 -17.121 -16.280 -15.104	935.69991 1000.80698 964.87106 945.30246 909.45392 888.78216 877.44912 881.42393 397.33303 926.77258 972.08233 982.86726 1010.16704 1128.65521	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 -80.7 -83.9 -85.5 -73.0 -60.4 -50.3	3.6 5.3 7.0 8.6 10.6 7.7 4.8 3.1 3.6 1.8 3.2 4.6 10.8 13.5 17.2	-81.5 -80.7 -81.4 -82.2 -83.1 -80.7 -80.7 -80.7 -80.8 -80.9 -80.8 -80.8 -80.8 -80.8 -80.8	49.6 50.6 38.4 43.9 54.5 60.6 50.6 52.2 38.7 233.8 233.8 48.2	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 39.07131 40.54379 41.95007 41.95007 43.09636 44.55922 45.55924 47.11668 49.10404	0.897 0.918 0.989 0.957 0.912 0.816 0.816 0.816 0.989 0.968 0.988 0.988 0.937 0.878 0.853 0.851 0.671	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.1 -79.0 -79.0 -90.3 -90.3 -102.3	64.5 61.1 63.9 66.9 67.6 68.6 65.3 62.3 61.1 58.1 60.7 63.5 66.4 69.6 70.2 71.1 72.2 73.8	47.6 53.2 47.8 42.4 42.5 47.8 53.0 53.0 53.0 53.0 43.1 37.1 37.1 37.2 37.2	23.4 11.6 17.7 29.8 36.0 30.6 27.2 11.6 2.6 7.2 15.1 33.5 33.5 37.2 49.6	27.6 15.6 7.5 15.8 24.3 23.0 14.1 5.5 7.1 7.0 15.1 23.6 31.6 32.9 33.3 32.9	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625 84.44930 89.9725 98.09882 79.45405 97.58953 107.75326	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
24 -18.928 -29.522 992.35840 1.9 2.0 -79.7 71.1 45.37895 0.850 -98.7 60.3 59.0 34.8 -5.9 91.39211 23-24 25 -15.511 -29.626 939.82595 2.4 1.9 -79.6 67.3 43.60340 0.918 -94.5 59.5 58.5 26.1 -2.9 103.54993 24-25	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954 18 -12.116 19 -15.579 20 -19.513 21 -19.228 22-19.054	-20.655 -20.066 -23.471 -26.628 -27.059 -29.883 -27.204 -24.402 -21.419 -18.169 -17.748 -17.121 -16.280 -15.104 -19.271 -22.953	935.69991 1959.60513 1000.80698 946.87106 945.30246 909.45392 888.78216 877.44912 881.42393 897.33303 926.77258 972.08233 982.86726 101.16704 1056.76404 1128.65521 1063.84064	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 -80.7 -83.9 -85.5 -73.0 -60.4 -50.3 -42.5 -34.2	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.2 4.6 5.9 7.1 8.6 10.8 13.5 17.2 13.4	-81.5 -80.7 -81.4 -82.2 -82.5 -82.1 -80.7 -80.7 -80.8 -80.8 -80.8 -80.5 -81.6 -87.6	49.6 50.6 438.4 438.9 540.6 500.6 127 238.7 238.7 238.7 248.7 248.7 259.7 269.7 279.7 289.7	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 45.63693 44.48471 43.01758 41.85827 39.07131 40.54379 41.95007 43.09636 44.55922 45.5967 47.11668 49.10404 51.78033 49.42965	0.897 0.918 0.989 0.957 0.912 0.872 0.864 0.864 0.989 0.968 0.981 0.937 0.873 0.873 0.871	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.1 -79.0 -84.2 -90.3 -90.3 -102.3	64.5 61.1 66.9 67.6 68.6 62.3 61.6 61.1 58.1 60.7 63.5 66.4 69.6 71.1 72.8	47.6 53.8 42.8 42.5 42.5 53.0 53.0 53.0 53.0 48.1 37.1 37.1 37.1 37.2 43.3 43.3	23.4 11.6 17.7 25.3 29.8 36.0 27.2 19.0 11.6 2.6 215.1 23.3 31.8 33.5 37.2 42.7 49.6	27.6 15.6 7.5 15.8 24.3 24.3 24.3 14.1 7.5 7.1 7.5 -0.8 15.1 23.3 31.6 32.9 33.3 32.9 32.9	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 80.708625 80.708625 80.708625 80.97825 98.99725 98.99825 97.45405 97.45405 97.75326 123.91238	1- 2 2- 3 3- 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
25 -15 -511 -29 -626 939 -82595 2.4 1.9 -79 -6 67 -3 43 -60340 0.918 -94 -5 59 -5 58 -5 26 -1 -2 -9 103 -54993 24 -25	6 -12.177 7 -15.497 8 -15.467 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954 18 -12.116 19 -15.579 20 -19.513 21 -19.228 22 -19.054	-20.655 -20.066 -23.471 -26.628 -27.059 -29.883 -27.204 -24.402 -21.419 -18.169 -17.748 -17.121 -16.280 -15.104 -19.271 -2.953 -26.332	935.69991 1959.60513 1000.80698 964.87106 945.30246 909.45392 888.78216 887.44912 881.42393 897.33303 926.77258 972.08233 982.86726 1010.1670 1056.76404 1056.76404 1028.50815 999.64942	-57.6 -67.5 -52.5 -61.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 -80.7 -83.5 -73.0 -60.4 -50.3 -42.5 -34.2 -23.9 -11.6	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 8.6 1.8 3.2 4.6 1.8 3.2 4.6 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	-81.5 -80.7 -81.4 -82.2 -83.5 -82.1 -80.7 -80.7 -80.8 -80.8 -80.9 -80.5 -81.8 -85.2 -83.1 -85.2	49.66.1 438.4 438.4 548.5 50.6 50.6 50.6 438.3 438.3 438.3 438.3 438.3 438.4 548	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 43.01758 41.85827 49.07131 40.54379 41.95007 43.09636 44.55922 45.59674 47.11668 47.68717 46.37040	0.897 0.918 0.989 0.957 0.872 0.816 0.864 0.989 0.988 0.981 0.937 0.878 0.878 0.878 0.671 0.751 0.742 0.742	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3 -102.3 -101.1	64.5 61.1 66.9 67.6 68.6 65.3 61.6 65.7 63.5 66.4 70.2 71.1 72.2 73.8 69.9 66.4	47.62 47.62 47.84 42.5 42.5 43.02 43.02 43.03 43.0	23.4 11.6 17.7 25.3 29.8 36.6 27.2 19.0 11.6 7.2 15.1 23.3 33.8 33.5 42.7 49.6 43.8 33.8	27.6 15.6 15.8 24.3 24.3 24.3 14.1 5.1 7.5 -0.8 15.1 23.3 32.9 33.3 32.9 20.3 21.5	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625 84.44930 99.99725 98.09882 79.45405 107.75326 123.9123 119.37165	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21
	6 -12.177 7 -15.497 8 -15.466 9 -15.473 10 -12.334 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954 18 -12.116 19 -15.579 20 -19.513 21 -19.228 22 -19.054 23 -18.960 24 -18.928	-20.655 -20.066 -23.471 -26.628 -26.865 -27.059 -29.883 -27.204 -24.402 -21.419 -18.169 -17.748 -17.121 -16.280 -15.204 -19.271 -22.953 -26.332	935.69991 1959.60513 1000.80698 944.87106 945.30246 .903.45392 888.78216 881.42393 897.33303 926.77258 972.08233 982.86726 1010.16704 1028.65521 1063.84064 1022.50815 999.464942 992.35840	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 -80.7 -83.9 -85.5 -73.0 -60.3 -42.5 -34.2 -23.9 -11.6	3.6 5.3 7.0 8.6 10.6 7.7 4.8 3.6 13.2 4.6 5.9 7.1 8.6 10.8 13.5 17.2 13.4 9.6 5.8	-81.5 -80.1 -81.4 -82.2 -83.5 -82.1 -80.9 -80.7 -80.7 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8	49.6 544.1 38.4 48.9 540.6 550.6 550.6 338.7 233.8 338.7 483.2 483.2 483.2 483.4	44.05580 41.85827 42.81436 44.03315 45.63693 45.63693 44.48471 43.01758 41.85827 41.95007 41.95007 41.95007 42.959674 47.11668 49.1040 49.42965 49.42965 49.42965 49.42965 49.37640 45.37696	0.897 0.918 0.989 0.957 0.812 0.864 0.864 0.950 0.968 0.981 0.937 0.878 0.871 0.6751 0.6751 0.742 0.826 0.937 0.848	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.1 -79.0 -80.1 -79.0 -84.2 -90.3 -90.3 -101.1 -100.2	64.5 61.9 66.9 67.6 68.6 62.3 61.6 58.1 60.7 63.5 66.4 670.2 71.1 73.8 69.9 66.4 69.4 66.3	47.62 47.62 42.54 42.58 43.02 43.03 43.04 43	23.4 117.7 25.8 36.6 27.0 27.0 111.6 75.1 2.6 15.1 23.3 31.8 537.2 443.5 38.8 334.8	27.6 15.65 15.8 24.3 23.0 14.15 7.1 7.5 8 7.0 15.13 33.6 32.9 33.3 220.9 31.6 20.9 31.6 20.9 31.6 32.9 31.6 32.9 33.9 32.9 33.9	0. 130.70462 127.69472 66.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625 84.44930 89.99725 98.09882 79.45405 97.5855 107.75326 107.75326 105.68984 96.81472 91.39211	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-22 22-23
27 -0 572 10 000 004 77410 25-20	6 -12.177 7 -15.497 8 -15.497 8 -15.497 8 -15.473 10 -12.431 11 -9.431 11 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954 18 -12.116 19 -15.579 20 -19.513 21 -19.228 22 -19.054 23 -18.928 24 -18.928 25 -15.511	-20.655 -23.471 -26.628 -24.855 -27.059 -29.883 -27.204 -24.402 -21.419 -18.169 -17.748 -17.121 -16.280 -15.104 -19.271 -22.953 -26.332 -29.522 -29.522	935.69991 1959.60513 1000.80698 964.87106 964.87106 945.30246 909.45392 888.78216 877.44912 881.42393 897.33303 926.77258 972.08233 982.86726 1010.16704 1026.76404 1128.65521 1003.84064 1022.50815 999.64942 992.35840 939.82595	-57.6 -67.5 -52.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 -24.2 -70.6 -80.7 -83.9 -60.4 -50.3 -42.5 -34.2 -23.2 -11.6 1.9	3.6 5.3 7.0 8.6 10.6 7.7 4.8 4.1 3.6 1.8 3.2 4.6 5.9 7.1 8.6 10.8 13.5 17.2 13.4 5.8 2.0 1.9	-81.5 -80.7 -81.4 -82.2 -83.5 -82.1 -80.9 -80.7 -80.8 -80.8 -80.8 -80.8 -80.8 -83.1 -85.2 -83.1 -85.2	49.6 504.1 38.4 48.4 500.6	44.05580 41.85827 42.81436 44.03315 45.38925 47.13419 49.48471 43.01758 41.85827 41.95007 43.09636 44.55922 45.59674 47.11668 47.68717 47.1168717 48.37040 45.37693 44.5592 47.42965 47.42965 47.42965 47.437040 45.37693	0.897 0.989 0.987 0.917 0.816 0.864 0.864 0.989 0.968 0.981 0.975 0.878 0.871 0.871 0.874	-90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3 -102.3 -102.3 -102.3 -102.3 -91.4 -98.4	64.5 61.1 66.9 67.6 65.3 61.6 58.1 60.7 66.4 69.6 71.1 72.2 73.8 66.4 63.3 66.4 63.3	47.62 442.58 442.58 442.58 453.86 437.18 22.36 48.83 48.83 48.83 558.84 558.84 558.84 558.84	23.4 117.7 25.8 36.0 27.0 12.6 27.0 12.6 27.1 123.3 337.2 449.5 337.8 337.7 449.5 338.8 337.7 449.6 338.8 337.8	27.6 15.65 15.8 24.3 24.3 23.0 15.5 7.1 5.0 15.1 23.6 9 33.3 32.9 9 20.3 21.5 9 20.3 21.5 9 20.3 21.5 9 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625 80.70825 84.44930 89.99725 98.09882 79.45405 97.58953 107.75326 123.9123 119.37165 105.48984 96.81472 91.39211	1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 13-14 14-15 16-17 17-18 19-20 20-21 22-23 23-24-25
28 -7.218 -29.883 877.44912 24.2 1.8 -80.7 52.1 39.07131 0.968 -82.2 58.1 58.8 2.6 -0.8 71.33480 27.28	6 -12.177 7 -15.497 8 -15.497 8 -15.497 8 -15.493 10 -12.4334 11 -9.431 12 -7.218 13 -7.039 14 -6.842 15 -6.619 16 -6.364 17 -8.954 18 -12.116 19 -15.579 20 -19.513 21 -19.228 22 -19.054 23 -18.928 25 -15.511 26 -12.427 27 -9.572	-20.655 -20.066 -23.471 -26.628 -26.8625 -27.059 -29.883 -27.204 -24.402 -21.419 -18.169 -17.748 -17.121 -16.280 -15.104 -19.271 -22.953 -26.332 -29.809	935.69991 1959.60513 1000.80698 944.87106 945.30246 909.45392 888.78216 881.42393 897.33303 926.77258 972.08233 982.86726 1010.16704 1026.76404 1028.65521 1063.84064 1022.50815 999.64942 999.35840 939.82595 904.99638 884.77618	-57.6 -67.5 -52.5 -41.8 -30.2 -15.1 -21.5 -36.1 24.2 -70.6 -80.7 -83.9 -85.5 -73.0 -60.3 -42.5 -34.2 -23.9 -11.6	3.6 5.3 7.0 8.6 10.6 7.7 4.8 3.6 13.2 4.6 5.9 7.1 8.6 10.8 13.5 17.2 13.4 9.6 5.8	-81.5 -80.1 -81.4 -82.2 -83.5 -82.1 -80.9 -80.7 -80.7 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8	49.6 544.1 38.4 48.9 540.6 550.6 550.6 338.7 233.8 338.7 483.2 483.2 483.2 483.4	44.05580 41.85827 42.81436 44.03315 45.63693 45.63693 44.48471 43.01758 41.857379 41.95007 41.95007 43.09636 44.559674 47.11668 49.10404 51.78033 49.42965 47.68717 46.37040 45.37895 43.60340 42.21522	0.897 0.918 0.989 0.957 0.912 0.816 0.864 0.898 0.968 0.989 0.968 0.981 0.975 0.871 0.742 0.873 0.811 0.771 0.742 0.829 0.850 0.918	-90.2 -85.6 -85.2 -84.8 -90.2 -94.8 -90.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.1 -79.0 -84.2 -96.3 -102.3 -102.3 -101.1 -100.2 -99.4 -98.7 -94.5	64.5 61.19 66.9 67.6 68.3 62.3 61.1 58.4 670.5 66.4 670.1 772.8 69.9 63.3 59.9 63.3 59.9	47.6 537.8 422.5 422.5 423.0 247.8 253.2 843.9 137.8 223.6 433.7 337.8 23.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 43.9 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8	23.4 117.7 25.8 30.6 27.0 111.6 27.2 15.1 23.8 33.5 42.7 43.8 33.8 34.8 26.1 35.8 36.8 37.7 49.8 38.8 38.8 49.8 38.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 4	27.6 15.65 15.8 24.3 23.0 14.15 7.1 7.5 8 7.0 15.13 33.6 32.9 33.3 220.9 31.6 20.9 31.6 20.9 31.6 32.9 31.6 32.9 33.9 32.9 33.9	0. 130.70462 127.69472 86.16498 92.00258 93.39111 102.05825 99.40172 92.17010 95.33691 88.11498 107.95625 80.70825 89.99725 98.09882 79.45405 97.88953 107.75326 123.91238 96.81472 103.54993 93.459138	1- 2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 18-19 19-20 21-22 22-23 23-24 24-25

					RA-VII	CAMERA	FA								62
JULY 31,190	54 13 HF	t 19 MIN 17	SEC 189	MS	•	TAB NO	123	ATL	AS PHOTO	NO	123		POD S	EQUENCE NO	252
TRAJECTOR					SEC TO	IMPACT	ALT	LAT	L	DN		R	٧		AZ
PHOTO DATA	A .					611	866,12155							-70.127 116	
PT LAT	LON	RANGE 953.43172	AZS/C	AZN	AZSUN -81.5	AZA	A+	B/A	AZPHAZ	INCD	PHAZ	EMIS 20 6	ALPHA	SCALE I	PT-PT N- 1
2 -12.234	-19.643	915.96217	-40.5	6.4	-81.5	49.5	43.53048	0.918	-90.2	64.6	47.6	23.4	15.6	128.82586	1-2
3 -9.448	-26.976	878.09273	-36.4	3.6	-80.7	50.5	41.35485	0.988	-85.6	61.2	53.2	11.6	7.6	126.19282	2-3
4 -9.302	-24.131	894.38982 924.58042	-57.6	5.3	-81.1 -81.4	44.1 38.5	42,30365		-85.2 -84.8	63.9	47.8	25.3	24.3	85.14980 90.92038	4-5
6 -12-162	-20.647	948.20100	-52.6	8.6	-82.3	43.9	44.84986	0.872	~90.2	67.6	42.2	29.B	24.3	92.28088	5- 6
7 -15.442	-20.067	988.82942	-41.9				46.57010	0.817	-95.7	68.6	42.5	35.9	23.0	100.80763	6 7 7 8
0 -15 417	- 24 EEA	953.29777 933.87067	-15.3		-82.2 -80.9		45.08949 43.94670	0.865	-95.2	62.4	53.2	27.1	5.6	98.21996 91.07980 94.16319	8- 9
10 -12.316 11 -9.448 12 -7.262 13 -7.085	-26.783	898.51761	-21.7	4.1	-80.7	55.B	42.00031	0.730	- 70 + 2	01.	,,,,	1,40	7.2	94.16319 87.05543	9-10
11 -9.448	-26.976	878.09273	-36.4	3.6	-80.7 -80.7 -80.8 -80.9	50.5	41.35485	0.988	-85.6	61.2	53.2	11.6	7.6	106-66497	10-11
12 -7.262	-27.120	870.78194	-70.4	3.2	-80.8	46.1	40.06182	0.988	-81.6	60.8	53.7	7.3	7.1	106.66497 79.73416	12-13
14 -6.890	-24.351	886.58534	-80.6	4.6	-80.9	38.7	41.44748	0.981	-80.9	63.5	48.4	15.1	15.1	83.449/3	13-14
15 -6.670 16 -6.418 17 -8.977	-21.402	915.71187	-83.8	5.9	-80.8 -80.5	33.2	42.58184	0.937	-80.1	66.4	43.1	23.4	31.6	88.93376 96.91465	14-15
17 -8-918	-18.192	971.15862	-72.9	8.6	-81.6	33.4	45.05357	0.853	-84.2	70.2	37.1	33.4	32.9	78.51185	16-17
1B -12.102	-17.130	998.11932	-bu.4	10.8	-83.l	38.8	46.55486	0.811	-90.3	71.0	36.8	37.2	33.2	96.42223	
19 -15.522	-16.328	1044-03838	-50.4	13.5	-85.0 -87.7	43.7	48.51286	0.752	-96.3	72.2	37.2	42.6	32.2 29.8	106.40980 122.22184	19-20
20 -19.404	-19-285	1114.74294				53.2	48.82751	0.744	-101.1	69.8	43.3	43.4	20.3	117.82116	20-21
22 -18.952	-22.920	1010.05935	-24.0	9.6	-83.2	58.7	47.10643	0.795	-100.2	66.4	48.6	38.7	11.2	117.82116 104.20279 95.65252	21-22
23 -18.858	-26.256	987.39090		5.8	-61.5 -79.8	64.5 70.8	45.80161	0.830	-99.4 -98.7	63.3	53.8	35.7	-5.8	90.27677	23-24
24 -18.826	-29.405	980.02786	1.7 2.2	1.9	-79.7	67.0	43.06917		-94.5	59.6	58.5	26.1	-2.8	102.18703	24-25
26 -12.408	-29.605	893.97465	3.2	1.9	-79.9	62.7	41.70116	0.970	-90.2				-1.1	92.28432	25-26
27 -9.587			5.9 21.6	1.6	-80.3 -80.7	55.9	40.26955	0.992	-85.9 -82.2			9.4	-0.4 -0.7	85.47848 70.46857	27-28
28 -7.262	-24.101	800.12903	21.0	1.0	-60.1	31.7	30.37400								
JULY 31,19	64 13 H	R 19 MIN 22	SEC 309	MS		TAB NO	124	ATL	AS PHOTO	ON C	124		POD S	EQUENCE NO	254
JULY 31,19		R 19 MIN 22	SEC 309	MS	SEC TO	IMPACT	ALT	LA	T L	.ON		R	٧	PTH	ΑZ
TRAJECTUR	Y DATA				SEC TO 386	IMPACT	ALT 855.39410	LA ) -6.	T L 474 -29	ON -396	25	R 90 • 84'	y 9 2.230	PTH -70.073 11	AZ 6.195
TRAJECTUR	Y DATA			AZN	SEC TO 386.	IMPACT 491 AZA	ALT 855.39410	LA ) -6. B/A	T L 474 –29 Azphaz	ON -396 INCD	25 PHAZ	R 90.84' EMIS	V 9 2.230 ALPHA	PTH -70.073 11 SCALE	AZ 6.195 PT-PT
TRAJECTUR	Y DATA			AZN 6.4	SEC TO 386. AZSUN -81.6	IMPACT 491 AZA 55.0	ALT 855.39410 A* 43.56268	LA ) -6. B/A 0.897	T L 474 -29 AZPHAZ -93.5 -90.2	ON -396 INCD 68-5	25 PHAZ 40.3	R 90.84 EMIS 30.6	V 9 2.230 ALPHA 27.5 15.7	PTH -70.073 11 SCALE 0. 126.94371	AZ 6.195 PT-PT 0- 1 1- 2
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066  2 -12.218  3 -9.466	Y DATA A LON -19.661 -23.776 -26.893	RANGE 941.71774 904.89183 867.38892	AZS/C -27.4 -40.6 -36.6	AZN 6.4 6.4 3.6	SEC TO 386. AZSUN -81.6 -81.5 -80.7	IMPACT 491 AZA 55.0 49.4 50.3	ALT 855.39410 A* 43.56268 43.00436	LA ) -6. B/A 0.897 0.918	T L 474 -29 AZPHAZ -93.5 -90.2	ON -396 INCD 68-5 64-6	25 PHAZ 40.3 47.6	R 90.84 EMIS 30.6 23.4	V 9 2.230 ALPHA 27.5 15.7	PTH -70.073 11 SCALE 0. 126.94371	AZ 6.195 PT-PT 0- 1 1- 2 2- 3
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066  2 ~12.218  3 -9.466  4 -9.322	Y DATA LON -19.661 -23.776 -26.893 -24.082	RANGE 941.71774 904.89183 867.38892 883.57721	AZS/C -27.4 -40.6 -36.6 -57.6	AZN 6.4 6.4 3.6	SEC TO 386. AZSUN -81.6 -81.5 -80.7 -81.1	AZA 55.0 49.4 50.3	ALT 855-39410 A* 43-56268 43-00436 40-85075 41-79219	LA B/A 0.897 0.918 0.988 U.956	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2	ON -396 INCD 68-5 64-6 61-3 64-0	25 PHAZ 40.3 47.6 53.2 47.8	R 90.84 30.6 23.4 11.7	9 2.230 ALPHA 27.5 15.7 7.7 15.9	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301	AZ 6.195 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 2 ~12.218 3 -9.466 4 -9.322 5 -9.168	Y DATA  LON -19.661 -23.776 -26.893 -24.082	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5	AZN 6.4 6.4 3.6 5.4 7.0	SEC TO 386. AZSUN -81.6 -81.5 -80.7 -81.1 -81.4	AZA 55.0 49.4 50.3	ALT 855-39410 A* 43-56268 43-00436 40-85075 41-79219	LA B/A 0.897 0.918 0.988 U.956	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2	ON -396 INCD 68-5 64-6 61-3 64-0	25 PHAZ 40.3 47.6 53.2 47.8	R 90.84 30.6 23.4 11.7	9 2.230 ALPHA 27.5 15.7 7.7 15.9	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301	AZ 6.195 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.17 7 -15.386	A LON - 19.661 - 23.776 - 26.893 - 24.082 - 21.081 - 20.640 - 20.067	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.83595	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9	AZN 6.4 6.4 3.6 5.4 7.0 8.6	SEC TO 386. AZSUN -81.6 -81.5 -80.7 -81.1 -81.4 -82.3	AZA 55.0 49.4 50.3	ALT 855-39410 A* 43-56268 43-00436 40-85075 41-79219	LA B/A 0.897 0.918 0.988 U.956	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2	ON -396 INCD 68-5 64-6 61-3 64-0	25 PHAZ 40.3 47.6 53.2 47.8	R 90.84 30.6 23.4 11.7	9 2.230 ALPHA 27.5 15.7 7.7 15.9	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301	AZ 6.195 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTUR PT LAT 1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355	Y DATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.8359 941.70882	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9	AZN 6.4 6.4 3.6 5.4 7.0 8.6 10.6	SEC TO 386. AZSUN -81.6 -81.5 -80.7 -81.1 -81.4 -82.3 -82.2	IMPACT.491  AZA 55.0 49.4 50.3 44.1 38.5 43.9 48.7 54.2	ALT 855-39410 A= 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132	LA 8/A 0.897 0.918 0.988 0.956 0.912 0.872 0.817 0.865	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	ON -396 INCD 68-5 64-6 61-3 64-0 66-9 67-6 68-6	25 PHAZ 40.3 47.6 53.2 47.8 42.4 42.2 47.9	R 90.84 80.66 23.4 11.7 17.8 25.3 29.7 35.9	V 9 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 24.3 23.0 14.2	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTUR PHOTO DAT 1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355 9 -15.360	Y DATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 976.83595 941.70882 922.42502	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9 -30.4 -15.5	AZN 6.4 6.4 3.6 5.4 7.0 8.6 10.6 7.7	SEC TO 386. AZSUN -81.6 -80.7 -81.1 -81.4 -82.3 -83.5 -83.5 -83.5	IMPACT.491  AZA 55.0 49.4 50.3 44.1 38.5 43.9 48.7 54.2	ALT 855-39410 A= 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132	LA 8/A 0.897 0.918 0.988 0.956 0.912 0.872 0.817 0.865	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	ON -396 INCD 68-5 64-6 61-3 64-0 66-9 67-6 68-6	25 PHAZ 40.3 47.6 53.2 47.8 42.4 42.2 47.9	R 90.84 80.66 23.4 11.7 17.8 25.3 29.7 35.9	V 9 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 24.3 23.0 14.2	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTUR PHOTO DAT PT LAT 1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355 9 -15.360 10 -12.299 11 -9.466	Y DATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471 -26.702 -26.893	KANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.83595 941.70882 922.42502 887.56649 867.38892	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9 -30.4 -15.5 -22.0	AZN 6.4 6.4 3.6 5.4 7.0 8.6 10.6 7.7 4.9 4.2	SEC TO 386.  AZSUN -81.6 -80.7 -81.1 -81.4 -82.3 -83.5 -82.2 -81.0 -80.8 -80.8	IMPACT.491  AZA 55.0 49.4 50.3 44.1 38.5 43.9 48.7 54.2	ALT 855-39410 A= 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132	LA 8/A 0.897 0.918 0.988 0.956 0.912 0.872 0.817 0.865	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	ON -396 INCD 68-5 64-6 61-3 64-0 66-9 67-6 68-6	25 PHAZ 40.3 47.6 53.2 47.8 42.4 42.2 47.9	R 90.84 80.66 23.4 11.7 17.8 25.3 29.7 35.9	V 9 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 24.3 23.0 14.2	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355 9 -15.360 10 -12.299 11 -9.466 22 -7.306	Y DATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471 -26.702 -26.893 -29.650	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.8395 941.70882 922.42502 887.56649 867.38892	AZS/C -27.4 -40.6 -36.6 -57.5 -52.6 -41.9 -30.4 -15.5 -22.0 -36.6	AZN 6.4 6.4 3.6 5.4 7.0 8.6 10.6 7.7 4.9 4.2 3.6	SEC TO 386.  AZSUN -81.5 -80.7 -81.1 -82.3 -83.5 -82.2 -81.0 -80.8 -80.7 -80.7 -80.7	IMPACT.491  AZA 55.0 49.4 50.3 44.1 38.5 43.9 48.7 54.2	ALT 855-39410 A= 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132	LA 8/A 0.897 0.918 0.988 0.956 0.912 0.872 0.817 0.865	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	ON -396 INCD 68-5 64-6 61-3 64-0 66-9 67-6 68-6	25 PHAZ 40.3 47.6 53.2 47.8 42.4 42.2 47.9	R 90.84 80.66 23.4 11.7 17.8 25.3 29.7 35.9	V 9 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 24.3 23.0 14.2	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 8 -15.355 9 -15.380 10 -12.299 11 -9.466 12 -7.306	Y DATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471 -26.702 -26.893 -29.650 -27.035	RANGE 941.71774 904.891.83 867.38892 883.57721 913.44419 976.83595 942.42502 887.56649 867.38892 855.99914 860.12665	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9 -30.4 -15.5 -22.0 -36.6 18.9 -70.3	AZN 6.4 6.4 3.6 5.4 7.0 8.6 17.7 4.9 4.2 3.6 1.8	SEC TO 386.4  AZSUN -81.6 -81.5 -80.7 -81.1 -81.4 -82.3 -83.5 -82.2 -81.0 -80.7 -80.7	IMPACT.491  AZA 55.0 49.4 50.3 44.1 38.5 43.9 48.7 54.2	ALT 855-39410 A= 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132	LA 8/A 0.897 0.918 0.988 0.956 0.912 0.872 0.817 0.865	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	ON -396 INCD 68-5 64-6 61-3 64-0 66-9 67-6 68-6	25 PHAZ 40.3 47.6 53.2 47.8 42.4 42.2 47.9	R 90.84 80.66 23.4 11.7 17.8 25.3 29.7 35.9	V 9 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 24.3 23.0 14.2	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355 9 -15.360 10 -12.299 11 -9.466 12 -7.306 13 -7.132	Y DATA  LON - 19.661 - 23.776 - 26.893 - 24.082 - 21.081 - 20.640 - 20.067 - 23.390 - 26.471 - 26.702 - 26.893 - 29.650 - 27.035	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 941.70882 922.42502 867.38892 855.99914 860.12665 875.82282 904.63570	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9 -30.6 -15.5 -22.0 -36.6 18.9 -70.3	AZN 6.4 6.4 3.6 5.4 7.0 8.6 10.6 7.7 4.9 4.2 3.6 5.4	SEC TO 386.  AZSUN -81.6 -81.5 -80.7 -81.1 -81.4 -82.2 -81.0 -80.8 -80.7 -80.8 -80.8 -80.8 -80.8	IMPACT.491  AZA 55.0 49.4 50.3 44.1 38.5 43.9 48.7 54.2	ALT 855-39410 A= 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132	LA 8/A 0.897 0.918 0.988 0.956 0.912 0.872 0.817 0.865	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7	ON -396 INCD 68-5 64-6 61-3 64-0 66-9 67-6 68-6	25 PHAZ 40.3 47.6 53.2 47.8 42.4 42.2 47.9	R 90.84 80.66 23.4 11.7 17.8 25.3 29.7 35.9	V 9 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 24.3 23.0 14.2	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTUR  PHOTO DAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355 9 -15.360 10 -12.299 11 -9.466 12 -7.306 13 -7.132 14 -6.939 15 -6.722	Y DATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471 -26.702 -26.893 -29.650 -21.386 -21.386	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 941.70882 922.42502 887.56649 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -15.9 -30.4 -15.5 -22.0 -36.6 18.9 -70.3 -80.4 -83.3	AZN 6.4 6.4 3.6 5.4 7.0 8.6 10.6 7.7 4.9 4.2 3.8 3.2 4.6	SEC TO 386. AZSUN -81.6 -80.7 -81.1 -82.3 -83.5 -82.2 -81.0 -80.8 -80.8 -80.8 -80.8 -80.8	IMPACT 491 AZA 55.0 49.4 50.3 44.1 38.5 43.9 48.7 60.2 55.3 51.7 38.8 33.3 28.4	ALT 855-39410 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132 43-40804 41-98233 40-85075 38-11637 39-57919 40-94421 42-06660	LA -6. B/A 0.897 0.918 0.956 0.918 0.950 0.865 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.9	ON -396 INC D 68-5 64-6 65-6 68-6 68-6 61-3 560-9 63-6 69-6	25 PHAZ 40.3 47.6 47.8 42.4 42.2 47.9 53.2 53.2 53.2 53.7 48.4	R 90.84' EMIS 30.6 23.4 11.7 17.8 25.3 29.7 35.9 119.0 111.7 12.6 7.4 15.2 123.4	V 2.230  ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 5.6 7.2 7.7 -0.6 7.2 23.3 31.6	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673 89.9873 89.9873 105.37200 78.75903 82.44868 87.86875 95.72962	AZ 6.195 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-110 11-12 11-12 11-13 11-14 14-15 15-16
TRAJECTUR PHOTO DAT PT LAT 1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 0 10 -12.299 11 -9.466 12 -7.306 13 -7.132 14 -6.939 15 -6.722 16 -6.473 17 -9.001	Y DATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.67 -23.390 -26.471 -26.702 -26.893 -29.650 -27.035 -24.300 -21.386 -18.214	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 941.70882 922.42502 867.36892 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251 959.43393	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9 -30.4 -15.5 -22.0 -36.6 18.9 -70.3 -80.4 -83.7 -85.3	AZN 6.4 3.6 5.4 7.0 8.6 10.6 7.7 4.2 3.6 1.8 3.2 4.6 5.9	SEC TO 386.  AZSUN -81.6 -81.5 -80.7 -81.1 -81.4 -82.8 -80.7 -80.8 -80.7 -80.7 -80.5 -81.5	IMPACT 491  AZA 55.0 49.4 50.3 44.1 38.5 43.9 48.7 66.2 55.3 51.7 38.8 33.3 433.5	ALT 855-39410 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 6-00527 44-54132 43-40804 41-98233 40-85075 38-11637 39-57919 40-94421 42-06660 43-9925 44-50964	LA -6. B/A 0.897 0.918 0.956 0.956 0.872 0.867 0.898 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988 0.988	T L 474 -29 AZPHAZ -93.5 -90.2 -85.6 -85.2 -85.2 -95.7 -95.2 -94.8 -90.2 -82.2 -85.6 -80.9 -80.1 -79.0 -84.2	ON396 INC D 68666666666666666666.	25 PHAZ3 47.6 53.2 42.8 42.2 53.2 53.2 53.2 53.7 53.7 53.7	R 90.84' EMIS 30.6 23.4 11.7 17.8 25.3 29.7 35.9 27.1 19.0 7.4 15.2 23.4 13.4	V 2.230  ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 5.6 7.2 23.3 31.6 32.9 33.2	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673 89.9873 89.9873 105.37200 78.75903 82.44868 87.86875 95.72962 77.56845	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-110 11-12 12-13 13-14 14-15 16-17 17-18
TRAJECTUR PHOTO DAT PT LAT 1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355 9 -15.360 10 -12.299 11 -9.466 12 -7.306 13 -7.132 14 -6.939 15 -6.722 16 -6.473 17 -9.001 18 -12.088	Y OATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.667 -23.390 -26.471 -26.702 -26.493 -29.650 -27.035 -24.300 -21.386 -18.214 -17.802 -17.191	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.83595 941.70882 922.42502 887.56649 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251 959.43393 986.05597	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9 -15.5 -22.0 -36.6 18.9 -70.4 -83.7 -85.3 -72.9 -60.4	AZN 6.4 3.6 5.4 7.0 8.6 10.6 7.7 4.9 4.2 3.6 1.8 3.2 4.6 5.1 8.6	SEC TO 386.  AZSUN -81.65 -80.7 -81.1 -61.4 -82.3 -82.2 -81.0 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.5 -83.1 -85.0	IMPACT 491 A5.0 49.4 50.3 43.7 54.2 65.6 50.3 46.1 38.5 38.8 33.3 28.4 33.3 28.4 33.8	ALT 855-39410 43.56268 43.00436 40.85075 41.79219 42.98572 44.30965 46.00527 44.54132 43.40804 41.98233 40.85075 38.11637 39.57919 40.94421 42.06660 43.49225 44.50964 45.99229 47.99105	LA -6. 8/A 0.897 0.918 0.956 0.975 0.817 0.865 0.988 0.	T L474 - 29 AZPHAZ - 93.5 - 90.2 - 85.6 - 85.2 - 95.7 - 95.2 - 94.8 - 90.2 - 94.8 - 90.2 - 94.8 - 90.2 - 90.3 - 90.3	ON .396 INC D 68.56 64.66 65.66 65.66 65.66 66.66 670.17	25 PHAZ3 47.6 53.2 42.4 42.2 53.2 53.2 53.2 53.7 48.4 47.9 53.2 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7	R 90.84' EMIS 30.66 23.47 117.8 25.37 29.77 35.9 30.6 119.0 11.77 7.4 11.77 11	y 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 5.6 7.2 7.7 -0.6 7.2 23.3 31.6 32.9 33.2	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 77.03673 89.98787 72.98861 85.99451 105.37200 78.75903 82.486875 95.72962 77.56845 95.25340 105.06625	AZ 6.195 PT-PT 0-1 1-2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-12 12-13 11-15 15-16 17-18
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 8 -15.355 9 -15.360 10 -12.299 11 -9.466 12 -7.306 12 -7.306 13 -7.132 14 -6.939 15 -6.722 16 -6.473 17 -9.001 18 -12.088 19 -15.465 20 -19.295	Y OATA  LON -19.661 -23.76-26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471 -26.702 -24.300 -21.386 -18.214 -17.802 -17.191 -16.377	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.83595 941.70882 922.42502 887.56649 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251 959.43393 986.05557 1031.29910	AZS/C -27.4 -40.6 -36.6 -57.5 -52.6 -41.9 -30.4 -15.5 -22.0 -36.6 10.3 -80.4 -83.7 -85.3 -72.9 -70.9 -70.9	AZN 6.4 6.4 7.0 8.6 10.6 7.7 4.9 4.2 3.2 4.6 5.9 7.1 1.8 4.7	SEC TO 386.  AZSUN -81.6	IMPACT. 491  AZA 55.0 49.4 50.3 44.1 38.5 44.7 54.2 55.6 50.6 33.6 33.6 33.7	ALT 855-39410 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132 40-85075 38-11637 39-57919 40-94421 42-06660 43-49225 44-50964 45-9929 47-92105	LA -6. 8/A 0.8978 0.9988 0.956 0.912 0.8165 0.8958 0.968	T L 474 - 29 AZPHAZ - 90.2 - 85.6 - 85.2 - 95.7 - 95.2 - 94.8 - 90.2 - 95.7 - 95.2 - 84.8 - 90.2 - 86.0 - 80.9 - 80.1 - 79.0 - 84.2 - 90.3 - 96.3 - 96.3 - 96.3 - 96.3	ON -396 INC D 68-56 64-66 65-4 65-4 67-1 73-1	25 PHA 2 40.3 47.6 53.2 42.4 42.5 42.5 53.2 53.2 53.7 43.1 37.5 37.5	R 90.84' EMIS 30.6 11.7 17.8 25.37 35.6 27.1 19.0 11.7 12.6 11.7 12.6 13.7 13.7 13.7 13.7 13.7 13.7 13.7 13.7	V 2.230  ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 7.7 7.0 6 7.2 15.2 23.3 31.6 32.9 33.2 32.1 29.8	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673 89.98787 92.98861 105.37200 78.75903 82.44868 87.86875 95.72962 77.56845 95.25340	AZ 6.195 PT-PT 0-1 1-2-3 3-4 4-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-11 13-14 14-15 16-17 17-18 18-19
TRAJECTUR PHOTO DAT PT LAT 1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 8 -15.355 9 -15.386 10 -12.299 11 -9.466 12 -7.306 13 -7.132 14 -6.939 17 -9.001 18 -12.088 19 -15.465 20 -19.295 21 -19.020	Y DATA  LON 19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471 -26.702 -26.893 -24.300 -27.035 -24.300 -21.386 -18.214 -17.802 -17.191 -16.377 -15.246	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.83595 941.70882 922.42502 867.56649 867.38892 925.49914 860.12665 875.82282 904.63570 948.81251 959.43373 986.05557 1031.29910 1100.82552	AZS/C -27.4 -40.6 -36.6 -57.6 -52.6 -41.9 -30.4 -10.3 -80.4 -83.7 -70.3 -80.4 -83.3 -70.3 -80.4 -83.3 -70.3	AZN 6.4 6.4 6.4 6.4 7.0 8.6 10.6 7.7 4.9 2.3 8.6 10.6 7.7 1.1 8.6 10.7 13.4 17.0 113.4	SEC TO 386.  AZSUN -81.5 -80.7 -81.1 -81.4 -82.3 -83.5 -82.2 -81.0 -80.8 -80.7 -80.8 -80.8 -80.7 -80.8 -80.8 -80.7 -80.8 -80.8 -80.7 -80.8	IMPACT. 491  AZA 55.0 49.4 50.3 44.1 38.5 44.7 50.6 50.6 31.7 38.8 33.6 33.6 43.7 53.6	ALT 855-39410 43-56268 43-00436 40-85075 41-79219 42-98572 44-30965 66-00527 44-54132 40-85075 38-11637 39-57919 40-94421 42-06660 43-4925 44-50964 45-59964 45-59964 45-59964 46-59964	LA -6. B/A 0.897 0.918 0.956 0.912 0.865 0.950 0.968 0.	T LY A774 - 279 AZPHAZ - 33.5 - 90.2 - 85.6 - 85.2 - 90.2 - 94.8 - 90.2 - 94.8 - 90.2 - 94.8 - 90.2 - 94.8 - 90.3 - 96.3	ON 396 INCD 68.5 64.6 61.3 66.9 67.6 68.6 65.4 61.3 69.6 71.6 72.1 72.1	25 PHAZ 40.3 47.6 42.4 42.5 47.9 53.2 42.5 53.7 48.4 43.1 37.5 37.5 37.5 38.4 31.4 31.4 31.4 31.4 31.4 31.4 31.4 31	R 90.84' EMIS 30.64 11.78 25.35 29.77 35.66 27.11 19.07 11.77 47.55 23.47 15.22 23.47 13.37 11.78 13.47 14.47 14.4	9 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 5.6 7.2 7.7 -0.6 7.2 15.2 23.3 31.6 32.9 33.2 32.1 29.8	PTH -70.073 11  SCALE 0.26.94371 124.08847 84.13301 89.83654 91.16890 99.55615 97.03673 89.98787 92.98861 85.99451 105.37200 78.75903 82.44868 87.86875 95.272962 77.56845 95.27340 105.06625 120.53605 116.27339	AZ 6.195 PT-PT 0-1 1-2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 13-14 14-15 16-17 117-18 18-19 18-19 20-21 21-22 21-22
TRAJECTUR  PHOTO DAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355 9 -15.360 10 -12.299 11 -9.466 12 -7.306 13 -7.132 14 -6.939 15 -6.722 16 -6.473 17 -9.001 18 -12.088 19 -15.465 20 -19.295 21 -19.020 22 -18.851	Y CATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.667 -23.390 -26.471 -26.702 -24.303 -29.650 -27.035 -24.300 -21.386 -18.214 -17.802 -17.191 -16.377 -15.246 -19.299 -22.887 -26.883	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.83595 941.70882 922.42502 887.56649 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251 959.4393 986.05557 1031.29910 1100.82552 1037.91486 997.59872 475.12205	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.0 -36.6 -15.5 -22.0 -36.6 -15.5 -22.0 -36.6 -34.4 -50.4 -50.4 -50.4 -50.4 -50.4 -24.1 -11.9	AZN 6.4 6.4 6.4 6.4 7.0 8.6 10.6 7.7 4.9 2 3.8 8 3.2 4.9 7.1 8 1.3 4 17.3 5.8	SEC TO 380 N AZSUN -81.5 -80.7 7 -81.1 -81.4 -82.3 -83.5 2 -81.0 8 -80.7 -80.8 -80.7 -80.5 -83.1 -80.5 -83.1 -83.3	IMPACT. 491  AZA 55.0 49.4 55.0 49.4 38.5 44.1 38.5 48.7 66.2 65.3 50.3 746.1 38.8 33.8 33.8 48.7 48.1 58.5	43.56268 43.00436 40.85075 41.79219 42.98572 44.30965 46.00527 44.54132 43.40804 41.98233 40.85075 38.11637 39.57919 40.94421 42.06660 43.49225 44.509229 47.92105 50.50367 48.22486 46.52515	LA -6. B/A 0.8978 0.9988 0.912 0.8172 0.8172 0.865 0.9588 0.9689 0.9880 0.9880 0.9880 0.9879 0.8179 0.	T L474 - 29 AZPHAZ - 93.5 - 90.2 - 85.6 - 85.2 - 90.2 - 95.7 - 95.7 - 95.2 - 94.8 - 90.2 - 95.7 - 95.6 - 80.9 - 80.9 - 80.9 - 90.3 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 -	ON -396 INCD 68.5 64.0 66.9 66.3 66.6 65.4 66.5 61.8 60.9 63.6 60.9 63.6 66.9 67.2 66.6 67.2 67.2	25 PHAZ 40.3 47.6 47.8 42.4 42.5 42.5 53.2 53.7 53.7 1 37.1 37.5 37.1 37.2 37.2 37.2 37.2 37.2 37.2 37.2 37.2	R 90.84' S30.64 117.83 229.77 125.35.99 30.61 119.00 119.0	9 2.230 ALPHA 27.5 15.7 7.7 15.9 24.3 24.3 24.3 24.0 14.2 7.7 7.7 7.6 7.2 15.2 23.3 31.6 32.9 33.2 33.2 33.2 32.0 32.9 33.2 33.2 32.0 3	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673 89.98787 92.98861 85.99451 105.37200 78.75903 82.44868 87.86875 95.72962 77.56845 95.72962 105.06625 116.27339 102.91512 94.48906	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18-19 19-20 20-21 21-22 22-22 22-22
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.386 10 -12.299 11 -9.466 12 -7.306 13 -7.132 14 -6.939 15 -6.722 16 -6.473 17 -9.001 18 -12.088 19 -15.465 20 -19.295 21 -19.020 22 -18.851 23 -18.857 24 -18.723	Y OATA  A  LON  19.661  -26.893  -24.082  -21.081  -20.640  -20.067  -23.390  -26.471  -26.702  -21.366  -18.214  -17.802  -17.15.246  -19.299  -22.887  -24.300  -21.366  -18.214  -17.802  -17.929  -22.887  -24.300  -24	RANGE 941.71774 904.891.83 867.38892 883.57721 913.44419 976.83595 941.70882 922.42502 887.56649 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251 1031.29910 1100.82552 1037.91486 997.53872 975.12205	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9 -36.6 -18.9 -70.3 -80.4 -50.6 -34.4 -50.4 -24.1 -11.9 1.5	AZN 6.4 6.4 3.6 5.4 7.0 8.6 10.6 7.1 8.6 1.8 3.2 4.6 5.9 1.3 1.7 1.3 1.7 1.3 1.7 1.3 1.6 1.7 1.3 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	SEC TO 386. AZSUN 6-81.5-80.7-81.1-81.4-82.3-83.5-82.2-81.0-80.7-80.7-80.7-80.7-80.7-80.7-80.7-80	IMPACT. 491  AZAO 49.4 55.0 49.4 50.3 51.7 60.2 650.3 51.7 38.8 43.7 28.4 53.3 38.8 43.1 53.1 54.1 53.1 54.1	ALT 855-39410 43.56268 43.00436 40.85075 41.79219 42.48572 44.30965 46.00527 44.54132 43.40804 41.98233 40.85075 38.11637 39.57919 40.94421 42.06660 43.49225 54.50964 45.99229 47.92105 50.50367 48.22486 46.25215 46.25215	LA. 0 -6.  B/A 0.997. 0.998. 0.998. 0.998. 0.998. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988. 0.988.	T L9 474 - 29 AZPHAZ - 93.5 -90.2 -85.6 -85.2 -85.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.9 -80.1 -79.0 -84.2 -90.3 -102.2 -99.4	ON .396 INCD 68.5 66.4 0 66.4 66.4 66.4 66.4 66.4 66.4 66	25 PHA2 40.3 40.3 47.8 42.2 47.9 53.2 53.2 53.3 53.3 37.1 38.4 37.3 37.1 38.3 37.1 38.3 37.1 38.3 37.1	R 90.84' 11.7 17.8 23.4 11.7 17.8 29.7 33.0.6 27.1 12.6 27.1 12.6 23.4 13.7 13.3 29.7 33.4 13.7 13.3 29.7 33.4 13.7 13.3 29.7 33.4 33.7 33.4 33.7 33.4 33.7 33.6 33.7 33.6 33.7 33.6 33.7 33.6 33.7 33.6 33.7 33.7	9 2.230  ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 7.7 -0.6 7.2 15.2 23.3 31.6 32.9 33.2 20.3 21.1 29.8 20.3	PTH -70.073 11  SCALE 0. 126.94371 124.08847 84.13301 89.83654 91.16890 99.55615 97.03673 89.98787 92.98861 105.37200 78.75903 82.44868 87.86875 95.272962 77.56845 95.27340 105.06625 110.27339 102.91512 94.48908 89.16068	AZ 6.195 PT-PT 0-1 1-2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 11-18 18-19 20-21 22-22 22-23 23-24
TRAJECTUR  PHOTO DAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 6 -12.147 7 -15.386 8 -15.355 9 -15.360 10 -12.299 11 -9.466 12 -7.306 13 -7.132 4 -6.939 15 -6.722 16 -6.473 17 -9.001 18 -12.088 19 -15.465 20 -19.202 21 -18.513 23 -18.757 24 -18.753 25 -15.396	Y OATA  LON -19.601 -23.761 -26.893 -24.082 -21.081 -20.6407 -23.390 -26.471 -26.702 -21.386 -27.035 -24.300 -21.386 -18.214 -17.802 -17.191 -16.377 -15.246 -19.299 -22.887 -20.881 -29.289	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 941.70882 922.42502 887.56649 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251 959.43393 986.05557 1031.29910 100.82552 1037.91486 997.59872 475.12205 967.69039	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -41.9 -30.4 -15.5 -22.0 -36.6 -83.7 -85.3 -72.9 -50.4 -50.4 -24.1 -11.9 1.5 2.0	AZN 6.4 6.4 6.4 7.0 8.6 10.6 17.7 4.9 4.9 4.6 13.4 17.0 13.4 17.3 9.5 2.1	SEC TO 380 N AZSUN 6-81.5 -80.7 -81.4 -82.3 -83.5 -80.7 -80.8 -80.7 -80.8 -80.7 -80.5 -83.1 -81.6 -80.5 -83.1 -81.6 -80.3 -87.9 -80.8 -80.7 -80.9 -87.9 -80.8 -80.7 -80.9 -87.9 -99.9	IMPACT491  AZA 55.0 49.4 50.4 38.5 44.1 38.5 50.3 50.3 50.3 28.5 38.8 33.3 28.5 38.8 53.1 58.5	ALT 855-39410 43.56268 43.00436 40.85075 41.79219 42.98572 44.30965 46.00527 44.54132 43.40804 41.98233 40.85075 38.11637 39.57919 40.9442 42.06660 43.49225 44.50964 45.99229 47.92105 50.50367 48.22486 46.52515 56.22334 44.25073	LA 0.897 0.897 0.998 0.918 0.928 0.928 0.928 0.938 0.988	T L474 - 29 AZPHAZ - 93.5 - 90.2 - 85.6 - 85.2 - 95.7 - 95.7 - 95.7 - 95.6 - 85.6 - 85.6 - 85.6 - 80.9 - 80.1 - 79.0 - 84.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 96.7 - 90.5 - 101.5 - 100.2 - 90.7 -	ON 396 INCD 68-5 66-61-3 64-0 66-6-65-4 69-67-70-1 71-1 71-1 71-1 71-1 71-1 71-1 71-	25 PHAZ 40.3 47.8 42.2 47.8 42.2 53.0 53.0 53.7 37.1 37.1 37.1 37.1 37.1 37.1 37.1 3	R R 90.84'	9 2.230  ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 5.6 7.2 15.2 23.3 31.6 32.9 33.2 32.1 29.8 20.3 11.3 2.7 -5.6	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673 89.98787 92.98861 85.99451 105.37200 78.75903 82.44868 87.86875 95.72962 77.56845 95.72962 105.06625 116.27339 102.91512 94.48906 89.16068	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 19-20 20-21 21-22 22-23 23-24 24-25
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 8 -15.355 9 -15.360 10 -12.299 11 -9.466 12 -7.306 13 -7.132 14 -6.939 15 -6.722 16 -6.473 17 -9.001 18 -12.088 19 -15.465 20 -19.295 21 -19.020 22 -18.857 24 -18.757 24 -18.753 26 -12.389 26 -12.389	Y OATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471 -26.702 -26.873 -29.650 -21.386 -17.191 -16.377 -15.266 -19.299 -22.881 -29.289 -29.499 -29.499	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 976.83595 941.70882 922.42502 887.56649 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251 959.43393 986.05557 1031.29910 1100.82552 1037.91486 975.59872 975.12205 967.69039 976.78932 882.94077 863.21987	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -61.9 -70.3 -80.4 -785.3 -72.9 -60.4 -50.4 -24.1 -11.9 1.5 2.8 5.2	AZN 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4	SEC TO 380 N AZSUN 6-81.5 -80.7 -81.4 -82.3 -83.5 -80.7 -80.8 -80.7 -80.8 -80.7 -80.5 -83.1 -81.6 -80.5 -83.1 -81.6 -80.3 -87.9 -80.8 -80.7 -80.9 -87.9 -80.8 -80.7 -80.9 -87.9 -99.9	IMPACT491  AZA 55.0 49.4 50.4 38.5 44.1 38.5 50.3 50.3 50.3 28.5 38.8 33.3 28.5 38.8 53.1 58.5	ALT 855-39410 43.56268 43.00436 40.85075 41.79219 42.98572 44.30965 46.00527 44.54132 43.40804 41.98233 40.85075 38.11637 39.57919 40.9442 42.06660 43.49225 44.50964 45.99229 47.92105 50.50367 48.22486 46.52515 56.22334 44.25073	LA 0.897 0.897 0.998 0.918 0.928 0.928 0.928 0.938 0.988	T L474 - 29 AZPHAZ - 93.5 - 90.2 - 85.6 - 85.2 - 95.7 - 95.7 - 95.7 - 95.6 - 85.6 - 85.6 - 85.6 - 80.9 - 80.1 - 79.0 - 84.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 96.7 - 90.5 - 101.5 - 100.2 - 90.7 -	ON 396 INCD 68-5 66-61-3 64-0 66-6-65-4 69-67-70-1 71-1 71-1 71-1 71-1 71-1 71-1 71-	25 PHAZ 40.3 47.8 42.2 47.8 42.2 53.0 53.0 53.7 37.1 37.1 37.1 37.1 37.1 37.1 37.1 3	R R 90.84'	9 2.230  ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 5.6 7.2 15.2 23.3 31.6 32.9 33.2 32.1 29.8 20.3 11.3 2.7 -5.6	PTH -70.073 11 SCALE 0. 126.94371 124.68847 84.13301 89.83654 91.16890 99.55615 97.03673 89.98787 92.98861 85.99451 105.37200 78.75903 82.44868 87.86875 95.72962 77.56845 95.72962 105.06625 116.27339 102.91512 94.48906 89.16068	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 19-20 20-21 21-22 22-23 23-24 24-25
TRAJECTUR  PHOTO DAT  PT LAT  1 -11.066 2 -12.218 3 -9.466 4 -9.322 5 -9.168 8 -15.355 9 -15.360 10 -12.299 11 -9.466 12 -7.306 13 -7.132 14 -6.939 15 -6.722 16 -6.473 17 -9.001 18 -12.088 19 -15.465 20 -19.295 21 -19.020 22 -18.857 24 -18.757 24 -18.753 26 -12.389 26 -12.389	Y OATA  LON -19.661 -23.776 -26.893 -24.082 -21.081 -20.640 -20.067 -23.390 -26.471 -26.702 -26.873 -29.650 -21.386 -17.191 -16.377 -15.266 -19.299 -22.881 -29.289 -29.499 -29.499	RANGE 941.71774 904.89183 867.38892 883.57721 913.44419 936.77969 941.70882 922.42502 867.38892 855.99914 860.12665 875.82282 904.63570 948.81251 959.43393 986.05557 1031.2990 10100.82552 1037.91486 997.53872 975.12205	AZS/C -27.4 -40.6 -36.6 -57.6 -67.5 -52.6 -61.9 -70.3 -80.4 -785.3 -72.9 -60.4 -50.4 -24.1 -11.9 1.5 2.8 5.2	AZN 6.4 6.4 6.4 6.4 6.4 6.5 4 4.2 8.6 10.6 7.0 7.4 9.4 4.2 4.6 5.9 11.7 13.4 17.0 11.7 13.4 17.0 11.7 12.0 11.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.	SEC TO 380 N AZSUN 6-81.5 -80.7 -81.4 -82.3 -83.5 -80.7 -80.8 -80.7 -80.8 -80.7 -80.5 -83.1 -81.6 -80.5 -83.1 -81.6 -80.3 -87.9 -80.8 -80.7 -80.9 -87.9 -80.8 -80.7 -80.9 -87.9 -99.9	IMPACT491  AZA 55.0 49.4 50.4 38.5 44.1 38.5 50.3 50.3 50.3 28.5 38.8 33.3 28.5 38.8 53.1 58.5	ALT 855-39410 43.56268 43.00436 40.85075 41.79219 42.98572 44.30965 46.00527 44.54132 43.40804 41.98233 40.85075 38.11637 39.57919 40.9442 42.06660 43.49225 44.50964 45.99229 47.92105 50.50367 48.22486 46.52515 56.22334 44.25073	LA 0.897 0.897 0.998 0.918 0.928 0.928 0.928 0.938 0.988	T L474 - 29 AZPHAZ - 93.5 - 90.2 - 85.6 - 85.2 - 95.7 - 95.7 - 95.7 - 95.6 - 85.6 - 85.6 - 85.6 - 80.9 - 80.1 - 79.0 - 84.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 102.2 - 90.3 - 96.7 - 90.5 - 101.5 - 100.2 - 90.7 -	ON 396 INCD 68-5 66-61-3 64-0 66-6-65-4 69-67-70-1 71-1 71-1 71-1 71-1 71-1 71-1 71-	25 PHAZ 40.3 47.8 42.2 47.8 42.2 53.0 53.0 53.7 37.1 37.1 37.1 37.1 37.1 37.1 37.1 3	R R 90.84'	9 2.230  ALPHA 27.5 15.7 7.7 15.9 24.3 23.0 14.2 5.6 7.2 15.2 23.3 31.6 32.9 33.2 32.1 29.8 20.3 11.3 2.7 -5.6	PTH -70.073 11  SCALE 0. 126.94371 124.08847 84.13301 89.83654 91.16890 99.55615 97.03673 89.98787 92.98861 105.37200 78.75903 82.44868 87.86875 95.272962 77.56845 95.27340 105.06625 110.27339 102.91512 94.48908 89.16068	AZ 6.195 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 19-20 20-21 21-22 22-23 23-24 24-25

KW-AII	CAMERA	FA

JULY 31,19	64 13 HI	R 19 MIN 27	SEC 429	MS		TAB NO	125	ATL	AS PHOTO	ONO	125		POD	SEQUENCE NO	2
TRAJECTOR	Y DATA				SEC TO	IMPACT	ALT 844.65356	LA.		ON	26.0	R	V	PTH A	Z.
PHOTO DAT	A				501		Q44.02330		716 -63	• 310	230	0.109	2.239	-70.018.116	
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A+	B/A	AZPHAZ	INCD	PHAZ	EMIS	AL PHA	SCALE P	)T-I
1 -11.057				6.4		54.9	43.02707	0.897	-93.6	68.5	40.3	30.5	27.4		0-
	-23.730	893.80354		6.4	-81.5	49.3	42.47740		-90.2	64.7	47.6	23.4	15.7		1-
	-26.810	856.67014	-36.9	3.6	-80.7		40.34594		-85.6		53.2		7.8		2-
	-24.032	872.74722		5.4	-81.1		41.27990	.0.956	-85,2	64∙Ω	47.8	17.8	15.9		3-
	-21.068	902.28893		7.0	-81.3		42.46071				42.4		24.3		4-
6 -12.132 7 -15.330	-20.068	925.33875 964.82384	-52.7 -42.0	8.6 10.5	-82.3 -83.5		43.76852		-90.2 -95.7		42.2		24.3		5-
	-23.349	930-10272		7.7	-82.3		43.99233		-95.2		42.5 47.9		23.0		6- 7-
9 -15.304	-26.392	910.96481		4.9	-81.1		42.86870				53.2		5.7		8-
	-26.621	876.59997		4.2	-80.8		41.46362				53.0		7.3	91.81306	
11 -9.483	-26.810	856.67014		3.6	-80.7		40.34594				53.2		7.8	84.93211 1	
	-29.534	845.25787	16.4	1.8	-80.7	51.5	37.63840	0.969					-0.5		
13 -7.178	-26.951			3.3	-80.8		39.09584						7.3	77.78283 1	
	-24.248	865.04412		4.6	-80.8		40.44017		-80.9				15.2	81.44591 1	3-
	-21.370	893.54178		5.9			41.55055		-80.1				23.3	86.80178 1	
	-18.237	937.15205		7.1			42.95760		-79.Q					94.54292_1	
	-17.829	947.68967 973.97186		8.7	-81.5		43.96482		-84.2				32.8	76.62329 1	
			-50.4	10.7	-83.0 -85.0		45.42879 47.32840		-90.3				33.1	94.08274 1	
	-10.425		-42.7	16.9	-87.7		49.86474		-96.3				32.1 29.7		
			-34.4	13.2	-05.3		47.62156	0.746	-102.2	49. B	43.3	43.2		114.72688 2	
	-22.854		-24.2	9.5	-83.3		45.94322			44.4	48.6	38.5	11.4	101.62613 2	
	-26.105		-12.0	5.8	-81.6		44.66256		-99.4	63.4	53.8	35.6	4.0	23.32395 2	
	-29.172	955.34617	1.3	2.1	-80.0		43.68616		-98.7	60.5	59.0	34.5	-5.5	88.04368 2	
25 -15.338	-29.278	905.24879	1.7	2.0	-79.9	66.4	41.99919	0.919	-94.5		58.5		-2.5	99.46564 2	
6 -12.370	-29.373	871.89489	2.5	1.9	-80.0	62.1	40.67134	0.970	-90.2	59.2	58.4	17.6	-0.8	89.94881 2	
27 -9.619	-29.461	852.42394	4.6	1.9	-80.3	55.3	39.27670		-85.9			9.5	-0.2	83.36568 2	
27 -9.619 28 -7.351	-29.461 -29.534	852.42394 845.25787	4.6 16.4	1.9	-80.7	55.3	39.27670 37.63840	0.969	-85.9 -82.2 AS PHOTO	58.4	58.9		-0.5	83.36568 26 68.73292 2 SEOUENCE NO	7-
27 -9.619 28 -7.351	-29.461 -29.534 64 13 HF	852.42394	4.6 16.4	1.9 1.8	-80.7 SEC 10	55.3 51.5 TAB NO	39.27670 37.63840 126	0.969 ATL	-82.2 AS PHOTO т L	58.4 NO ON	58.9 126	2.6 R	POD S	68.73292 2 SEQUENCE NO	2 2
27 -9.619 28 -7.351 JULY 31,19 TRAJECTOR	-29.461 -29.534 64 13 HF Y DATA	852.42394 845.25787 R 19 MIN 32	4.6 16.4 SEC 548	1.9 1.8 I MS	-80.7 SEC 10	55.3 51.5 TAB NO IMPACT .251	39.27670 37.63840 126	0.969 ATL	-82.2 AS PHOTO т L	58.4 NO ON	58.9 126	2.6 R	POD S	68.73292 2	2 2
27 -9.619 28 -7.351 JULY 31,19 TRAJECTOR PHOTO DATA	-29.461 -29.534 64 13 HF V DATA A LON	852.42394 845.25787 R 19 MIN 32	4.6 16.4 SEC 548	1.9 1.8 I MS	-80.7 SEC TO 376.	55.3 51.5 TAB NO IMPACT .251	39.27670 37.63840 126 ALT 833.89972	0.969 ATL LA 2 -6.	-82.2 AS PHOTO  T L 551 -29 AZPHAZ	58.4 NO ON .240	58.9 126 256 PHAZ	2.6 R 9.355 EMIS	-0.5 POD S 2.237	68.73292 2' SEQUENCE NO  PTH A -69.962 116  SCALE P	2 
27 -9.619 28 -7.351 JULY 31,19 TRAJECTOR PHOTO DATA PT LAT 1 -11.048	-29.461 -29.534 64 13 HF Y DATA A LON -19.697	852.42394 845.25787 R 19 MIN 32 RANGE 918.24025	4.6 16.4 SEC 548 AZS/C -27.7	1.9 1.8 I MS	-80.7 SEC TO 376. AZSUN -81.6	55.3 51.5 TAB NO IMPACT .251 AZA 54.7	39.27670 37.63840 126 ALT 833.89972 A* 42.49057	0.969 ATL LA 2 -6. B/A 0.897	-82.2 AS PHOTO  T L  551 -29  AZPHAZ -93.6	58.4 NO ON .240 INCU 68.5	58.9 126 256 PHAZ 40.4	R 9.355 EMIS 30.5	-0.5 POD S 2.237	68.73292 2' SEQUENCE NO  PTH A: -69.962 116: SCALE P: 0.	2 2 2 1 1 1
27 -9.619 28 -7.351 ULY 31,190 TRAJECTOR PHOTO DATA T LAT 1 -11.048 2 -12.184	-29.461 -29.534 64 13 HF Y DATA A LON -19.697 -23.683	852.42394 845.25787 R 19 MIN 32 RANGE 918.24025 882.70130	4.6 16.4 SEC 548 AZS/C -27.7 -40.8	1.9 1.8 I MS	-80.7 SEC TO 376. AZSUN -81.6 -81.6	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 49.2	39.27670 37.63840 126 ALT 833.89972 A* 42.49057 41.94978	0.969 ATL LA 2 -6. 8/A 0.897 0.917	-82.2 AS PHOTO  T L  551 -29  AZPHAZ  -93.6  -90.2	58.4 NO ON .240 INCU 68.5 64.7	58.9 126 256 PHAZ 40.4 47.6	R 9.355 EMIS 30.5 23.5	-0.5 POD S 2.237 ALPHA 27.4 15.8	68.73292 2' SEQUENCE NO  PTH A-69.962 116  SCALE PO-0. 123.13697	2 12 10-1
27 -9.619 28 -7.351 BULY 31,19 TRAJECTOR PHOTO DATA T LAT 1 -11.048 2 -12.184 3 -9.500	-29.461 -29.534 64 13 Hf V DATA A LON -19.697 -23.683 -26.726	852.42394 845.25787 R 19 MIN 32 RANGE 918.24025 882.70130 845.93745	4.6 16.4 SEC 548 AZS/C -27.7 -40.8 -37.1	1.9 1.8 MS AZN 6.3 6.4 3.6	-80.7 SEC TO 376. AZSUN -81.6 -81.6	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 49.2 50.0	39.27670 37.63840 126 ALT 833.89974 42.49057 41.94978 39.84048	0.969 ATL LA 2 -6. 8/A 0.897 0.917 0.988	-82.2 AS PHOTO  T L 551 -29  AZPHAZ -93.6 -90.2 -85.6	58.4 NO ON .240 INCU 68.5 64.7 61.4	58.9 126 256 PHAZ 40.4 47.6 53.2	R 9.355 EMIS 30.5 23.5 11.8	-0.5 POD S 2.237 ALPHA 27.4 15.8 7.8	68.73292 2' SEQUENCE NO  PTH A -69.962 116  SCALE P 0. 123.13697 121.67218	2 2 2 1 2 1 - 0 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2
7 -9.619 8 -7.351 ULY 31,190 TRAJECTOR: PHOTO DATA 1 -11.048 2 -12.184 3 -9.500 4 -9.360	-29.461 -29.534 64 13 HF Y DATA A LON -19.697 -23.683 -26.726 -23.982	852.42394 845.25787 R 19 MIN 32 RANGE 918.24025 882.70130 845.93745 861.90722	AZS/C -27.7 -40.8 -37.1 -57.7	1.9 1.8 MS	-80.7 SEC TO 376. AZSUN -81.6 -80.7 -81.1	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 49.2 50.0 43.9	39.27670 37.63840 126 ALT 833.89976 A* 42.49057 41.94978 39.84048 40.76714	0.969 ATL  LA 2 -6.  8/A 0.897 0.917 0.988 0.956	-82.2  AS PHOTO  T L  551 -29  AZPHAZ  -93.6  -90.2  -85.6  -85.2	58.4 NO ON .240 INCU 68.5 64.7 61.4 64.1	58.9 126 256 PHAZ 40.4 47.6 53.2 47.8	R 9.355 EMIS 30.5 23.5 11.8 17.9	-0.5 POD S 2.237 ALPHA 27.4 15.8 7.8 16.0	68.73292 2' SEQUENCE NO  PTH A -69.962 116  SCALE P 0. 123.13697 121.67218 82.09545	2 2 1 2 1 3 1 2 3
7 -9.619 8 -7.351 ULY 31,19 TRAJECTOR PHOTO DAT. T LAT 1 -11.048 2 -12.184 3 -9.500 4 -9.360 5 -9.210	-29.461 -29.534 64 13 HF Y DATA A LON -19.697 -23.683 -26.726 -23.982 -21.053	852.42394 845.25787 RANGE 918.24025 882.70130 845.93745 861.90722 891.12945	AZS/C -27.7 -40.8 -37.1 -57.7	1.9 1.8 MS AZN 6.3 6.4 3.6 5.4 7.0	-80.7 SEC TO 376. AZSUN -81.6 -80.7 -81.1 -81.3	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 49.2 50.0 43.9 38.5	39.27670 37.63840 126 ALT 833.89974 42.49057 41.94978 39.84048 40.776714 41.93551	0.969 ATL LA 2 -6. 8/A 0.897 0.917 0.988 0.956 0.912	-82.2  AS PHOTO  T L  551 -29  AZPHAZ  -93.6  -90.2  -85.6  -85.2  -84.8	58.4 NO ON .240 INCU 68.5 64.1 64.1 67.0	256 PHAZ 40.4 47.6 53.2 47.8 42.4	R 9.355 EMIS 30.5 23.5 11.8 17.9 25.3	-0.5 POD S 2.237 ALPHA 27.4 15.8 7.8 16.0 24.3	68.73292 2' SEQUENCE NO  PTH -69.962 116  SCALE P 0. 123.13697 121.67218 82.09545 87.66584	2 2 2 3 1 1 2 3
7 -9.619 18 -7.351 ULY 31.19 TRAJECTOR PHOTO DAT. T 1.1 1.1 1.1 2 -12.184 2 -9.500 4 -9.360 5 -9.210 6 -12.115	-29.461 -29.534 64 13 Hf V DATA A LON -19.697 -23.683 -26.726 -23.982 -21.053	852.42394 845.25787 RANGE 918.24025 882.70130 845.93745 861.90722 891.12945 913.88989	AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7	1.9 1.8 3 MS AZN 6.3 6.4 3.6 5.4 7.0 8.6	-80.7 SEC TO 376. AZSUN -81.6 -80.7 -81.1 -81.3 -82.3	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 49.2 50.0 43.9 38.5 43.8	39.27670 37.63840 126 ALT 833.89972 A* 42.49057 41.94978 39.84048 40.76714 41.93551 41.93551	0.969 ATL LA 2 -6, 8/A 0.897 0.917 0.986 0.912 0.872	-82.2  AS PHOTO  T L  551 -29  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8	58.4 NO ON .240 INCU 68.5 64.7 61.4 64.1 67.0 67.7	58.9 126 256 PHAZ 40.4 47.6 53.2 47.8 42.4 42.2	2.6 R 9.355 EMIS 30.5 23.5 11.9 25.3 29.7	-0.5 POD S 2.237 ALPHA 27.4 15.8 7.8 16.0 24.3 24.3	68.73292 2' SEQUENCE NO  PTH A -69.962 116.  SCALE P 0. 123.13697 121.67218 82.09545 87.66584 88.93966	7- 2 7- 0- 1- 2- 3- 4- 5-
7 -9.619 8 -7.351 ULY 31,19 TRAJECTOR PHOTO DAT 1 -11.048 2 -12.184 3 -9.500 4 -9.360 5 -9.210 6 -12.115 7 -15.274	-29.461 -29.534 64 13 HF V DATA A LON -19.697 -23.683 -26.726 -23.982 -21.053 -20.623 -20.623	852.42394 845.25787 RANGE 918.24025 882.70130 845.93745 861.90722 891.12945 913.88989 952.80140	AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7	1.9 1.8 i MS	-80.7 376. AZSUN -81.6 -80.7 -81.1 -81.3 -83.6	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 49.2 43.9 38.5 43.8 48.5	39.27670 37.63840 126 ALT 833.89977 42.49057 41.94978 39.84048 40.76714 41.93551 43.22702 44.87335	0.969 ATL LA 2 -6. 8/A 0.897 0.917 0.988 0.956 0.912 0.872 0.818	-82.2  AS PHOTO  T L  551 -29  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2	58.4 NO ON .240 INCU 68.5 64.7 61.4 64.1 67.0 67.7 68.6	58.9 126 256 PHAZ 40.4 47.6 53.2 47.8 42.4 42.2	R 9.355 EMIS 30.5 23.5 11.8 17.9 25.3 35.8	-0.5 POD S v 2.237 ALPHA 27.4 15.8 7.8 16.0 24.3 24.3 24.3	68.73292 2' SEQUENCE NO  PTH  -69.962 116.  SCALE P 0. 123.13697 121.67218 82.09545 87.66584 88.93966 97.04961	7- 2 2 7- 0- 1- 2- 3- 4- 5-
7 -9.619 8 -7.351 ULY 31.19 TRAJECTOR PHOTO DAT. 1 -11.048 2 -12.184 3 -9.500 4 -9.360 5 -9.210 6 -12.115 7 -15.274	-29.461 -29.534 64 13 H6 7 DATA A LON -19.697 -23.683 -26.726 -23.982 -21.053 -20.623 -20.067 -23.307	852.42394 845.25787 19 MIN 32 RANGE 918.24025 882.70130 845.93745 861.90722 891.12945 913.88989 952.80140 918.47958	4.6 16.4 SEC 548 AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7 -42.1 -30.7	1.9 1.8 MS  AZN 6.3 6.4 3.6 5.4 7.0 8.6 10.5 7.7	-80.7 376, AZSUN -81.6 -81.6 -80.7 -81.1 -81.3 -82.3 -83.6 -82.3	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 49.2 50.0 43.9 38.5 43.8 48.5 53.9	39.27670 37.63840 126 ALT 833.89976 42.49057 41.94978 39.84048 40.76714 41.93551 43.22702 44.87335 43.44253	0.969 ATL  LA 2 -6.  B/A 0.897 0.917 0.988 0.956 0.912 0.872 0.818 0.865	-82.2  AS PHOTO  T L 551 -29  AZPHAZ -93.6 -90.2 -85.6 -85.6 -90.2 -95.7 -95.7	58.4 NO ON .240 INCU 68.5 64.7 61.4 64.1 67.0 67.7 68.6 65.5	58.9 126 256 PHAZ 40.4 47.6 53.2 47.8 42.4 42.2 47.9	2.6 R 9.355 EMIS 30.5 23.5 11.8 17.9 25.3 25.3 35.8 30.5	-0.5 POD S V 2.237 ALPHA 27.4 15.8 16.0 24.3 24.3 23.0 14.3	68.73292 2' SEQUENCE NO  PTH A- 69.962 116.  SCALE 0. 123.13697 121.67218 82.09545 87.66584 88.93966 97.04911 94.66732	7 - 2 - 1 - 2 - 3 - 4 - 5 - 6 - 7 -
7 -9.619 8 -7.351 ULY 31,19 TRAJECTOR PHOTO DAT. 1 -11.048 2 -12.184 3 -9.500 4 -9.360 5 -9.210 6 -12.115 7 -15.274 9 -15.249 9 -15.249	- 29.461 - 29.534 64 13 Hf y DATA A LON - 19.697 - 23.683 - 26.726 - 23.982 - 21.053 - 20.067 - 23.307 - 26.331 - 26.531 - 26.531	852.42394 845.25787 19 MIN 32 RANGE 918.24025 882.70130 845.93745 861.90722 891.12945 913.88989 952.80140 918.47958 899.48328	AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7	1.9 1.8 MS AZN 6.3 6.4 3.6 5.4 7.0 8.6 10.5 7.7 4.9	-80.7 SEC TO 376.  AZSUN -81.6 -81.6 -80.7 -81.1 -81.3 -82.3 -83.6 -82.3 -83.6	55.3 51.5 TAB NO IMPACT 251 AZA 54.7 49.0 43.9 38.5 48.5 53.9 759.7	39.27670 37.63840 126 ALT 833.89977 42.49057 41.94978 39.84048 40.76714 41.93551 43.22702 44.87335	0.969 ATL LA 2 -6. 8/A 0.897 0.918 0.956 0.912 0.872 0.818 0.865 0.865	-82.2  AS PHOTO  T	58.4 NO ON .240 INCU 68.5 64.7 61.4 64.1 67.0 67.7 68.6 65.5 62.6	256 PHAZ 40.4 47.6 53.2 42.4 42.2 42.5 53.2	R 9.355 EMIS 303.5 11.8 17.9 25.3 29.7 35.8 27.0	-0.5 POD S V 2.237 ALPHA 27.4 15.8 7.8 16.0 24.3 24.3 24.3 23.0 14.3 5.8	68.73292 2' EQUENCE NO  PTH A69.962 116.  SCALE P 0. 123.13697 121.67218 82.09545 88.93966 97.04911 94.66732 87.79942	7- 2 Z . T - 0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 -
7 -9.619 8 -7.351 ULY 31,19 TRAJECTOR PHOTO DATA 1 -11.048 2 -12.184 3 -9.500 5 -9.210 6 -12.115 7 -15.274 8 -15.247 0 -12.263 1 -9.500	- 29.461 - 29.534 64 13 HF Y DATA A LON - 19.697 - 23.683 - 26.726 - 23.982 - 21.053 - 20.623 - 20.623 - 20.631 - 26.538 - 26.538	852.4294 845.25787 8 19 MIN 32 RANGE 918.24025 882.70130 845.93745 861.90722 891.12945 913.88989 952.80140 918.47958 899.48328 885.61550 845.93745	4.6 16.4 SEC 548 AZS/C -27.7 -40.1 -57.7 -67.4 -52.7 -42.1 -30.7 -15.9	1.9 1.8 MS AZN 6.3 6.4 3.6 5.4 7.0 8.6 10.5 7.7	-80.7 376, AZSUN -81.6 -81.6 -80.7 -81.1 -81.3 -82.3 -83.6 -82.3	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 49.2 50.0 43.9 38.5 43.8 55.9 55.9 55.9	39.27670 37.63840 126 ALT 833.89977 42.49057 41.94978 39.84048 40.76714 41.93551 43.22702 44.87335 43.44253 42.32835	0.969 ATL LA 2 -6. 8/A 0.897 0.917 0.988 0.956 0.912 0.872 0.885 0.865 0.950	-82.2  AS PHOTO  T L 551 -29  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8	58.4 NO ON .240 INCU 68.5 64.7 61.4 67.0 67.7 68.6 65.5 62.6 61.9	256 PHAZ 40.4 47.6 53.2 42.4 42.2 42.5 53.2	R 9.355 EMIS 30.55 11.8 17.9 25.3 29.7 35.8 27.0 19.0	-0.5 POD S V 2.237 ALPHA 27.4 15.8 16.0 24.3 24.3 23.0 14.3	68.73292 2' SEQUENCE NO  PTH A69.962 116.  SCALE P 0. 123.13697 121.67218 20.09545 37.66584 88.93966 97.04911 49.66732 87.79942 19.63456 2	7-2
77 -9.619 88 -7.351  ULY 31,19  TRAJECTOR  PHOTO DAT. 1 LAT 1 -11.048 2 -12.184 3 -9.500 4 -9.360 5 -9.210 6 -12.115 7 -15.274 9 -15.247 9 -15.243 1 -9.500 2 -7.395	- 29.461 - 29.534 64 13 HF Y DATA A LON - 19.697 - 23.683 - 26.726 - 23.982 - 21.053 - 20.623 - 20.623 - 20.631 - 26.538 - 26.538	852.4294 845.25787 8 19 MIN 32 RANGE 918.24025 882.70130 845.93745 861.90722 891.12945 913.88989 952.80140 918.47958 899.48328 885.61550 845.93745	4.6 16.4 SEC 548 AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7 -42.1 -30.7 -15.9	1.9 1.8 MS AZN 6.3 6.4 3.6 5.4 7.0 8.6 10.5 7.7 4.2	-80.7 SEC TO 376. AZSUN -81.6 -80.7 -81.1 -81.3 -82.3 -82.3 -81.1 -81.8	55.3 51.5 TAB NO IMPACT .251 AZA 54.7 2 50.0 43.9 38.5 43.8 48.5 53.9 59.7 55.2 50.0	39.27670 37.63840 126 ALT 833.89977 42.49057 41.94978 39.84048 40.76714 41.93551 43.22702 44.87335 43.44253 42.32835 40.94408	0.969 ATL LA 2 -6. 8/A 0.897 0.912 0.956 0.912 0.872 0.818 0.865 0.895 0.990 0.988	-82.2 AS PHOTO T L 551 -29  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -95.7 -95.2 -94.8	58.4 NO ON .240 INCU 68.5 64.7 61.4 67.7 68.6 65.5 62.6 61.9	58.9 126 256 PHAZ 40.4 47.8 42.4 42.5 47.9 53.2 53.2 53.2	2.6 R 9.355 EMIS 30.5 11.8 17.9 225.8 30.5 27.0 11.8	-0.5 POD S v 2.237 ALPHA 27.4 15.8 7.8 16.0 24.3 24.3 24.3 24.3 24.3 24.3 24.3 24.3	68.73292 2' EQUENCE NO PTH A-69.962 116. SCALE P 0. 123.13697 121.67218 82.09545 88.93966 97.04911 94.66732 87.79942 90.63456 90.63456 83.86727 1'	7- 2 2 1-1 1-1 2-3-4-5-6-7-8-9-10-
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TRAJECTOR  PHOTO DAT.  TRAJECTOR  PHOTO DAT.  T LAT  1 -11.048  3 -9.500  5 -9.210  6 -12.115  7 -15.274  8 -15.243  9 -15.247  0 -12.263  1 -9.500  2 -7.395  3 -7.224  4 -7.035  5 -6.823  6 -6.820  7 -9.047	-29.461 -29.534 64 13 Hf V DATA A LON -19.697 -23.683 -26.726 -21.053 -20.623 -20.067 -23.307 -26.538 -26.726 -29.416 -26.538 -26.726 -29.416 -21.352 -21.352 -21.855 -21.855 -17.265	852.42394 845.25787 RANGE 918.24025 882.70130 845.93745 861.90722 891.12945 913.88989 952.80140 918.47958 899.48328 845.93745 834.50397 836.77836 854.25945 882.44775 925.50048 935.950048	4.6 16.4 SEC 548 AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -12.1 -30.7 -22.4 -37.1 13.7 -70.0 -80.1 -83.5 -85.5 -85.1	1.9 1.8 MS AZN 6.3 6.4 3.6 5.4 7.0 8.6 10.5 7.7 4.9 4.2 3.6 1.8 3.3 4.6 5.2 7.2 8.7	-80.7 SEC TO 376. AZSUN -81.6 -81.6 -81.6 -81.3 -82.3 -83.6 -80.7 -80.8 -80.7 -80.8	55.3 51.5 TAB NO IMPACT .251 AZA 749.2 50.0 938.5 43.8 53.7 55.2 50.0 51.3 45.2 38.8 33.7 33.8	39.27670 37.63840 126 ALT 833.89977 42.49057 41.94978 39.84048 40.76714 41.93551 43.422702 44.87335 40.344253 42.32835 40.94408 37.15991 38.61222 39.93585 41.03448 42.42335 43.42021 44.86537	0.969 ATL  LA -6.  8/A 0.897 0.917 0.988 0.956 0.912 0.872 0.818 0.865 0.999 0.989 0.969 0.969 0.989 0.988 0.879 0.8879 0.8812	-82.2  AS PHOTO  T 29  AZPHAZ -93.6 -90.2 -85.6 -85.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -84.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2	58.4 NO ON .240 INCU 68.5 64.7 61.4 64.1 67.0 68.6 65.5 62.6 61.4 58.6 61.1 63.7 66.5 69.5 70.1	58.9 126 256 PH0.4 407.6 537.8 42.4 42.5 537.8 42.4 533.0 53	2.6 R 9.355 EMIS 23.5 11.8 29.7 30.5 27.0 19.8 2.7 7.5 23.4 23.5 23.5 27.0 25.3 27.0	-0.5 POD S v 2.237 ALPHA 27.4 15.8 16.0 24.3 24.3 24.3 24.3 24.3 27.8 -0.4 7.8 -0.4 15.3 23.0 33.0 33.0	68.73292 2' EQUENCE NO  PTH A- 69.962 116.  SCALE P 0. 123.13697 121.67218 82.09545 88.93966 97.04911 94.66732 87.79942 90.63456 97.04911 76.80595 180.44327 1102.78113 176.80595 175.67803 175.67803 175.67803 175.67803	7- 2 2 T- 0-12-3-45-6-7-8-9-0-12-3-15-16-17-
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7 -9.619 28 -7.351  IULY 31,19  TRAJECTOR  PHOTO DAT. 1 -11.048 2 -12.184 3 -9.500 6 -12.115 7 -15.274 9 -15.247 0 -12.263 1 -9.500 127.395 5 -6.823 6 -6.580 7 -7.035 5 -9.047 8 -15.058 9 -15.350	-29.461 -29.534 64 13 Hf Y DATA A LON -19.697 -23.683 -26.726 -23.982 -21.053 -20.623 -20.623 -20.623 -29.416 -24.358 -24.156 -29.416 -21.352 -21.352 -21.352 -21.352 -21.352 -21.352 -21.352 -21.352 -21.352 -21.352 -21.352	852.4294 845.25787 8 19 MIN 32 8 19 MIN 32 8 19 MIN 32 8 19 18 24025 8 19 19 19 19 19 19 19 19 19 19 19 19 19	4.6 16.4 SEC 548 AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7 -42.1 -30.7 -113.7 -70.0 -80.1 -83.5 -85.1 -72.8 -60.4 -50.5	1.9 1.8 MS  AZN 6.3 6.4 3.6 5.4 7.0 8.6 10.7 4.9 4.2 3.6 1.8 3.3 4.6 5.9 7.2 8.7 10.7 13.3	-80.7 SEC TO. 376. AZSUN -81.6 -81.6 -80.7 -81.3 -82.3 -82.3 -81.1 -80.8 -80.8 -80.8 -80.8 -80.7 -80.6 -80.8 -80.8 -80.7 -80.8 -80.8 -80.8 -80.8 -80.7 -80.8 -80.8 -80.8 -80.8	55.3 51.5 TAB NO IMPACT 251 A2.4 49.2 50.0 9.38.5 43.8 48.5 53.7 55.2 50.0 51.3 43.8 43.8 43.8 43.8 43.8	39.27670 37.63840 126 ALT 833.89977 42.49057 41.94978 39.84048 40.76714 41.93551 43.22702 44.8735 43.44253 40.94408 37.15991 38.61222 39.93585 41.03488 42.42335 42.42335 43.42021 44.86537 46.73580 49.22607	0.969 ATL LA -6. B/A 0.9917 0.988 0.956 0.912 0.818 0.865 0.998 0.989 0.989 0.980 0.986 0.968 0.968 0.968 0.968 0.968 0.968 0.976 0.879 0.988 0.865 0.879 0.988 0.865 0.879 0.988 0.865 0.879 0.988 0.969 0.988 0.969 0.985	-82.2  AS PHOTO  T 29  AZPHAZ -93.6 -90.2 -85.6 -85.2 -94.8 -90.2 -85.6 -82.2 -94.8 -90.2 -81.6 -80.9 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3	58.4 NO ON .240 INCU 68.5 64.7 64.1 67.7 68.6 61.4 67.7 68.6 61.4 67.7 68.6 61.4 67.7 68.6 61.4 77.7 68.6 61.7 68.6 77.7 68.6 77.7 68.6 77.7 68.6 77.7 68.6 77.7 68.6 77.7 68.6 77.7 68.6 77.7 68.6 77.7 68.6 77.7 68.6 77.7	58.9 126 256 PH0.4 47.6 53.8 42.5 53.0 42.5 53.0 42.5 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53	2.66  R 9.355  EMIS 30.55 11.88 17.99 25.3 27.0 19.98 12.7 7.55 23.4 31.7 33.7 37.1 449.4	-0.5 POD S V 2.237 ALPHA 15.8 16.0 24.3 24.3 24.3 24.3 24.3 24.3 24.3 24.3	68.73292 2 EQUENCE NO  PTH A -69.962 116.  SCALE P 0. 123.13697 121.67218 82.09945 88.493966 87.69481 94.66732 87.79942 90.63456 97.04911 76.80595 1. 80.44327 1. 75.67803 1. 75.67803 1. 72.91149 1. 72.37808 1. 72.37808 1. 72.37808	7- 2 2 1-01-2-3-4-5-6-7-8-9-12-13-14-15-18-19-1
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77 -9.619 28 -7.351  ULY 31,19  TRAJECTOR  PHOTO DAT.  1 -11.048 2 -12.184 3 -9.500 6 -12.115 7 -15.274 9 -15.247 0 -12.263 3 -7.224 4 -7.035 5 -6.580 7 -9.047 8 -12.058 9 -15.350 6 -6.580 0 -19.077 11 -18.811	-29.461 -29.534 64 13 HF Y DATA A LON -19.697 -23.683 -26.726 -23.982 -21.053 -20.623 -20.623 -20.647 -24.3067 -24.307 -24.307 -26.351 -24.196 -21.352 -11.265 -17.261 -16.472 -16.472 -16.472 -16.472 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261 -16.472 -17.261	852.42994 845.25787 8 19 MIN 32 8 19 MIN 32 8 19 MIN 32 8 19 2025 8 1025 8 1025 8 1025 8 1025 8 1025 8 102	AZS/C -27.7 -40.8 -37.1 -57.7 -42.1 -30.7 -15.9 -22.4 -37.1 13.7 -70.0 -80.1 -80.1 -50.5 -85.1 -72.8 -60.4 -50.5 -42.7 -34.3	1.9 1.8 MS  AZN 6.3 6.4 6.3 6.4 6.5 6.4 6.2 3.6 6.4 6.2 3.6 6.4 6.2 3.6 6.4 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	-80.7 SEC TO. 376.  AZSUN -81.6 -81.6 -80.7 -81.1 -81.3 -82.3 -82.3 -82.3 -81.1 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -85.8 -85.0 -85.0	55.3 51.5 TAB NO IMPACT 251 A2A 54.2 50.9 38.5 48.5 53.9 55.0 51.3 48.5 53.9 53.9 54.3 53.9 53.9 53.9 54.3 54.3 54.3 54.3 55.0 56.0	39.27670 37.63840 126  ALT 833.89977 42.49057 41.94978 39.84048 42.49355 40.94408 37.15991 38.61222 39.93585 40.94408 37.15991 38.61222 39.93585 40.93448 42.42335 40.93448 42.42335 40.93448 42.42335 43.42021 44.86537 46.73580 47.01778 45.36043	0.969 ATL LA 2 -6. 8/A 0.897 0.917 0.918 0.916 0.912 0.818 0.865 0.912 0.819 0.956 0.912 0.819 0.956 0.912 0.819 0.956 0.918	-82.2  AS PHOTO  T 29  AZPHAZ -93.6 -90.2 -85.6 -85.2 -85.6 -90.2 -95.7 -95.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -101.1 -1100.2	58.4 NO ON .240 1 INCU 66.5 66.5 66.5 65.5 65.5 66.5 61.1 69.5 73.5 69.5 73.5 69.7	58.9 126 256 PHAZ 47.6 47.6 47.6 42.4 42.5 42.5 53.2 53.2 53.2 53.2 53.2 53.3 73.2 53.3 73.3 73.3 73.3 73.3 73.3 74.4 74.4 7	2.6 R.9.355 11.8 17.9 225.3 27.0 11.8 27.5 15.3 27.0 11.8 27.5 15.3 27.0 49.1 49.1 49.1 43.1	-0.5 POD S V 2.237 ALPHA 15.8 16.0 24.3 24.3 24.3 24.3 24.3 25.8 7.8 -0.4 15.3 23.1 32.6 32.6 20.3 11.4	68.73292 2 EQUENCE NO PTH A -69.962 116. SCALE P 0. 123.13697 121.67218 82.09545 88.9966 97.04911 94.66732 87.79942 90.63456 73.86727 11 76.80595 1. 80.49267 11 75.67803 11 75.67803 11 113.18682 23.38081 117.17561 1 113.18682 23.38323 2	7 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
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77 -9.619 28 -7.351  JULY 31,19  TRAJECTOR  PHOTO DAT.  1 -11.048 2 -12.184 3 -9.500 6 -12.115 7 -15.274 9 -15.243 9 -15.243 1 -9.500 12 -7.395 1 -9.500 12 -7.395 1 -6.580 0 -7.035 1 -7.035 1 -7.035 1 -7.035 1 -7.035 1 -18.811 1 -18.811	-29.461 -29.534 64 13 HF Y DATA A LON -19.697 -23.683 -26.726 -23.982 -21.053 -20.623 -20.623 -20.6311 -24.538 -26.726 -29.416 -24.588 -24.196 -21.352 -18.258 -17.261 -16.472 -19.258 -17.261 -16.472 -19.258 -17.261 -16.472 -19.258 -17.261 -19.258	852.42394 845.25787 8 19 MIN 32 8 19.24025 882.70130 845.93745 861.90722 891.12945 913.88989 952.80140 918.47958 899.48328 845.6135 845.50397 838.77836 845.50397 838.77836 846.5615 82.44775 925.50048 935.95020 961.88978 972.43155.95020 972.43155.9503	4.6 16.4 SEC 548 AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7 -42.1 -30.7 -15.9 -22.4 -37.1 13.7 -70.0 -80.1 -83.5 -85.1 -72.8 -60.4 -60.4 -60.4 -72.7 -34.5 -12.2	1.9 1.8 AZN 6.3 6.4 3.6 6.4 7.0 8.6 10.5 7.7 4.9 7.2 8.7 10.7 11.8 8.7 12.8 13.1 13.1 13.1 13.1 13.1 13.1	-80.7 SEC TO 376.  AZSUN -81.6 -81.6 -80.7 -81.1 -81.3 -82.3 -83.6 -80.8 -80.8 -80.8 -80.8 -80.8 -80.6 -85.6 -85.3 -85.3 -85.3	55.3 51.5 TAB NO IMPACT 251 A2A7 49.2 503.9 38.5 48.5 59.7 50.0 38.5 45.9 38.5 45.9 38.5 48.5 38.5 48.6 38.5 48.6 38.6 48.6 38.6 48.6 38.6 48	39.27670 37.63840 126  ALT 833.89977 A. 42.49057 41.94978 39.84048 42.49355 42.32835 42.32835 42.32835 42.32835 42.32835 42.32835 42.32835 42.32835 42.4253 42.4253 42.4253 42.4253 42.4253 44.7356 45.36043 44.00168 45.36043 44.09168	0.969 ATLL LA 2 -6.  8/A 0.897 0.917 0.912 0.812 0.865 0.899 0.980 0.980 0.980 0.980 0.980 0.980 0.785 0.678 0.678	-82.2  AS PHOTO  T 29  AZPHAZ -93.6 -90.2 -85.6 -80.2 -95.7 -95.2 -94.8 -90.2 -84.8 -90.2 -84.8 -90.2 -101.1 -79.0 -99.3 -102.2 -101.1 -110.2 -99.4	58.4 NO ON 1NCU 68.5 64.7 61.4 67.0 67.7 68.6 61.9 61.4 58.6 61.9 70.1 70.9 77.5 69.5 69.5 60.5	58.9 126 256 PHAZ 40.4 47.6 53.2 47.8 42.4 42.5 53.2 53.2 53.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 37.2 37.2 37.2 37.2 37.2 37.2 37.2	2.6 R. 8.355 S.23.5 S.23.5 S.23.5 S.23.5 S.25.3	-0.5 POD S 2.237 ALPHA 27.4 15.8 16.0 24.3 23.0 14.3 7.4 7.4 15.3 23.0 32.6 32.6 32.6 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0	68.73292 2 SEQUENCE NO PTH A -69.962 116. SCALE P 0.23.13697 121.67218 88.093966 87.04911 94.66732 87.79942 90.63456 176.80595 1. 80.4327 1. 102.78113 1 76.80595 1. 80.4327 1. 102.37808 11 102.37808 11 113.18882 2. 92.15824 2. 92.15824 2. 92.15824 2.	7- 2 2 7- 1-1-2-3-5-6-7-8-9-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
77 -9.619 28 -7.351  JULY 31,19  TRAJECTOR  PHOTO DAT.  1 -11.048 2 -12.184 3 -9.500 6 -12.115 7 -15.274 9 -15.243 9 -15.243 1 -9.500 12 -7.395 1 -9.500 12 -7.395 1 -6.580 0 -7.035 1 -7.035 1 -7.035 1 -7.035 1 -7.035 1 -18.811 1 -18.811	-29.461 -29.534 64 13 HF V DATA A LON -19.697 -23.683 -26.726 -23.3982 -21.053 -20.623 -20.623 -20.623 -20.623 -20.623 -21.056 -23.307 -26.311 -26.312 -21.056 -21.95 -21.	852.42394 845.25787 8 19 MIN 32 8 19 MIN 32 8 18.24025 882.70130 845.93745 861.1294 991.1294 991.1294 913.86989 9152.80140 918.4795 845.61550 845.93745 8365.61550 845.93745 8365.61550 845.93745 845.93745 845.93745 845.93745 845.93745 845.93745 845.93745 845.93745 845.93745 847.9375	4.6 16.4 SEC 548 AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7 -30.7 -15.9 -37.1 13.7 -70.0 -37.1 13.5 -60.4 -50.5 -42.7 -34.5 -42.7 -34.5	1.9 1.8 AZN 6.3 6.3 6.4 7.7 4.9 4.9 1.8 3.3 16.8 10.7 113.3 16.8 12.2 2.2	-80.7 SEC TO. 376.  AZSUN -81.6 -80.7 -81.1 -80.8 -82.3 -81.1 -80.8 -80.6 -80.8 -80.6 -80.8 -80.7 -80.6 -80.8 -80.7 -80.6 -81.5 -83.0 -85.3 -83.4 -81.5	55.3 51.5 51.5 1AB NO 1MPACT 251 A2A7 49.2 50.0 43.9 59.7 20.0 43.9 59.7 20.0 43.9 59.7 20.0 43.9 59.7 20.0 43.9 59.7 20.0 43.9 59.7 20.0 43.9 59.7 20.0 43.9 48.0 48.	39.27670 37.63840 126 ALT 833.89974 42.49057 41.94978 39.84048 40.76714 41.9355 43.22702 44.87335 43.4253 42.32835 43.4253 42.32835 43.4253 42.32835 43.42021 44.86537 46.73580 49.22607 44.86537 44.9351 44.9351 44.9351 43.42021 44.86537 44.9364 44	0.969 ATLL LA 2 -6. 8/A 0.897 0.917 0.988 0.956 0.969 0.900 0.818 0.865 0.899 0.990 0.990 0.990 0.900 0.910 0.910 0.910 0.910 0.910 0.910 0.910 0.910 0.910	-82.2  AS PHOTO  T	58.4 NO ON .240 INCU 68.5 64.7 64.1 67.0 68.6 65.5 62.6 61.4 63.7 64.1 63.7 64.1 63.7 64.1 63.7 64.1 63.7 64.1 63.7 64.1 63.7 64.1 64.1 64.1 64.1 65.5 66.5 66.5 66.5 66.5 66.5 66.5 66	58.9 126 256 PHAZ 40.4 47.6 47.8 47.8 42.2 47.8 53.2 53.0 53.7 53.7 53.7 53.7 53.7 53.7 53.7 43.1 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.8 48.8	2.6 R. 9.355 EMIS S. 23.5 11.8 125.3 30.5 225.3 30.5 25.3 30.5 25.3 37.4 49.1 438.5 35.5 438.5 35.5 438.5 35.5	-0.5 POD \$ \$ 2.237 ALPHA 27.4 15.8 7.8 16.00 14.3 24.3 24.3 24.3 24.3 24.3 24.3 24.3 2	68.73292 2 SEQUENCE NO PTH A -69.962 116. SCALE P 0. 123.13697 121.67218 82.09585 87.69584 88.93966 97.04911 94.66732 87.79942 102.78113 176.80595 11. 102.78113 176.80595 11. 175.67803 117.17561 113.18882 1102.37808 117.17561 113.18882 120.33923 120.33923 120.33928 22.15824 286.92498 286.92498 286.92498	7 2 2 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
77 -9.619 28 -7.351  ULY 31,19  TRAJECTOR  PHOTO DAT.  1 -11.048 2 -12.184 3 -9.500 4 -9.300 5 -9.210 6 -12.115 7 -15.274 9 -15.247 10 -12.263 11 -9.500 12.263 11 -9.500 6 -12.115 7 -15.274 7 -035 6 -6.823 6 -6.820 7 -9.907 10 -12.058 9 -15.350 10 -12.058 9 -15.350 10 -12.058 9 -15.350 10 -12.058 9 -15.350 10 -12.058 9 -15.350 10 -12.058 9 -15.350 10 -18.553 10 -18.553	-29.461 -29.534 64 13 Hf y DATA A LON -19.697 -23.683 -26.726 -23.982 -21.053 -20.623 -20.623 -20.307 -26.311 -23.307 -26.312 -29.416 -26.865 -21.858 -17.856	852.42394 845.25787 8 19 MIN 32 8 19.24025 882.70130 845.93745 861.90722 891.12945 913.88989 952.80140 918.47958 899.48328 845.6135 845.50397 838.77836 845.50397 838.77836 846.5615 82.44775 925.50048 935.95020 961.88978 972.43155.95020 972.43155.9503	4.6 16.4 SEC 548 AZS/C -27.7 -40.8 -37.1 -57.7 -67.4 -52.7 -42.1 -30.7 -15.9 -22.4 -37.1 13.7 -70.0 -80.1 -83.5 -85.1 -72.8 -60.4 -60.4 -60.4 -72.7 -34.5 -12.2	1.9 1.8 AZN 6.3 6.4 3.6 6.4 7.0 8.6 10.5 7.7 4.9 7.2 8.7 10.7 11.8 8.7 12.8 13.1 13.1 13.1 13.1 13.1 13.1	-80.7 SEC TO 376.  AZSUN -81.6 -81.6 -80.7 -81.1 -81.3 -82.3 -83.6 -80.8 -80.8 -80.8 -80.8 -80.8 -80.6 -85.6 -85.3 -85.3 -85.3	55.3 51.5 TAB NO IMPACT 251 A2A7 49.0 50.0 938.5 48.5 959.7 50.0 959.7 50.0 938.5 48.6 48.6 959.7 260.0 38.6 48.0 959.7 260.0 38.6 48.0 959.7 969.0 96	39.27670 37.63840 126  ALT 833.89977 A. 42.49057 41.94978 39.84048 42.49355 42.32835 42.32835 42.32835 42.32835 42.32835 42.32835 42.32835 42.32835 42.4253 42.4253 42.4253 42.4253 42.4253 44.7356 45.36043 44.00168 45.36043 44.09168	0.969 ATLL LA 2 -6. B/A 0.897 0.912 0.988 0.956 0.912 0.8128 0.865 0.899 0.990 0.990 0.990 0.990 0.970 0.874 0.812 0.855 0.674 0.812 0.855	-82.2  AS PHOTO  T 29  AZPHAZ -93.6 -90.2 -85.6 -80.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -101.1 -79.0 -84.2 -90.3 -102.2 -101.1 -79.0 -99.4 -99.7 -99.4 -98.7 -98.7 -98.7	58.4 NO NO .240 INCU 68.5 64.7 64.1 64.1 64.1 65.5 62.6 66.5 62.6 69.5 70.1 70.9 77.1 70.9 77.1 63.6 63.6 63.6 63.6 63.6 63.6 63.6 63	58.9 126 256 PHAZ 40.4 47.6 53.2 47.8 42.4 42.5 53.2 53.2 53.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 37.2 37.2 37.2 37.2 37.2 37.2 37.2	2.66  R 9.355  EMIS 23.55 17.9 25.37 25.88 27.75 27.35 27.33 31.77 33.33 31.77 33.33 31.77 33.33 31.77	-0.5 POD S 2.237 ALPHA 27.4 15.8 16.0 24.3 23.0 14.3 7.4 7.4 15.3 23.0 32.6 32.6 32.6 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0	68.73292 2 SEQUENCE NO PTH A -69.962 116. SCALE P 0.23.13697 121.67218 88.093966 87.04911 94.66732 87.79942 90.63456 176.80595 1. 80.4327 1. 102.78113 1 76.80595 1. 80.4327 1. 102.37808 11 102.37808 11 113.18882 2. 92.15824 2. 92.15824 2. 92.15824 2.	7 2 Z 1 T

					RA-VII	CAMERA	FA								64
JULY 31,19	64 13 HI	R 19 MIN 37	SEC 668	MS		TAB NO	127	ATL	AS PHOTO	NO NO	127		POD S	SEQUENCE NO	260
TRAJECTUR	Y DATA				SEC TO 371.		ALT 823.13229	LA.	T L 590 -29	ON 160	25.6	R 6 5 6 6	V : 2.241	PTH -69.907 11	AZ 6.162
PHOTO DAT	A				31.11		023.1322	-0.	370 -27	• 100	27.		2.271	0,1,0, 1.	
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A=		AZPHAZ					SCALE	PT-PT
1 -11.040			-27.9 -40.9	6.3	-81.7	54.5	41.95320						27.4	0.	0- 1 1- 2
2 -12.167 3 -9.516	-26.641		-37.4	6.4 3.7	-81.6 -80.8	49.1 49.9	41.42134			61.5			7.9	121.19593	
4 -9.378	-23.931		-57.7	5.4	-81-1	43.9	40.25365							81.07517	3- 4
5 -9.230	-21.038	879.95538	-67.4	7.1	-81.3	38.5	41.40961							86.58014	4- 5
6 -12.099	-20.613		-52.7	8.6	-82.3	43.7	42.68474						24.3	87.82262	5+ 6
7 -15.217	-20-066		-42.1	10.5	-83.6	48.5	44-30639							95.79331	6- 7 7- 8
8 -15.186 9 -15.189	-23.264		-30.8 -16.1	7.7	-62.3 -81.2	53.8 59.5	42.89190	0.866	-95.2 -94.8	65.5	47.9	30.5	5.9	93.48225 86.70327	8- 9
10 -12.244	-26.455		-22.7	4.2	-80.9	55.0	40.42374						7.5	89.45449	9-10
11 -9.516	-26.641	835.18972	-37.4	3.7	-80.8	49.9	39.33431		-85.6	61.5	53.2	11.9	7.9	82.80056	10-11
12 -7.438	-29.298	823.73829	11.1	1.9	-80.6	51.1	36.68103		-82.2				-0.2	101.48332	11-12
13 -7.269	-26.779	828.08628	-69.9	3.3		45.9	38.12801						7.5	75.82810	
14 -7.082 15 -6.873	-24.142 -21.334		-80.0 -83.4	6.0	-80.8 -80.7		39.43091 40.51783							79.43949 84.67035	
	-18.279		-85.0	7.2	-80.4	28.8	41.88866							92.17894	
	-17.880		-72.8	8.7	-81.5	33.7	42.87505							74.73183	16-17
18 -12.042	-17.294	949.79446	-60.4	10.7		38.8	44.30134	0.813	-90.3				33.1	91.73876	
19 -15.292			-50.5	13.2	-85.0		46.14264	0.756	-96.3	72.0	37.2	42.3	32.0	101.03333	
20 -18.966			-42.8	16.7		47.9	48.58715	0.680	-102.2	73.4	38.2	49.0	29.6	115.50081	
21 -18.706 22 -18.543			-34.6 -24.5	13.0	-85.3 -83.5		46.41340							99.05212	
23 -18.450	-25.950		-12.4	5.8	-81.8		43.52008				53.8		3.0	90.49120	
24 -18.412			0.9	2.2	-80.2		42.55395						-5.2	85.80511	23-24
25 -15.220	-29.043		1.2	2.1	-80.1		40.92576				58.5		-2.3	96.73995	
26 -12.329			1.7	2.0	-80-1		39.63835				58.4		-0.6	87.60507	
27 -9.648 28 -7.438			3.1	1.9			38.28094			59.0 58.7	58.5	9.5	0.0	81.24486 66.99192	
25 -7.438	-29.298	823.73829	11.1	1.9	-80.6	21.1	36.68103	0.707	-82.2	20.1	20.7	2.1	-0.2	00.77172	21-20
						TAB NO	128	ATL	AS PHOTO	ON C	128		POD S	SEQUENCE NO	262
JULY 31,1	364 I.3 HI	R 19 MIN 42	2FC 188	MS											
TRAJECTO	RY DATA				SEC TO	IMPACT	AL T	LA	T L	ON		R	٧	PTH	AZ
						IMPACT 011	ALT 812.35166		T L 629 -29		254			PTH -69.850 1	
TRAJECTOI PHUTO DA' PT LAT		RANGE	AZS/C					3 -6.		.080		47.80	7 2.244		
PHOTO DAT PT LAT 1 -11.031	TA LON -19.733	RANGE 894-69545	-28.0	AZN 6.3	366. AZSUN -81.7	AZA 54.3	812.35166 A* 41.41499	8/A 0.898	629 -29 AZPHAZ -93.6	1NCD 68.4	PHAZ	47.80 EMIS 30.4	7 2.244 ALPHA 27.3	-69.850 1. SCALE 0.	PT-PT 0- 1
PHOTO DA PT LAT 1 -11.031 2 -12.149	TA LON -19.733 -23.587	RANGE 894-69545 860-44443	-28.0 -41.0	AZN 6.3 6.4	366. AZSUN -81.7 -81.6	AZA 54.3 49.0	A+ 41.41499 40.89204	8/A 0.898 0.917	629 -29 AZPHAZ -93.6 -90.2	1NCD 68.4 64.8	PHAZ 40.4 47.6	67.80 EMIS 30.4 23.5	7 2.244 ALPHA 27.3 15.9	SCALE 0. 119.25900	PT-PT 0- 1 1- 2
PHOTO DA PT LAT 1 -11.031 2 -12.149 3 -9.533	LON -19.733 -23.587 -26.556	RANGE 894-69545 860-4443 824-42684	-28.0 -41.0 -37.7	AZN 6.3 6.4 3.7	366. AZSUN -81.7 -81.6 -80.8	AZA 54.3 49.0 49.7	A+ 41.41499 40.89204 38.82743	8/A 0.898 0.917 0.987	629 -29 AZPHAZ -93.6 -90.2 +85.6	1NCD 68.4 64.8 61.6	PHAZ 40.4 47.6 53.2	EMIS 30.4 23.5 11.9	7 2.244 ALPHA 27.3 15.9 8.0	SCALE 0. 119.25900 118.64604	PT-PT 0- 1 1- 2 2- 3
PHOTO DA PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396	LON -19.733 -23.587 -26.556 -23.880	RANGE 894-69545 860-44443 824-42684 840-17863	-28.0 -41.0 -37.7 -57.8	AZN 6.3 6.4 3.7 5.4	366. AZSUN -81.7 -81.6 -80.8 -81.1	AZA 54.3 49.0 49.7 43.8	A* 41.41499 40.89204 38.82743 39.73932	8/A 0.898 0.917 0.987 0.955	AZPHAZ -93.6 -90.2 +85.6 -85.2	INCD 68.4 64.8 61.6 64.2	PHAZ 40.4 47.6 53.2 47.8	EMIS 30.4 23.5 11.9 18.0	7 2.244 ALPHA 27.3 15.9 8.0 16.1	SCALE 0. 119.25900 118.64604 80.05297	PT-PT 0- 1 1- 2 2- 3 3- 4
PHOTO DA PT LAT 1 -11.031 2 -12.149 3 -9.533	LON -19.733 -23.587 -26.556 -23.880 -21.023	RANGE 894-69545 860-44443 824-42684 840-17863 868-76138	-28.0 -41.0 -37.7	AZN 6.3 6.4 3.7	366. AZSUN -81.7 -81.6 -80.8	AZA 54.3 49.0 49.7 43.8 38.5	A+ 41.41499 40.89204 38.82743	8/A 0.898 0.917 0.987 0.955	AZPHAZ -93.6 -90.2 +85.6 -85.2 -84.8	INCD 68.4 64.8 61.6 64.2 67.0	PHAZ 40.4 47.6 53.2 47.8 42.4	67.80 EMIS 30.4 23.5 11.9 18.0 25.4	7 2.244 ALPHA 27.3 15.9 8.0	SCALE 0. 119.25900 118.64604	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
PHUTO DA PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.604 -20.065	RANGE 894-69545 860-44443 824-42684 840-17863 868-76138 890-3890-3928-70472	-28.0 -41.0 -37.1 -57.8 -67.4 -52.8 -42.2	AZN 6.3 6.4 3.7 5.4 7.1	366. AZSUN -81.7 -81.6 -80.8 -81.1 -81.3	AZA 54.3 49.0 49.7 43.8 38.5 43.7	A* 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851	8/A 0.898 0.917 0.987 0.955 0.912 0.872 0.819	AZPHAZ -93.6 -90.2 +85.6 -85.2 -84.8 -90.2 -95.7	INCD 68.4 64.8 61.6 64.2 67.0 67.7	PHAZ 40.4 47.6 53.2 47.8 42.4 42.2	EMIS 30.4 23.5 11.9 18.0 25.4 29.7	ALPHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0	SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
PHOTO DA PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.604 -20.065 -23.221	RANGE 894-69545 860-44443 824-42684 840-17863 868-76138 890-93936 928-70472 895-18082	-28.0 -41.0 -37.7 -57.8 -67.4 -52.8 -42.2 -30.9	AZN 6.3 6.4 3.7 5.4 7.1 8.5 10.4	366. AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -83.6 -82.4	AZA 54.3 49.0 49.7 43.8 38.5 43.7 48.4 53.6	812.35166 A* 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045	8/A 0.898 0.917 0.987 0.955 0.912 0.872 0.819	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2	INCD 68.4 64.8 61.6 64.2 67.0 67.7 68.6	PHAZ 40.4 47.6 53.2 47.8 42.4 42.2 42.5 47.9	EMIS 30.4 23.5 11.9 18.0 25.4 29.7 35.7	ALPHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0	SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
PHUTO DA PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129 9 -15.131	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.604 -20.065 -23.221 -26.149	RANGE 894-69545 860-44443 824-4264 840-17863 868-76138 890-936 928-70472 895-18082 876-47152	-28.0 -41.0 -37.7 -57.8 -67.4 -52.8 -42.2 -30.9 -16.3	AZN 6.3 6.4 3.7 5.4 7.1 8.5 10.4 7.7	366. AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.4 -81.3	AZA 54.3 49.0 49.7 43.8 38.5 43.7 48.4 53.6 59.3	812.35166 A* 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536	8/A 0.898 0.917 0.987 0.955 0.912 0.872 0.819 0.866	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8	INCD 68.4 64.8 61.6 64.2 67.0 67.7 68.6 65.5	PHAZ 40.4 47.6 53.2 47.8 42.4 42.2 42.5 47.9 53.3	FMIS 30.4 23.5 11.9 18.0 25.4 29.7 35.7 30.5 27.0	ALPHA 27-3 15-9 8-0 16-1 24-4 24-3 23-0 14-4	SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6- 7 7- 8 8- 9
PHUTO DA PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129 9 -15.131	LON -19.733 -23.587 -26.556 -23.680 -21.023 -20.604 -20.065 -23.221 -26.149 -26.371	RANGE 894.69545 860.44443 824.42684 840.17863 868.76138 890.93936 928.70472 895.18082 876.47152 843.59785	-28.0 -41.0 -37.7 -57.8 -67.4 -52.8 -42.2 -30.9 -16.3 -22.9	AZN 6-3 6-4 3-7 5-4 7-1 8-5 10-4 7-7 4-9	366. AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -83.6 -82.4 -81.3 -80.9	AZA 54.3 49.0 49.7 43.8 38.5 43.7 48.4 53.6 59.3	A* 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 39.90267	8/A 0.898 0.917 0.987 0.955 0.912 0.819 0.866 0.899	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2	INCD 68.4 64.8 61.6 64.2 67.0 67.7 68.6 65.5 62.7 62.1	PHAZ 40.4 47.6 53.2 47.8 42.4 42.2 42.5 47.9 53.3 53.0	FALSO EMIS 30.4 23.5 11.9 18.0 25.4 29.7 35.7 30.5 27.0 19.0	ALPHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0 14.4	SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6- 7 7- 8 8- 9 9-10
PHUTO DA' PT LAT 1 -11.031 2 -12.149 3 -9.396 5 -9.250 6 -12.083 7 -15.129 9 -15.131 10 -12.225 11 -9.533	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.604 -20.065 -23.221 -26.149 -26.371 -26.356	RANGE 894.69545 860.44443 824.42684 840.17863 868.76138 928.70472 895.1802 876.47152 843.59785 824.42684	-28.0 -41.0 -37.7 -57.8 +67.4 -52.8 -42.2 -30.9 -16.3 -22.9 -37.7	AZN 6.4 3.7 5.4 7.1 8.5 10.4 7.7 4.9 4.2	366. AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.4 -81.3 -80.8	AZA 54.3 49.0 49.7 43.8 38.5 48.4 53.6 59.8 44.7	812.35166 A* 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 39.90267 38.82743	8/A 0.898 0.917 0.987 0.955 0.912 0.819 0.819 0.866 0.899 0.950	629 -29  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.7 -95.7 -95.2 -94.8 -90.2 -85.6	INCD 68-4 64-8 61-6 64-2 67-0 67-7 68-6 65-5 62-7 62-1 61-6	PHAZ 40.4 47.6 53.2 47.8 42.4 42.2 42.5 47.9 53.3 53.0	67.80° EMIS 30.4 23.5 11.9 18.0 25.4 29.7 35.5 27.0 19.0 11.9	7 2.244 ALPHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0 14.4 6.0 7.6	SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355 81.73237	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11
PHUTO DA PT LAT 1 -11-031 2 -12-149 3 -9-533 4 -9-250 5 -9-250 6 -12-083 7 -15-159 9 -15-131 10 -12-225 11 -9-533 12 -7-811	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.604 -20.065 -23.221 -26.149 -26.371 -26.556 -29.179	RANGE 894.09545 860.44443 824.42684 840.17863 868.7613 868.7613 928.70472 843.59785 844.4284 812.96175 817.38000	-28.0 -41.0 -37.7 -57.8 -67.4 -52.8 -42.2 -30.9 -16.3 -22.9 -37.7 -8.5	AZN 6.3 6.4 3.7 5.4 7.1 8.5 10.4 7.7 4.9 4.2 3.7	366. AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -83.6 -82.3 -81.3 -80.9 -80.8 -80.6	AZA 54.3 49.0 49.7 438.5 43.7 48.4 53.3 54.8 49.7 50.3	812.35166 A* 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 31.90267 38.82743 36.20180 37.64304	8 -6. 8/A 0.898 0.917 0.987 0.955 0.912 0.819 0.866 0.899 0.950 0.967 0.967 0.989	AZPHAZ -93.6 -90.2 -85.6 -85.2 -90.2 -95.7 -95.7 -95.7 -94.8 -90.2 -85.6 -82.8	INCD 68-4 64-8 61-6 64-2 67-7 68-6 65-5 62-7 62-1 61-6 58-8 61-2	PHAZ 40.4 47.6 53.2 47.8 42.4 42.2 42.5 953.3 53.2 58.9 53.7	67.80° EMIS 30.4 23.5 11.9 18.0 25.4 29.7 35.7 30.5 27.0 11.9 2.7 7.7	7 2.244 ALPHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0 14.4 6.0 7.6 8.0 -0.1	-69.850 1 SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 86.27355 81.73237 100.18369 74.84913	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13
PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129 9 -15.31 10 -12.225 11 -9.533 12 -7.881 13 -7.314	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.065 -23.221 -26.149 -26.371 -26.556 -29.179 -26.693 -24.089	RANGE 894.69545 860.44443 824.42684 840.17863 890.93936 928.70472 895.18082 876.47152 843.59785 812.96175 817.38000 832.64688	-28.0 -41.0 -37.7 -57.8 +67.4 -52.8 -42.2 -30.9 -16.3 -22.9 -37.7 8.5 -69.8	AZN 6.3 6.4 3.7 7.1 8.5 10.4 7.7 4.9 4.2 3.7 1.9 3.3	366.  AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -82.4 -81.3 -80.6 -80.7 -80.8	AZA 54.3 49.07 49.8 38.5 43.4 59.8 59.8 59.8	812.35166 A* 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 39.90267 38.82743 36.20180 37.64304 38.92518	8 -6. 8/A 0.898 0.917 0.987 0.955 0.912 0.819 0.866 0.899 0.950 0.967 0.969 0.979	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.2 -85.6 -82.2 -81.6	.080 1NCD 68.4 64.8 61.6 64.2 67.0 67.7 68.6 65.5 62.7 62.1 61.6 58.8 61.2 63.8	PHAZ 40.4 47.6 53.2 47.8 42.2 42.5 47.9 53.3 53.0 53.2 58.9 748.4	67.80° EMIS 30.4 23.5 11.9 18.0 25.7 35.7 30.5 27.0 11.9 2.7 7.7 15.4	7 2.244  ALPHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0 14.4 6.0 7.6 8.0 -0.1 7.5 15.4	-69.850 1.  SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 95.60511 88.27355 100.18369 74.84913 78.48387	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14
PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 9 -15.131 10 -7.811 11 -7.314 14 -7.130	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.604 -20.065 -23.221 -26.149 -26.371 -26.556 -29.179 -26.693 -24.089	RANGE 894.09545 860.44443 824.42684 840.17863 868.76138 890.93936 928.70472 875.18082 876.47152 812.96175 817.38000 832.64688 860.21626	-28.0 -41.0 -37.7 -57.8 -67.4 -52.8 -42.2 -30.9 -16.3 -22.9 -37.7 8.5 -69.8 -79.8 -83.2	AZN 6.3 6.4 7.1 8.5 10.4 7.7 4.9 4.2 3.7 1.9 3.3	366.  AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -83.6 -81.3 -80.9 -80.6 -80.7 -80.8 -80.8 -80.8	AZA 54.3 49.0 49.7 43.8 38.5 43.7 48.6 59.3 54.8 7 50.9 45.8 38.6	812-35166 A• 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 39.90267 38.82743 36.20180 37.64304 38.92518 40.00031	8 -6. 8/A 0.898 0.917 0.987 0.912 0.872 0.872 0.872 0.969 0.969 0.969 0.979 0.989 0.937	AZPHAZ -93.6 -90.2 -85.6 -85.2 -85.2 -95.7 -95.7 -95.2 -96.2 -81.6 -82.2	.080 INCD 68.4 64.8 61.6 67.7 68.6 65.5 62.7 62.1 61.6 58.8 61.2 63.8	PHAZ 40.4 47.6 53.2 47.8 42.4 42.5 53.3 53.0 53.2 58.9 53.7 48.4 43.1	67.80° 6MIS 30.4 21.9 18.0 25.4 29.7 30.5 27.0 11.9 2.7 15.4 23.4	7 2.244  ALPHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0 14.4 6.0 7.6 8.0 -0.1 7.5 15.4 23.4	-69.850 1.  SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355 81.73237 100.18369 74.84913 78.43387	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15
PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129 9 -15.131 10 -12.225 11 -9.533 12 -7.481 13 -7.314 14 -7.130	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.604 -20.065 -23.221 -26.149 -26.371 -26.556 -29.179 -26.693 -24.089 -21.316	RANGE 894.69545 860.44443 824.42684 840.17863 890.93936 928.70472 895.18082 876.47152 843.59785 824.42684 812.96175 817.38000 832.64688 860.21626	-28.0 -41.0 -37.7 -57.8 -67.4 -52.8 -42.2 -30.9 -16.3 -22.9 -38.5 -69.8 -79.8 -83.2 -84.9	AZN 6-3 6-4 7-1 8-5 10-4 7-7 4-9 4-2 3-7 1-9 3-3 4-7 6-0 7-2	366.  AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -83.6 -82.4 -80.9 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8	AZA 54.3 49.0 43.8 38.5 43.4 53.6 554.8 49.7 50.9 38.8 33.6	812-35166 41-41499 40.89204 38.82743 39.73932 40.88278 42-14151 43.73851 42-34045 41-24536 39.90267 38.82743 36.20180 37.64304 36.00031 40.00031 41.35306	8 -6. 8/A 0.898 0.917 0.987 0.952 0.872 0.872 0.872 0.895 0.969 0.969 0.969 0.969 0.969 0.969 0.989 0.979 0.988 0.988	AZPHAZ -93.6 -90.2 -85.6 -85.2 -85.8 -90.2 -95.7 -95.2 -96.2 -90.2 -85.6 -80.9 -80.9	.08D INCD 68-4 64-8 61-6 64-2 67-0 68-6 65-5 62-7 62-1 61-6 58-8 61-2 63-8 64-5 69-5	PHAZ 40.4 47.6 53.2 47.8 42.4 42.2 42.5 53.3 53.0 53.2 58.9 53.7 48.4 43.1 38.0	47.80° 6MIS 30.4 23.5 11.9 18.0 25.4 29.7 30.5 27.0 11.9 2.7 7.7 15.4 31.6	7 2.244 ALPHA 27-3 15-9 8.0 16-1 24-4 24-3 23-0 14-4 6.0 7-6 8.0 -0.1 7.5 15-4 23-4 31-5	-69.850 1.  SCALE 0. 119.25900 118.64604 60.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355 81.73237 100.18369 74.84913 78.43387 83.60205	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
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PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129 9 -15.131 10 -12.225 11 -9.533 12 -7.481 13 -7.314 14 -7.130	LON -19.733 -23.587 -26.556 -23.880 -21.023 -20.604 -20.065 -23.221 -26.556 -23.12 -26.556 -29.179 -26.693 -21.316 -18.300 -17.906 -17.327 -16.565	RANGE 894.69545 860.44443 824.42684 840.17863 868.76138 890.93936 928.70472 895.18082 876.47152 843.59785 824.42684 812.96175 817.38000 832.64688 860.21626 902.15835 937.67797 980.22969	-28.0 -41.0 -37.7 -57.8 -67.4 -52.8 -42.2 -30.9 -16.9 -22.9 -37.7 -8.5 -69.8 -79.8 -79.8 -79.8 -72.7 -60.4	AZN 6-3 6-4 7-1 8-5 10-4 7-7 4-9 4-2 3-7 1-9 3-3 4-7 6-0 7-2	366.  AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -83.6 -81.3 -80.8 -80.7 -80.8 -80.7 -80.8	AZA 54.3 49.7 43.8 43.6 59.3 54.8 59.3 54.8 33.6 33.8 33.8 33.8	812-35166 41-41499 40-89204 38-82743 39-73932 40-88278 42-14151 43-73851 42-34455 41-24536 34-90267 38-82743 36-20180 37-64304 38-92518 40-00031 41-35306 42-32892 43-73632 45-54859	8 -6. 8/A 0.898 0.917 0.955 0.912 0.872 0.869 0.987 0.969 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.989 0.950 0.955 0.955 0.955	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.1 -79.0 -84.2 -90.3	INC D 68-4 64-8 61-6 67-7 68-6 62-7 62-1 61-6 66-5 70-1 70-9 71-9	PHAZ 40.4 47.8 53.2 47.8 42.4 42.5 47.9 53.3 53.2 58.9 53.7 48.1 38.0 37.2 36.8	FMIS 30.4 23.5 11.9 18.0 25.4 7 35.7 30.5 27.0 11.9 2.7 7 15.4 31.6 33.3 37.0 42.2	ALPHA 27-3 15-9 8-0 16-1 24-4 24-3 23-0 14-4 6-0 7-6 8-0 -0-1 7-5 15-4 23-8 33-0 32-8	SCALE 0.119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355 81.73237 100.188913 78.43387 74.84913 78.43387 90.56410 99.68791	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129 9 -15.331 10 -12.253 11 -9.331 12 -7.481 13 -7.314 14 -7.130 15 -6.687 17 -9.091 18 -12.027 19 -15.233 20 -18.856	LON 1-19.73 - 24.556 - 23.880 - 21.023 - 26.199 - 26.199 - 26.199 - 26.371 - 26.556 - 29.179 - 26.99 - 26.199 - 26.99 - 26.99 - 26.99 - 26.99 - 26.99 - 26.99 - 26.99 - 26.99 - 27.316 - 18.300 - 17.906 - 17.327 - 16.555 - 15.5520	RANGE 894.69545 860.44443 824.42684 840.17863 868.76138 890.9393 928.70472 895.18082 876.47152 841.29617 824.42684 812.96173 912.42635 902.15835 912.42635 937.67797 980.22969	-28.0 -41.0 -37.7 -57.8 -67.4 -52.8 -42.2 -30.9 -16.3 -22.9 -37.7 8.5 -69.8 -79.8 -83.2 -84.9 -72.7 -60.4 -50.5	AZN 6.3 6.4 3.7 7.1 8.5 10.4 9 4.2 1.9 4.7 6.0 7 10.7 10.7 13.2	366.  AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -82.4 -81.3 -82.4 -81.3 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8	AZA 54.3 49.7 43.8 54.3 49.7 43.6 59.3 43.7 554.8 49.7 45.8 33.6 29.0 33.8 43.5 43.5	812-35166 A* 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 39.90267 38.82743 36.20180 37.64304 38.92518 40.00031 41.35306 42.32892 43.73632 45.54859 47.94770	8 -6. 8/A 0.898 0.917 0.987 0.955 0.912 0.819 0.819 0.989 0.989 0.989 0.989 0.989 0.979 0.989 0.979 0.985 0.813 0.757 0.681	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -95.2 -95.6 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9	INC D 68.4 64.8 61.6 64.8 67.0 67.7 68.6 65.7 62.1 61.6 58.8 61.2 63.8 66.5 70.1 70.9 71.9 73.3	PHAZ 47.6 47.8 42.2 47.8 42.2 42.5 53.0 53.0 53.0 53.0 53.0 53.7 48.4 43.1 38.0 37.2 36.8 37.2	67.80° EMIS 30.423.5 118.0 25.7 35.7 327.0 19.0 11.9 7.7 15.4 23.4 33.3 37.0 428.8	AL PHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0 14.4 6.0 7.6 8.0 0-0.1 7.5 123.4 31.5 32.8 33.0 32.0	SCALE 0.119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355 81.73237 100.18369 74.84913 78.43987 73.78379 90.56410 99.68791 113.82973	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129 9 -15.131 10 -12.253 11 -9.331 12 -7.481 13 -7.481 14 -7.130 15 -6.923 16 -6.987 17 -9.091 18 -12.027 19 -15.233 20 -18.856	LON	RANGE 894.69545 860.44443 824.42684 840.17863 890.79336 928.70472 895.18082 876.47152 843.59785 824.42684 812.96175 817.38000 832.64688 860.21626 902.15835 912.42635 937.67797 980.22969	-28.0 -41.0 -57.8 -67.4 -52.8 -42.2 -30.9 -16.3 -22.9 -37.7 -69.8 -79.8 -83.2 -84.9 -72.7 -60.4 -50.5 -42.8	AZN 6.3 6.4 7.1 8.5 10.4 7.7 4.2 3.7 1.9 3.3 4.7 6.0 7.2 8.7 10.7 10.7 10.7 10.7	366.  AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.3 -83.6 -81.9 -80.8 -80.6 -80.7 -80.8 -80.9 -80.6 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8	AZA 54.3 49.7 43.8 54.6 59.3 54.8 59.3 54.8 33.8 33.8 33.8 43.5 47.6	812-35166 A* 41-41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 39.90267 38.8273 36.20180 37.64304 40.00031 41.35306 42.32892 43.73632 45.54859 47.94770 45.80834	8 -6. 8/A 0.898 0.917 0.987 0.955 0.912 0.819 0.866 0.869 0.969 0.969 0.989 0.989 0.983 0.983 0.985 0.98	AZPHAZ -93.6 -90.2 -85.6 -90.2 -85.6 -90.2 -85.7 -95.7 -95.2 -84.8 -90.2 -81.6 -82.2 -81.6 -80.1 -79.0 -84.2 -90.3 -102.2 -101.2	1 NC D C C C C C C C C C C C C C C C C C	PHAZ 40.4 47.8 47.8 42.2 42.5 47.9 53.0 53.0 53.0 53.0 53.0 53.0 236.8 37.2 36.8 37.2	67.80° EMIS 30.423.5 118.9 125.4 225.4 225.7 307.5 27.0 19.0 9 12.7 15.4 313.3 37.0 42.8 48.8 9	AL PHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0 7.6 8.0 -0.1 7.5 15.4 31.5 32.8 33.0 32.0 29.5	SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355 81.73237 100.18369 74.84913 78.43387 83.60205 90.99514 73.78379 90.56410 99.68791 113.82973	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 9 -15.131 10 -12.225 11 -9.533 12 -7.481 13 -7.314 14 -7.130 15 -6.087 17 -9.091 18 -12.027 19 -15.232 20 -18.850 21 -18.800	LON 19.73 - 19.73 - 23.587 - 26.556 - 23.821 - 26.149 - 26.371 - 26.556 - 29.179 - 26.693 - 24.089 - 17.966 - 18.300 - 17.927 - 16.565 - 19.349 - 25.349 - 25.350 - 19.349 - 25.350 - 19.349 - 25.350 - 19.349 - 25.349 - 2	RANGE 894.09545 860.44443 824.42684 840.17863 868.76138 899.93936 928.70472 843.59785 844.42684 812.96175 817.38000 832.64688 860.21626 902.15935 912.42635 937.67797 980.22969 905.1989 985.91416	-28.0 -41.0 -57.4 -67.4 -52.8 -42.2 -10.3 -22.9 -10.3 -22.9 -79.8 -83.2 -84.9 -72.7 -60.5 -42.8 -34.7 -50.5	AZN 6.3 6.4 7.1 8.5 10.4 7.7 4.9 3.7 1.9 3.7 6.0 7.2 8.7 10.7 10.7 10.7 10.7 10.7	366.  AZSUN -81.6 -80.8 -81.6 -80.8 -81.3 -82.4 -81.3 -82.4 -80.9 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8	AZA 54.3 49.7 43.8 38.5 43.4 53.6 554.8 49.7 45.8 38.6 29.0 833.6 45.7 45.8 45.8 45.8 47.8 57.8	812-35166 A: 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 39.90267 38.82743 36.20180 37.64304 38.92518 40.00031 41.35306 42.32892 43.73632 45.54859 47.94770 45.80834 44.19274	8 -6. 8/A 0.898 0.917 0.955 0.952 0.819 0.866 0.950 0.969 0.969 0.969 0.985 0.985 0.985 0.985 0.985 0.985 0.987 0.985 0.987 0.987 0.985	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -95.2 -96.8 -80.9 -	1 NCD D 68.4 8 61.6 64.2 67.0 7 68.6 65.5 7 62.1 61.6 58.8 2 63.8 60.5 7 0.1 7 0.9 7 13.3 69.7 566.5	PHAZ 40.6 53.2 47.8 42.4 42.5 53.3 53.2 53.3 53.2 53.3 53.2 37.8 43.1 38.0 37.2 48.4	67.80° EMIS 30.423.5 118.9 125.4 29.7 350.5 27.0 19.7 15.4 431.6 337.0 42.2 48.8 42.3 38.3	AL PHA 27-3 15-9 8-0 16-1 24-4 24-3 23-0 14-4 6-0 7-6 8-0 -0-1 7-5 31-5 32-8 33-0 29-5 20-3 11-5	SCALE 0.119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29469 85.60511 88.27355 81.73237 100.18369 74.84913 78.43987 74.84913 78.43987 100.18369 90.56410 99.68791 113.82973 110.12043	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 16-17 17-18 16-17 17-18 19-20 20-21 21-21
PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 8 -15.129 10 -12.225 11 -9.533 12 -7.481 13 -7.314 4 -7.130 15 -6.923 16 -6.887 17 -9.091 18 -12.027 19 -15.233 20 -18.856 21 -18.600 22 -18.639	LON -19.333 -23.587 -26.556 -23.480 -21.023 -20.004 -20.065 -23.221 -26.149 -26.371 -26.556 -29.179 -26.693 -21.316 -18.300 -17.327 -16.565 -15.520 -19.349 -22.149 -22.149 -22.149 -22.149 -25.873	RANGE 894.69545 860.44443 824.42684 840.17863 868.76138 890.93936 928.70472 895.18082 876.47152 843.59785 824.42684 812.96175 817.38000 832.64688 860.21626 902.15835 912.42635 912.42635 937.67797 980.22969 1045.10889 985.91416 947.60114 947.60114	-28-0 -41-0 -37-1 -57-8 -67-8 -52-8 -42-2 -30-9 -37-7 -69-8 -79-8 -79-8 -79-8 -79-7 -72-7 -42-8 -43-8 -42-8 -43-8	AZN3 6.47 7.11 8.55 10.47 7.79 4.92 3.37 4.70 11.93 4.77 10.77 10.77 10.77 13.00 13.00	366.  AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.4 -81.3 -82.4 -81.5 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8	AZA 54.30 49.7 43.8 38.5 43.4 53.6 54.8 7 50.9 8 33.6 0 33.8 8 43.7 54.8 7 50.9 8 33.8 8 43.5 43.6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	812-35166 A* 41-41499 40.89204 38.82743 39.73932 40.88278 42.14151 42.34045 41.24536 39.90267 38.8273 36.20180 37.64304 38.8273 40.00031 41.3536 42.32892 45.54859 47.94770 45.80834 44.19274 42.94799	8/A 0.898 0.987 0.987 0.955 0.872 0.819 0.8899 0.969 0.969 0.979 0.880 0.979 0.883 0.7682 0.768	AZPHAZ -93.6 -90.2 -85.6 -90.2 -85.7 -95.7 -95.7 -95.7 -95.7 -95.7 -95.7 -95.7 -95.2 -81.6 -82.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3 -90.2 -101.2 -100.2 -99.4	INCD D 68.4 64.8 64.8 61.6 64.2 67.0 67.7 68.6 65.5 62.7 62.1 61.6 63.8 66.5 670.1 70.9 71.9 73.3 69.7 63.6 63.6 63.6	PHAZ 47.6 53.2 47.8 42.4 42.5 47.9 53.0 53.2 58.9 748.1 38.2 36.8 37.2 43.3 48.6 53.8	67.80° EMIS 30.4 23.5 118.0 25.4 7 30.5 27.7 30.5 27.7 32.4 23.4 42.3 33.0 248.8 42.3 35.3 35.3	AL PHA 27-3 15-9 8-0 16-1 24-4 24-3 23-0 14-4 6-0 7-6 8-0 -0-1 7-5 32-8 33-0 32-0 32-0 33-11-5 3-1	-69.850 1 SCALE 0. 119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355 81.73237 100.18369 74.84913 78.48387 83.60205 90.99514 73.78379 90.56410 99.68791 113.82973 110.12043 97.76341 89.82243	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9- 11-12 12-13 13-14 14-15 15-16-17 17-18 18-19 19-20 20-21 21-22 22-23
PHUTO OA' PT LAT 1 -11.031 2 -12.149 3 -9.533 4 -9.396 5 -9.250 6 -12.083 7 -15.159 9 -15.131 10 -12.225 11 -9.533 12 -7.481 13 -7.314 14 -7.130 15 -6.087 17 -9.091 18 -12.027 19 -15.232 20 -18.850 21 -18.800	LON LON 23-3-87 -26-556 -23-880 -21-023 -26-14-20-065 -23-21 -26-149 -26-371 -26-556 -29-17-96 -18-300 -17-96 -17-327 -16-555 -19-349 -22-1749 -25-273 -28-88-8 -28-925 -28-95	RANGE 894.09545 860.44443 824.42684 840.17863 868.76138 890.93936 928.70472 843.59785 824.42684 812.96175 817.38000 832.64688 860.21626 902.15835 912.42635 913.67797 985.21626 947.60114 925.89018	-28.0 -41.0 -57.4 -67.4 -52.8 -42.2 -10.3 -22.9 -10.3 -22.9 -79.8 -83.2 -84.9 -72.7 -60.5 -42.8 -34.7 -50.5	AZN 6.3 6.4 7.1 8.5 10.4 7.7 4.9 3.7 1.9 3.7 6.0 7.2 8.7 10.7 10.7 10.7 10.7 10.7	366.  AZSUN -81.7 -81.6 -80.8 -81.1 -81.3 -82.4 -81.3 -80.9 -80.7 -80.8 -80.7 -80.8 -80.7 -80.8 -81.5 -81.5 -81.5 -81.9 -81.6	AZA30749.7843.0749.7848.5748.633.633.6049.7848.633.633.6049.7950.9833.605.446.573.665.14665.7833.7833.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.783333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.14665.78333.665.78333.665.78333.665.78333.665.78333.665.78333.665.78333.665.78333.665.78333.665.78333.665.78333.665.783330.783333.665.783333.665.783333.665.783333.665.7833333.665.7833330.783333.665.7833333.665.7833333.665.7833333.665.7833333.665.7833	812-35166 A: 41.41499 40.89204 38.82743 39.73932 40.88278 42.14151 43.73851 42.34045 41.24536 39.90267 38.82743 36.20180 37.64304 38.92518 40.00031 41.35306 42.32892 43.73632 45.54859 47.94770 45.80834 44.19274	8/A 0.8918 0.917 0.955 0.912 0.872 0.819 0.8619 0.966 0.899 0.967 0.968 0.989 0.968 0.989 0.968 0.968 0.974 0.749 0.682 0.749 0.682 0.749 0.682 0.749 0.895 0.895 0.895 0.918 0.	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.8 -90.2 -95.7 -95.2 -90.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3 -90.3 -101.1 -100.2 -99.3 -98.7 -94.7	1NCD 68-4 64-8 61-6 64-2 67-7 68-6 62-7 62-1 61-6 58-8 60-5 70-1 70-9 73-3 69-7 63-6 60-8 60-8	PHAZ 40.6 53.2 47.8 42.4 42.5 53.3 53.2 53.3 53.2 53.3 53.2 37.8 43.1 38.0 37.2 48.4	**************************************	7 2.244 AL PHA 27.3 15.9 8.0 16.1 24.4 24.3 23.0 14.4 6.0 7.6 8.0 -0.1 7.5 15.4 23.4 31.5 32.8 32.8 32.0	SCALE 0.119.25900 118.64604 80.05297 85.49206 86.70339 94.53646 92.29489 85.60511 88.27355 81.73237 100.18369 74.84913 78.43987 74.84913 78.43987 100.18369 90.56410 99.68791 113.82973 110.12043	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 12-22 22-23 23-24 24-25

														0,5
JULY 31,1964 1	3 HR 19 MIN 47	7 SEC 908	HS.	1	TAB NO	129	ATŁ	AS PHOTO	) NO	129		POD S	SEQUENCE N	0 264
TRAJECTORY DAT	<b>1</b>			SEC TO 2		ALT 801.5573	LA	1 L	ON - 999	25	R 37.013	V 2.248	PTH -69.794 1	AZ 16-139
PHOTO DATA													074174.2	
PT LAT LO		AZS/C		AZSUN	AZA	A+	8/A	AZPHAZ	INCO	PHAZ	EMIS	AL PHA	SCALE	PT-PT
1 -11.023 -19.	751 882.89754		6.3	-81.8	54.2	40.87655			68.4	40.5	30.3	27.3	0.	0- 1
2 -12 · 132 - 23 · 3 -9 · 549 - 26 ·	538 849.30322 469 813.65493		6.4	-81.6 -80.8	48.8 49.6	40.36256				47.6	23.5	15.9	117.28015	1- 2
4 -9.414 -23.	827 829.30058		3.7 5.4		43.7	39.22476		-85.2		53.2	18.0		117.13235 79.03107	
5 -9.270 -21.			7.1	-81.3	38.5	40.35602						24.4	84.40601	
6 -12.066 -20.			8.5	-82.3	43.6	41.59843					29.7		85.58508	
7 -15.102 -20.	062 916.65480	-42.3	10.4	-83.6	48.3	43.17101	0.820	-95.7				23.0	93.28189	
8 -15.072 -23.			7.7	-82.4	53.4	41.78897				47.9		14.4	91.11095	
9 -15.074 -26.			4.9	-81.3	59.0	40.70325				53.3		6.1	84.50797	
10 -12.206 -26. 11 -9.549 -26.			4.2 3.7	-81.0 -80.8	54.6 49.6	39.38121				53.0		7.7	87.09286	
12 -7.525 -29.			1.9	-80.6	50.7	35.72221			58 Q	58 0	2 7	8.1	80.66357 98.88340	10-11
13 -7.359 -26.			3.3	-80.7		37.15797						7.6	73.86962	
14 -7.177 -24.	35 821.82751	-79.7	4.7	-80.7		38.41923							77.42858	
15 -6.973 -21.			6.0	-80.6		39.48284		-80.1	66.5	43.1	23.5	23.4	82.53566	14-15
16 -6.740 -18.			7.2	-80.4		40.81792							89.81609	
17 ~9.113 -17.			8.7	-81.5	33.8	41.78328			70.0	37.2	33.3	32.7	72.83669	
18 -12.011 -17. 19 -15.175 -10.			10.6	-83.0 -85.0	38.8	43.17196		-90.3 -96.3					89.39150	
20 -18.746 -15.			10.5	27.6	47.9	47.31000						31.9 29.4	98.34741	
21 -18.495 -19.			12.9	-85.4		45.20411		101 1			42.8	20.3	108.59971	
22 -18.336 -22.	712 935.08585		9.4	-83.6		43.60888						11.6	96.48021	
23 -18.244 -25.	793 913.56069		5.8	-82.0	63.0	42.37587				53.8		3.2	88.65574	
24 -18.204 -28.			2.3	-80.5	68.8	41.42037		-98.7		59.0		-4.8	83.56415	
25 -15.102 -28.			2.1	-80.2	65.0	39.85023				58.5		-2.0	94.02009	
26 -12.288 -28. 27 -9.678 -28.		0.9 1.7	2.0	-80.2 -80.4	60.8 54.2	38.60302 37.28340				58.4 58.5		-0.3 0.2	85.25921 79.11927	
287.525 -29.			1.9		50.7	35.72221					2.7	0.0	65.24689	
			•••	-00.0	Jun.	37.12221	01747	-02.2	20.7	,,,,		0.0	03124009	21 20
JULY 31,1964 1	3 HR 19 MIN 5					130		AS PHOTO					EQUENCE N	
TRAJECTORY DAT					TAB NO		ATL LA	AS PHOTO	NO ON	130	R	POD S		O 266
TRAJECTORY DAT	١.	3 SEC 28	MS	SEC TO 355.	TAB NO IMPACT 771	130 ALT 790.7493	ATL LA	AS PHOTO  T L  708 -28	NO ON .918	130 25	R 26•205	POD S	PTH -69.737 1	AZ 16.128
TRAJECTORY DAT  PHOTO DATA  PT LAT LO	N RANGE	3 SEC 28	MS AZN	SEC TO 355.	TAB NO IMPACT 771 AZA	130 ALT 790.7493	ATL LA 6 -6. B/A	AS PHOTO T LI 708 -28	NO ON .918	130 252 PHAZ	R 26.205 EMIS	POD S	PTH -69.737 1	AZ 16.128 PT-PT
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19.	N RANGE 769 871.08262	3 SEC 28 AZS/C 2 -28.4	AZN 6.3	SEC TO 355. AZSUN -81.8	IMPACT 771	130 ALT 790.7493 A* 40.33739	ATL LA 6 -6. 8/A 0.898	AS PHOTO  T L  708 -28  AZPHAZ -93.6	NO ON .918 INCD 68.4	25: PHAZ 40.5	R 26.205 EMIS 30.3	POD S 2.252 ALPHA 27.2	PTH -69.737 1 SCALE	AZ 16.128 PT-PT 0- 1
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23.	N RANGE 769 871.08264 489 838.1464	AZS/C 2 -28.4 7 -41.3	AZN 6.3 6.4	SEC TO 355. AZSUN -81.8 -81.7	IMPACT 771 AZA 54.0 48.7	ALT 790.7493 A* 40.33739 39.83234	ATL LA 6 -6. 8/A 0.898 0.917	AS PHOTO  T L  708 -28  AZPHAZ  -93.6  -90.2	NO ON .918 INCD 68.4 64.9	25; PHAZ 40.5 47.6	R 26.205 EMIS 30.3 23.5	POD S 2.252 ALPHA 27.2 16.0	PTH -69.737 1 SCALE 0. 115.29572	AZ 16.128 PT-PT 0-1 1-2
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19.	N RANGE 769 871.0826 889 838.1464 882 802.8688	AZS/C 2 -28.4 7 -41.3 7 -38.2	AZN 6.3	SEC TO 355. AZSUN -81.8 -81.7 -80.8	IMPACT 771	ALT 790.7493 A* 40.33739 39.83234 37.81214	ATL LA 6 -6. 8/A 0.898 0.917 0.987	AS PHOTO  T L  708 -28  AZPHAZ  -93.6  -90.2  -85.6	NO ON .918 INCD 68.4 64.9 61.8	253 PHAZ 40.5 47.6 53.2	R 26.205 EMIS 30.3 23.5	POD S 2.252 ALPHA 27.2 16.0 8.2	PTH -69.737 1 SCALE 0. 115.29572	AZ 16.128 PT-PT 0-1 1-2 2-3
TRAJECTORY DAT  PHOTO DATA  PT LAT LO  1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20.	RANGE 769 871.0826 889 838.1464 382 802.8688 774 818.4071 990 846.3607	AZS/C 2 -28.4 7 -41.3 -57.9 2 -67.3	AZN 6.3 6.4 3.7	SEC TO 355. AZSUN -81.8 -81.7 -80.8 -81.1 -81.3	IMPACT 771 AZA 54.0 48.7 49.4 43.7 38.5	ALT 790.7493 A* 40.33739 39.83234	ATL LA 6 -6. 8/A 0.898 0.917 0.987	AS PHOTO T L. 708 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7	NO ON .918 INCD 68.4 64.9 61.8 64.3	253 PHAZ 40.5 47.6 53.2	R 26.205 EMIS 30.3 23.5 12.0 18.1	POD S 2.252 ALPHA 27.2 16.0	PTH -69.737 1 SCALE 0. 115.29572	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20.	RANGE 769 871-0826 489 838-1464 382 802-8688 774 818-4071 990 846-3607 581 867-9595	AZS/C 2 -28.4 7 -41.3 7 -38.2 -57.9 2 -67.3 5 -52.9	AZN 6.3 6.4 7.1 8.5	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.3	IMPACT 771 AZA 54.0 48.7 49.4 43.7 38.5 43.6	ALT 790.7493 A. 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461	ATL LA 6 -6. 8/A 0.898 0.917 0.987 0.955 0.911 0.872	AS PHOTO T L 708 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2	NO ON .918 INCD 68.4 64.9 61.8 64.3 67.0	25: PHAZ 40.5 47.6 53.2 47.8 42.4 42.2	R 26.205 EMIS 30.3 23.5 12.0 18.1 25.4 29.7	POD S V 2.252 ALPHA 27.2 16.0 8.2 16.2 24.4	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
TRAJECTORY DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20.	RANGE 769 871-0826; 899 838-1464; 882 802-8688; 774 818-4071; 990 846-3607; 581 867-9595; 559 904-5910;	AZS/C -28.4 -41.3 7 -38.2 -57.9 2 -67.3 -52.9 3 -42.4	AZN 6.3 6.4 3.7 5.4 7.1 8.5 10.4	SEC TO 355. AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.3	TAB NO  IMPACT 771  AZA 54.0 48.7 49.4 43.7 38.5 43.6 48.2	ALT 790.7493 A• 40.33739 37.81214 38.70946 39.82851 41.05461 42.60287	ATL  LA  6 -6.  8/A  0.898 0.917 0.987 0.955 0.911 0.872 0.820	AS PHOTO T L 708 -28 AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.7	NO ON .918 INCD 68.4 64.9 61.8 64.3 67.0 67.7	25; PHAZ 40.5 47.6 53.2 47.8 42.4 42.2 42.5	R 26.205 EMIS 30.3 23.5 12.0 18.1 29.7 35.6	POD S V 2.252 ALPHA 27.2 16.0 8.2 16.2 24.4 24.4 23.1	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23.	N RANGE 769 871.08262 889 838.14688 8182 802.8688 774 818.4071 990 846.3607 581 867.95956 904.55103 33 871.8497	AZS/C -28.4 -41.3 -38.2 -57.9 -67.3 -52.9 -42.4 -31.2	AZN 6.3 6.4 3.7 5.4 7.1 8.5 10.4	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.3 -83.6 -82.5	IMPACT 771  AZA 54.0 48.7 49.4 43.7 38.5 43.6 48.2 53.2	ALT 790.7493 40.33739 39.83234 37.81214 38.70946 49.82851 41.05461 42.60287 41.23683	ATL LA 6 -6.  8/A 0.898 0.917 0.987 0.955 0.911 0.872 0.820 0.866	AS PHOTO T L 708 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.2	NO ON .918 INCD 68.4 64.9 61.8 64.3 67.0 67.7 68.5	253 PHAZ 40.5 47.6 53.2 47.8 42.4 42.2 42.5 47.9	R 26.205 EMIS 30.3 23.5 12.0 18.1 25.4 35.6 30.4	POD S V 2.252 ALPHA 27.2 16.0 8.2 16.2 24.4 24.4 23.1 14.5	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514 92.02688 89.92592	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25.	N RANGE 769 871-0826/ 889 838-1464/ 838-2802-8688/ 774 818-40713 990 846-36072 861 867-9595/ 904-59103 871-84977 884 853-4211	AZS/C 2 -28.4 7 -41.3 7 -38.2 -57.9 2 -67.3 -52.9 3 -42.4 -31.2	AZN 6.3 6.4 7.1 8.5 10.4 7.7	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.3 -83.6 -82.5 -81.4	TAB NO IMPACT 771  AZA 54.0 48.7 49.4 43.7 38.5 43.6 48.2 53.2 58.7	ALT 790.7493 A* 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461 42.60287 41.23683 40.16054	ATL  LA 6 -6.  8/A 0.898 0.997 0.987 0.955 0.911 0.872 0.820 0.866 0.900	AS PHOTO T L 708 -28 AZPHAZ -93.6 -85.6 -85.6 -85.2 -90.2 -95.7 -95.2 -94.8	NO ON .918 INCD 68.4 64.9 61.8 64.3 67.0 67.7 68.5 65.6	255 PHAZ 40.5 47.6 53.2 47.8 42.4 42.2 42.5 47.9 53.3	R 26.205 EMIS 30.3 23.5 12.0 18.1 25.4 29.7 35.6	POD S V 2.252 ALPHA 27.2 16.0 8.2 24.4 24.4 23.1 14.5	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31651 84.46514 92.02688 89.92592 83.40944	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26.	RANGE 769 871.0826. 889 838.1464. 882 802.86881 774 818.4071. 881 867.9595. 559 904.5910. 133 871.8497. 884 853.4212.	AZS/C -28.4 7 -41.3 -38.2 3 -57.9 -67.3 -52.9 3 -42.4 -31.2 -16.7 -23.5	AZN 6.3 6.4 3.7 7.1 8.5 10.4 7.7 4.9 4.2	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.3 -83.6 -82.5	IMPACT 771  AZA 54.0 48.7 49.4 43.7 38.5 43.6 48.2 53.2	ALT 790.7493 40.33739 39.83234 37.81214 39.82851 41.05461 42.60287 41.23683 40.16054 38.85908	ATL  LA' 6 -6.  8/A 0.898 0.917 0.987 0.955 0.911 0.872 0.820 0.866 0.900 0.949	AS PHOTO T L TO8 -28 AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -96.2 -94.8 -90.2	INCD 68.4 64.9 61.8 64.3 67.0 67.7 68.5 65.6 62.9 62.3	252 PHAZ 40.5 47.6 53.2 47.8 42.4 42.2 42.5 53.3 53.0	R 26.205 EMIS 30.3 23.5 12.0 18.1 25.4 29.7 35.6 30.9	POD S V 2.252 ALPHA 27.2 16.0 8.2 16.4 24.4 23.1 14.5 6.2 7.8	PTH -69.737 1 SCALE 05.29572 115.61649 78.00768 83.31851 84.46514 92.02688 89.92592 83.40944 85.91152	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7 7-8 8-9 9-10
PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.588 -28.	RANGE 769 871.0826, 889 838.1464; 882 802.8688; 774 818.40713 864.3607; 867.9595; 994.5910; 333 871.8497; 984 853.4211; 201 821.53416 882 802.8688;	AZS/C 28 AZS/C 2 -28.4 7 -41.3 7 -38.2 6 -57.9 8 -57.9 8 -42.4 9 -31.2 6 -16.7 1 -23.5 7 -38.2 6 -3.8	AZN 6.3 6.4 7.1 8.5 10.4 7.7	SEC TO 355. AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.5 -82.5 -81.4 -81.4	IMPACT 771 AZA 54.0 48.7 38.5 43.6 43.2 53.2 58.2 58.3 49.4	ALT 790.7493 A* 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461 42.60287 41.23683 40.16054	ATL  LA 6 -6.  8/A 0.898 0.917 0.987 0.987 0.872 0.872 0.866 0.900 0.949 0.987	AS PHOTO T L TOB -28 AZPHAL -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2	NO ON .918 INCD 68.4 64.9 61.8 64.3 67.7 68.5 65.6 62.9 62.9 62.8	253 PHAZ 40.5 47.6 53.2 47.8 42.4 42.2 42.5 47.9 53.3 53.0	R 26.205 EMIS 30.3 23.5 12.0 18.1 25.4 29.7 35.6 30.9	POD S V 2.252 ALPHA 27.2 16.0 8.2 24.4 24.4 23.1 14.5	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31651 84.46514 92.02688 89.92592 83.40944	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4-4-5 5-6 6-7-8 8-9 9-10
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -23. 10 -12.187 -26. 11 -9.566 -26. 12 -7.588 -28. 13 -7.405 -26.	RANGE 769 871.0826; 889 838.1464; 882 802.8688; 774 818.4071; 881 867.9595; 559 904.5910; 883 853.4211; 801 821.53416 802.8688; 791.3744; 617 959.366;	AZS/C 2 -284 7 -41.3 7 -48.2 3 -57.9 2 -67.3 5 -52.9 3 -42.4 9 -31.2 5 -16.7 0 -23.5 7 -38.2 5 -38.2 6 -38.2	AZN 6.3 6.4 3.7 5.4 7.1 8.5 10.4 7.7 4.9 3.7	T SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.3 -83.6 -82.6 -82.6 -82.6 -80.7	IMPACT 771 AZA 54.0 48.7 49.4 43.5 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6	ALT 790.7493 A• 40.33739 39.83234 37.81214 41.05461 41.05461 42.60287 41.23683 40.16054 38.85908 37.81214 35.24228 36.67226	ATL  LA  6 -6.  8/A  0.917  0.987  0.955  0.911  0.872  0.866  0.900  0.949  0.987  0.969	AS PHOTO T L TOB -28  AZPHAL -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2 -95.6 -82.2	NO ON .918 INCD 68.4 64.9 61.8 67.7 68.5 65.6 62.9 62.3 61.8 59.0	25; PHAZ 40.5 47.6 53.2 42.4 42.2 42.5 53.3 53.0 53.2 58.9 53.7	R 26.205 EMIS 30.3 23.5 12.0 18.1 25.4 29.7 35.6 26.9 19.1 12.0 2.7	POD S V 2.252 ALPHA 27.2 16.0 8.2 16.4 24.4 23.1 14.5 7.8 8.2 0.1	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31651 92.0268 89.92592 83.40944 85.91152 97.58150 72.88910	AZ 16.128 PY-PY 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 11-12 12-13
PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.558 -28. 13 -7.405 -26.	RANGE 769 871.0826; 889 838.1464; 882 802.8688; 774 818.4071; 990 846.3607; 867.9595; 904.5910; 133 871.8497; 984 853.4211; 201 821.5341; 882 802.8888; 393 791.3744; 795.9366;	AZS/C 2 - 241.3 7 - 41.3 7 - 38.2 8 - 57.9 2 - 67.3 6 - 52.9 9 - 31.2 6 - 16.7 7 - 23.5 7 - 3.3 1 - 69.6 1 - 79.6	AZN 6.3 6.4 7.1 8.5 10.4 7.7 4.9 4.2 3.7	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.5 -82.5 -82.5 -82.6 -82.7 -80.6 -80.6 -80.7 -80.7 -80.7	IMPACT 771 AZA 54-0 48-7 49-4 43-5 43-6 43-5 53-2 58-7 54-7 54-3 50-5 45-6	ALT 790.7493 0.3 40.3 37.83234 37.81214 38.70946 41.05461 42.60287 41.23683 40.16054 38.85908 37.81214 35.24228 36.67226	ATL  LA 6 -6.  8/A 0.898 0.917 0.987 0.911 0.872 0.820 0.820 0.949 0.949 0.949 0.989 0.989	AS PHOTO T L. TOB -28  AZPHAZ -93.6 -90.6 -85.2 -85.7 -90.7 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6	NO ON .918 INCD 68.4 64.9 61.8 64.3 67.0 67.0 68.5 65.6 62.9 62.3 61.8 59.0 61.4 63.9	25: PHAZ 40.5 47.8 42.4 42.5 47.9 53.3 53.0 53.2 58.9 748.4	R 26.205 EMIS 30.3 23.5 12.0 18.1 25.4 26.9 19.1 12.0 2.7 7.99 15.5	POD S V 2.252 ALPHA 27.2 16.0 8.2 16.2 24.4 24.4 24.1 16.2 7.8 8.2 0.1 7.5 15.5	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514 92.0268 89.92592 83.40944 85.91152 79.59352 77.58352 72.888910 76.42188	AZ 16.128 PY-PY 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
PHOTO DATA PT LAT LO 1 -11.015 - 19. 2 -12.114 - 23. 3 -9.566 - 26. 4 -9.432 - 23. 5 -9.290 - 20. 6 -12.050 - 20. 7 -15.045 - 20. 8 -15.015 - 23. 9 -15.016 - 25. 10 -12.187 - 26. 11 -9.566 - 26. 12 -7.558 - 28. 13 -7.405 - 26. 14 -7.225 - 23. 15 -7.023 - 21.	RANGE 769 871.0826; 889 838.1464; 882 802.8688; 774 818.4071; 881 867.9595; 899 904.5910; 81 853.4211; 821.5341; 882 802.8688; 791.3744; 81 795.9366; 810.9936; 810.9936; 810.9936;	AZS/C 2 -28.4 7 -41.3 7 -38.2 3 -57.9 2 -67.3 5 -52.9 3 -42.4 9 -31.2 5 -16.7 7 -38.2 5 -3.3 1 -69.6 1 -79.6 2 -83.0	AZN 6.3 6.4 3.7 7.1 8.5 10.4 7.7 4.9 4.2 3.7 4.9	T SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.3 -82.5 -81.4 -81.0 -80.8 -80.6 -80.7 -80.7 -80.7 -80.6	TAB NO  IMPACT 771  AZA 54.0 48.7 49.4 43.7 38.5 48.2 53.2 53.2 53.2 545.6 38.8 49.4 3.8 33.7	ALT 790.7493 A. 40.33739 39.83234 37.81214 38.70946 41.05461 42.60287 41.23683 40.16054 38.85908 37.81214 35.24228 36.67226 37.91260	ATL  LA 6 -6.  8/A 0.898 0.917 0.987 0.951 0.872 0.820 0.866 0.900 0.949 0.989 0.989 0.979 0.939	AS PHOTO T L 1708 -28  AZPHAL -93.6 -90.2 -85.6 -85.2 -94.7 -90.2 -94.8 -90.2 -94.8 -90.2 -95.7 -90.2 -91.8 -90.9 -90.9 -90.90.9	NO NO 1NCD 68.4 64.9 61.8 67.0 67.7 68.5 65.6 62.9 62.3 61.8 59.0 61.4 63.9 66.6	252 PHAZ 40.5 47.6 53.2 47.8 42.4 42.5 47.9 53.3 53.0 53.0 53.0 53.0 53.0 44.4 44.4 44.4 44.4 44.4 44.4 44.4 4	R 26.205 EMIS 30.3 12.0 18.1 25.4 29.7 35.6 26.9 19.1 12.0 7.9	POD S V 2.252 ALPHA 27.2 16.0 16.2 24.4 23.1 14.5 6.2 7.8 8.2 0.1 7.7 15.5	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.316514 92.02688 89.92592 83.40944 55.91152 97.58150 72.88910 76.42188	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 10-11 11-12 12-13 13-14 14-15
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18.	RANGE 769 871.0826; 889 838.1464; 882 802.8688; 774 818.4071; 881 867.9595; 904.5910; 333 871.8497; 201 821.5341; 201 821.5341; 828 802.8688; 838 791.3744; 818 806.9366; 810.9366; 810.9366; 810.9366; 810.9366; 810.9366; 810.9366; 810.9366; 810.9366; 810.9366; 810.9366;	AZS/C 2 -28.4 7 -41.3 7 -38.2 3 -57.9 2 -67.3 5 -67.3 6 -31.2 5 -16.7 7 -38.2 5 -16.7 7 -38.2 6 -69.6 6 -79.6 6 -79.6 6 -84.8	AZN 6.3 6.4 7.1 8.5 10.4 7.7 4.9 4.2 3.7 1.9 3.7 6.0	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.3 -82.3 -82.3 -82.5 -81.0 -80.8 -80.6 -80.7 -80.7 -80.6	IMPACT 771  AZA 54.0 49.4 43.7 343.6 48.2 53.2 58.7 54.8 49.4 50.5 49.4 50.5 38.8 33.7	130 ALT 790.7493 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461 42.60287 41.2368 40.16054 42.60287 37.81214 35.24228 36.67226 37.91260 38.96468 40.28215	ATL  LA  6 -6.  8/A  0.898  0.917  0.955  0.911  0.872  0.820  0.866  0.900  0.949  0.987  0.969  0.979  0.989  0.989  0.989  0.989	AS PHOTO T L. TOB -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.9 -80.1	NO ON .918 INCD 68.4 64.9 61.8 64.3 67.7 68.5 65.6 62.9 62.3 61.8 63.9 66.6 69.5	253 PHAZ 40.5 47.6 53.2 47.8 42.4 42.5 47.9 53.3 53.0 53.2 53.2 48.4 43.1 37.9	R 26.205 EMIS 30.3 23.5 12.0 18.1 25.4 35.6 30.4 26.9 19.1 12.0 2.7 7.9 15.5 23.6	POD S V 2.252 ALPHA 27.2 16.0 8.2 24.4 24.4 24.1 14.5 6.2 7.8 8.2 0.1 7.7 15.5 23.4 31.5	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514 92.0268 89.92592 83.40944 85.91152 79.59352 77.59352 72.88810 72.48881 81.467941 88.63648	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 4 -9.432 -23. 5 5 -9.290 -20. 6 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 3	RANGE 871.08262 889 838.146463 882 802.86883 8774 818.40713 990 846.36072 581 867.95956 589 904.5910 589 904.5910 589 853.42113 861.53416 862 802.8688 878.37463 878.37463 878.37463 878.30463 87	AZS/C 2 -28.4 7 -41.3 7 -38.2 1 -57.9 2 -67.3 6 -52.9 3 -42.4 9 -31.2 5 -16.7 7 -38.2 5 -69.6 6 -79.6 2 -83.0 5 -83.0	AZN 6.3 6.4 3.7 7.1 8.5 10.4 9 4.2 1.9 4.7 1.9 4.7 1.9 3.7 6.0 7.2	T SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.3 -83.6 -82.6 -82.6 -80.7 -80.6 -80.7 -80.6 -80.7 -80.6 -80.7 -80.6 -80.7 -80.6 -80.15	IMPACT 771 AZA 54.0 48.7 49.4 43.5 43.6 54.2 53.2 53.2 58.7 59.5 45.6 38.8 33.7 29.2	130 ALT 790.7493 40.33739 39.83234 37.81214 38.70946 42.60287 41.23683 40.16054 38.85908 37.81214 37.91260 37.91260 37.91260 37.91260 37.91260 37.91260	ATL  -6 -6.  8/A 0.898 0.917 0.987 0.987 0.987 0.872 0.820 0.8600 0.949 0.989 0.989 0.989 0.9880 0.880	AS PHOTO T L T708 -28 AZPHAZ -93.6 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.9 -81.6 -80.9 -84.2	NO ON .918 INCD 68.4 64.3 67.0 67.7 68.5 65.6 62.9 61.8 59.0 61.8 63.9 66.6 67.0	25: PHAZ 40.5 47.8 42.4 42.4 42.5 47.9 53.3 53.0 53.2 58.9 748.4 43.1 37.9	R 26.205 EMIS 30.3 23.5 12.0 125.4 29.7 35.6 26.9 19.1 2.7 7.5 23.5 31.6 33.3	POD S V 2.252 ALPHA 27.2 16.0 8.2 24.4 23.1 14.5 7.8 8.2 0.1 7.7 15.5 23.4 31.5	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 492.02688 89.92592 83.40944 85.91152 79.59352 97.5818910 76.42188 81.46791 88.63648 11.88841	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17.	RANGE 769 871.0826; 889 838.1464; 882 802.8688; 774 818.4071; 990 846.3607; 581 867.9595; 904.5910; 333 871.8497; 201 821.5341; 201 821.5341; 201 821.5341; 517 795.9366; 980 810.9936; 277 837.9542; 538 878.8042; 553 888.8896;	AZS/C 2 -28.4 7 -41.3 7 -38.2 8 -57.9 9 -67.3 6 -67.3 6 -79.6 1 -79.6 2 -84.8 8 -79.6 2 -84.8 8 -77.6 2 -84.8	AZN 6.3 6.4 7.1 8.5 10.4 7.7 4.9 4.2 3.7 1.9 3.7 6.0	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.3 -82.3 -82.3 -82.5 -81.0 -80.8 -80.6 -80.7 -80.7 -80.6	IMPACT 771  AZA 54-0 48-7 43-5 43-6 53-2 58-7 48-2 58-7 45-6 38-8 33-7 29-9 38-8	130 ALT 790.7493 40.33739 39.83234 37.81214 38.70946 41.05461 42.60287 41.23683 37.81214 38.85908 37.81214 35.24228 36.67226 37.91260 38.96468 40.26215 41.23638 42.60395	ATL  LA  6 -6.  8/A  0.898  0.917  0.987  0.872  0.872  0.820  0.846  0.900  0.949  0.987  0.989  0.9880  0.880  0.8850  0.815	T L. T708 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -94.8 -90.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.9 -80.1 -79.0 -84.2	NO ON .918 INCD 68.4 64.9 61.8 67.7 68.5 65.6 62.9 62.3 61.8 59.0 61.4 63.9 66.6 69.5 70.0	250 PHAZ 40.5 47.6 53.2 47.8 42.4 42.5 42.5 53.3 53.0 53.2 58.9 53.7 48.4 43.1 37.9 37.2	R 26.205 EMIS 30.3 23.5 12.0 125.4 29.7 35.6 30.4 12.0 7.9 15.5 31.6 336.9	POD S V 2.252 AL PHA 27.2 16.2 24.4 24.4 23.1 14.5 6.2 7.7 15.5 31.5 32.7	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514 92.02688 89.92592 83.40944 85.91152 97.58150 76.42188 81.463648 71.88841 88.21770	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 5-5 5-6 7 7-8 8-9 9-10 11-12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTORY DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17.	RANGE 769 871.0826; 889 838.1464; 882 802.8688; 774 818.4071; 990 846.3607; 581 867.9595; 904.5910; 333 871.8497; 201 821.5341; 201 821.5341; 201 821.5341; 517 795.9366; 980 810.9936; 277 837.9542; 538 878.8042; 553 888.8896;	AZS/C 2 -28.4 7 -41.3 7 -38.2 8 -57.9 2 -67.3 5 -52.9 6 -16.7 7 -38.2 6 -16.7 7 -38.2 6 -16.7 6 -84.4 6 -79.6 6 -84.8 8 -69.6 6 -84.8 8 -69.6 6 -70.6 6 -84.8	AZN 6.3 6.4 3.7 1.9 10.4 7.7 4.2 3.7 1.9 3.3 4.7 6.0 7.2 8.7	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.6 -82.6 -82.7 -81.4 -81.0 -80.6 -80.8 -80.6 -80.7 -80.7 -80.6 -80.7 -80.6	IMPACT 771 AZA 54.0 48.7 49.4 43.5 43.6 54.2 53.2 53.2 58.7 59.5 45.6 38.8 33.7 29.2	ALT 790.7493 40.33739 39.83234 37.81214 38.70946 39.82851 41.035461 42.60287 41.23683 40.16054 38.85908 37.81214 37.91260 37.91260 34.67226 34.67226 40.28215 41.2368 42.60695	ATL  LA* 6 -6.  8/A 0.898 0.917 0.985 0.911 0.816 0.900 0.949 0.987 0.969 0.989 0.989 0.989 0.989 0.985 0.885 0.885	T L T708 -28  AZPHAZ -93.6  -90.2  -85.6  -90.2  -85.7  -95.7  -95.2  -81.6  -80.9  -80.9  -80.9  -80.9	NO ON .918 INCD 68.4 64.9 61.8 64.3 67.0 67.7 68.5 65.6 62.9 66.6 62.9 66.6 67.7 70.8	25; PHAZ 40.5 47.6 53.2 47.8 42.4 42.5 47.9 53.0 53.2 58.9 53.2 58.9 37.2 36.8	R 26.205 EMIS 30.3 23.5 12.0 125.4 25.4 26.9 12.0 2.7 715.5 23.6 33.3 36.9 142.0	POD S V 2.252 AL PHA 27.2 16.2 24.4 24.4 23.1 14.5 6.2 7.7 15.5 31.5 32.7	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 49.02688 89.92592 83.40944 85.91152 79.59352 77.58150 72.88810 72.88810 72.88810 72.88810 72.88810 72.88810 73.88810 74.8881	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 17 17-18 18-19
TRAJECTORY DATA PT LAT LO 1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.558 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17. 19 -15.117 -16. 20 -18.637 -15. 21 -18.390 -19.	RANGE 769 871.0826; 89 838.1464; 89 838.1464; 892.8688; 774 818.4071; 990 846.3607; 867.9595; 9904.5910; 833 871.8497; 984 853.4211; 201 821.5341; 882 802.8888; 938 791.3744; 938 889.8896; 810.9366; 939 913.4600; 953 954.8877; 950 1017.3055	AZS/C 2 -28.4 7 -41.3 7 -38.2 3 -57.9 2 -67.3 3 -52.9 3 -42.2 5 -16.7 7 -38.2 5 -3.3 1 -69.6 2 -83.0 6 -79.6 6 -83.0 6 -79.6 6 -83.0 6 -79.6 6 -83.0 6 -79.6 6 -79.6 7 -83.0 7 -79.6 7 -79.6 8 -79.6 9	AZN 6.3 6.4 3.7 5.4 10.4 7.7 4.9 4.2 3.7 1.9 3.7 10.6 13.1 16.4	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.4 -82.3 -82.6 -82.6 -80.6	IMPACT 771  AZA 548-7 49-4 43-7 38-5 43-2 53-2 545-8 33-7 249-4 349-4 349-4 349-4 349-4 50-5 338-8 33-7 233-9 348-4 47-7	130 ALT 790.7493 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461 42.60287 41.23683 40.16054 37.81214 35.24228 36.67226 37.91260 38.95468 42.60695 44.36202 46.67221 44.55949 44.55949	ATL  LA 6 -6.  B/A 0.917 0.987 0.955 0.911 0.820 0.8820 0.987 0.987 0.989 0.987 0.989 0.985 0.810 0.885 0.810 0.885 0.810 0.855 0.810 0.865	T L T708 - 28  AZPHAI - 93.6  -90.2 -85.6 -85.2 -84.7 -90.2 -84.8 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3 -102.2	NO ON .918 1NCD 68.4 64.9 61.8 67.0 68.5 66.6 66.5 61.8 63.9 62.3 61.4 69.5 70.0 71.8 73.2	253 PHAZ 40.5 47.6 53.2 42.4 42.5 47.9 53.0 53.0 53.0 53.2 48.4 43.1 37.2 38.2 38.2 38.2 38.2	R 26.205 EMIS 30.3 23.50 112.7 35.64 22.7 35.63 33.9 112.7 15.5 231.6 336.9 142.7 442.7	POD S V 2.252 ALPHA 27.20 16.2 24.4 24.4 23.1 14.5 7.8 8.2 0.1 7.7 5.2 3.4 31.9 29.3	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514 92.02688 89.92592 83.40944 85.91152 97.58150 76.42188 81.463648 71.88841 88.21770	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-5 10-11 11-12 112-13 13-14 14-15 16-17 17-18 18-19 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAT LO  1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17. 19 -15.117 -16. 20 -18.637 -15. 21 -18.390 -19. 22 -18.233 -22.	RANGE 769 871.0826; 889 838.1466; 882 802.8688; 774 818.4071; 990 846.3607; 818 67.4959; 904.5910; 818 833.4211; 8201 821.5341; 821.5341; 818 803.4211; 8201 821.5341; 818 803.4211; 8201 821.5341; 8202.8688; 838 888.896; 839 91.3744; 850 939 91.34600; 850 939 91.34600; 850 959.9017	AZS/C 2 -28.4 7 -41.3 7 -38.2 8 -57.9 2 -67.3 6 -52.9 7 -38.2 8 -16.7 7 -38.5 6 -72.6 6 -73.5 6 -72.6 6 -73.5 6 -72.6 6 -73.5 7 -38.2 8 -70.6 8 -70.6 9 -70.6	AZN 6.3 6.4 3.7 7.1 8.5 10.4 7.7 4.9 3.3 4.7 1.9 3.3 4.7 10.6 13.1 16.4 12.8	T SEC TO 355.  AZSUN -81.7 -80.8 -81.7 -80.8 -81.4 -82.5 -82.5 -81.4 -81.0 -80.6 -80.4 -80.6 -80.4 -81.6 -85.0 -85	IMPACT 771  AZA 54-0 48-7 49-7 38-5 53-5 53-7 54-3 33-9 38-8 43-7 52-4	130 ALT 790.7493 40.33739 39.83234 37.81214 39.82851 41.05461 42.60287 41.23683 40.16054 38.85908 37.81214 35.24228 37.91260 37.91260 38.96468 40.28215 41.23688 40.667224 44.59949 44.36202 44.36202 44.36202 44.36202 44.39949 43.02456	ATL  LA 6 -6.  8/A 0.8987 0.917 0.987 0.911 0.872 0.880 0.900 0.949 0.987 0.989 0.989 0.989 0.980 0.850 0.850 0.850 0.8752 0.801	AS PHOTO  T L.  T708 -28  AZPHAI -93.6  -90.2  -85.2  -85.7  -90.2  -95.7  -90.2  -84.7  -90.2  -85.6  -80.9  -80.1  -79.0  -80.1  -79.0  -80.3  -90.3  -90.3  -90.3	NOO 0N .918 1NCD 68.4 64.9 64.3 67.0 68.5 65.6 62.9 62.3 61.4 62.3 61.4 69.5 70.0 70.8 71.8 73.2 69.6 66.5	250 PHAZ 40.5 47.6 47.8 42.2 42.5 53.0 53.0 53.0 53.7 43.1 37.9 37.9 36.8 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1	R 26.205 30.3 23.5 18.1 25.4 26.9 19.1 2.7 7.5 23.5 23.5 23.5 23.5 33.3 34.9 48.6 42.7 48.6	POD S V 2.252 AL PHA 27.2 16.0 8.2 16.4 24.4 23.1 14.5 6.2 7.8 8.2 17.7 15.5 31.7 31.7 31.7 31.7 31.7 31.7	PTH -69.737 1  SCALE 0. 115.29572 115.61649 78.00768 83.316514 92.02688 89.92592 83.40944 85.91159 76.42188 81.46791 88.63648 81.46791 88.63648 11.88841 188.21770 97.00743	AZ 16.128 PY-PY 0-1 1-2 2-3 3-4 5-5 6-7 7-8 8-9 9-10 11-12 11-12 112-13 13-14 14-15 15-16 16-17 17-18 18-19-20 20-21 21-22
TRAJECTORY DAT  PHOTO DATA  PT LAT LO  1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17. 19 -15.117 -16. 20 -18.637 -15. 21 -18.390 -19. 22 -18.233 -22. 23 -18.141 -25.	RANGE 769 871.0826; 89 838.1464; 882 802.8688; 774 818.4071; 890 846.3607; 867.9595; 904.5910; 333 871.8497; 201 821.5341; 201 821.5341; 201 821.5341; 201 821.5341; 201 821.5341; 201 821.5341; 201 821.5341; 201 821.5341; 201 821.5342; 203 879.3688, 208 810.9936; 207 837.9540; 207 8	AZS/C 2 -28.4 7 -41.3 7 -38.2 3 -57.9 2 -67.3 5 -52.9 3 -31.2 5 -16.7 7 -38.2 5 -31.3 1 -69.6 2 -83.0 5 -84.8 6 -72.6 6 -43.0 6 -34.9 9 -31.2 2 -50.5 6 -34.9 9 -69.6 6 -34.9 9 -69.6 6 -34.9 9 -69.6 6 -34.9 6 -34.8 6 -34.8	AZN 6.3 4 5.1 10.4 7.7 1.9 3.3 4.7 6.0 2 8.7 10.6 13.1 16.4 9.3 5.8	SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -82.3 -82.6 -82.5 -81.4 -81.5 -80.6 -80.6 -80.7 -80.7 -80.6	IMPACT 771  AZA 54.0 48.7 49.4 43.7 38.5 53.2 53.2 53.6 53.6 33.7 23.7 38.8 49.4 47.7 47.7 47.7 47.7	130 ALT 790.7493 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461 42.60287 41.23663 40.16054 38.85908 37.81214 35.24228 36.67226 37.91260 38.96468 42.60690 44.36202 46.67221 44.59949 43.02456 44.59949 43.02456	ATL  LA  6 -6.  8/A  0.917  0.955  0.911  0.872  0.820  0.987  0.989  0.987  0.989  0.989  0.989  0.989  0.989  0.985  0.8800  0.8800  0.8800  0.8800  0.8800  0.8800  0.8800  0.8800  0.8800  0.8800  0.8800  0.8800  0.8800	AS PHOTO T L T708 -28 AZPHAL -93.6 -90.2 -85.6 -85.2 -95.7 -95.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2 -81.6 -80.9 -80.9 -80.1 -79.0 -84.2 -90.3 -102.2 -101.1 -100.1	NOON .918 INCD 68.4 64.9 64.9 66.5 62.9 66.5 62.9 67.7 70.0 71.8 70.0 65.6 66.5 69.5 70.0 66.5 66.5 66.5 66.5 66.5 66.5 66.5 6	25; PHAZ 40.5 47.6 47.6 47.6 47.8 42.5 47.8 42.5 42.5 42.5 42.5 42.5 43.3 43.4 43.2 43.3 48.4 43.3 48.4 48.3 48.4 48.3	R 26.205 EMIS 30.3 12.0 18.1 23.5 12.0 26.9 112.0 26.9 112.0 27.7 15.5 23.6 33.3 34.6 42.1 42.7 38.1	POD S V 2.252 ALPHA 27.2 16.0 24.4 23.1 14.5 23.1 14.5 23.5 32.7 33.0 31.9 22.3 31.9 22.3 31.7 33.0	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514 92.02688 89.92592 83.40944 85.91152 79.59352 77.58150 72.888910 76.42188 81.46791 88.63648 71.88641 88.21770 97.00743	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 21-22 22-23
TRAJECTORY DATA  PHOTO DATA  PT LAY LO  1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17. 19 -15.117 -16. 20 -18.637 -15. 21 -18.390 -19. 22 -18.233 -22. 23 -18.141 -25. 24 -18.100 -28.	RANGE 769 871.0826; 889 838.1466; 882 802.8688; 774 818.4071; 881 867.9595; 889 904.5910; 888 853.4211; 8201 821.53418 880 820.8688; 8791.3744; 880 810.9936; 817 95.9366; 880 810.9936; 878 883.40814 878 88966; 878 893.40814	AZS/C 2 -28.4 7 -41.3 7 -38.2 3 -57.9 2 -67.3 5 -52.9 6 -16.7 7 -38.2 5 -16.7 7 -38.2 2 -83.0 6 -79.6 6 -79.6 6 -79.6 6 -43.0 6 -84.8 8 -50.5 6 -43.0 6 -43.0 7 -30.5 8 -42.4 9 -30.5 8 -42.4 9 -30.5 9 -30.5	AZN 6.3 6.4 4.2 7.7 5.4 7.7 10.4 6.2 3.7 7.1 10.4 12.8 8.7 5.8 7.1 16.4 12.8 8.7 5.8 3.8 3.8 4.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8	T SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.6 -82.5 -81.4 -81.0 -80.8 -80.7 -80.6 -80.7 -80.4 -85.6 -82.1 -80.4 -85.4 -82.1 -80.6 -82.1 -80.6 -82.1 -80.6 -82.1 -80.6 -82.1 -80.6 -82.1 -80.6 -82.1 -80.6	IMPACT 771  AZA 54.0 48.7 49.7 38.5 43.6 48.2 58.7 49.4 50.6 38.8 43.4 50.6 38.8 47.7 52.4 62.7	130 ALT 790.7493 40.33739 39.83234 37.81214 38.70946 42.60287 41.03546 42.60287 41.23683 40.16054 38.85908 37.81214 35.22428 36.67226 47.91260 37.91260 37.91240 40.65321 41.36949 42.60695 44.36202 46.67221 44.59949 44.36202 40.65321 41.80334 40.85321	ATL  LA  6 -6.  8/A  0.8948  0.917  0.9872  0.8722  0.8206  0.900  0.9499  0.987  0.987  0.987  0.9880  0.9899  0.9890  0.9890  0.9850  0.8150  0.8150  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.850	AS PHOTO  T L.  T708 -28  AZPHAL -93.6  -90.2  -85.6  -85.2  -95.7  -95.2  -94.8  -90.2  -85.6  -80.9  -80.1  -79.0  -84.2  -90.3  -90.3  -102.2  -101.1  -99.4	NOO NOO 1NCD 68.4 64.9 64.3 67.7 68.5 66.6 62.9 62.3 66.6 69.5 70.0 70.8 73.2 66.5 69.6 69.6 69.6 69.6	130 253 40.5 47.6 47.8 42.2 42.5 53.0 53.0 53.0 53.0 788.4 43.1 37.2 36.2 36.8 37.2 36.8 37.2 38.8 53.8 53.8	R 26-205 EMIS 30-3 12-0 125-1 18-1 12-0 7 7-9 19-1 12-0 7 7-9 12-3 12-5 12-5 12-5 12-5 12-5 12-5 12-5 12-5	POD S 2.252 ALPHA 27.26.0 16.2 24.4 23.1 14.5 7.7 15.5 23.6 31.5 3	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 492.02688 89.92592 83.40944 92.02688 89.92592 83.40944 92.02688 81.46791 88.63648 81.46791 88.63648 81.46791 88.63648 81.48806 87.48806 87.48806	AZ 16-128 PT-PT 0-1 1-22-3 3-4 4-5 5-6-7 7-8 8-9-10 10-11 11-12-13 13-14 14-15 15-16 16-17 17-18 18-19 20-21 22-22 22-23 23-24
TRAJECTORY DAT  PHOTO DATA  PT LAT LO  1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17. 19 -15.117 -16. 20 -18.637 -15. 21 -18.390 -19. 22 -18.233 -22. 23 -18.141 -25. 24 -18.100 -28. 25 -15.042 -28.	RANGE 769 871.0826; 889 838.1464; 882 802.8688; 774 818.4071; 990 846.3607; 581 867.9595; 581 867.9595; 581 867.9595; 581 867.9595; 581 867.9595; 581 867.9595; 581 867.9595; 582 802.8688; 581.3795.9366; 583 871.3745; 583 888.8896; 583 893.4600; 583 954.6877; 585 1017.3751; 586 955.9017; 586 955.9017; 587 952.5608; 587 961.2224; 588 893.4081; 588 893.4081; 588 893.4081; 588 893.4081; 588 893.4081; 588 893.4081; 588 893.4081; 588 893.4081; 588 893.4081; 588 893.4081;	AZS/C 2 -28.4 7 -41.3 7 -38.2 3 -57.9 2 -67.3 5 -52.9 8 -31.2 5 -16.7 7 -38.2 5 -3.3 1 -69.6 2 -83.0 6 -79.6 5 -84.8 5 -70.6 5 -84.8 6 -70.6 6 -34.9 9 3 -24.8 8 3 -30.6 9 3 -34.9 9 3 -24.8 9 3 -24.8 9 3 -24.8	AZN 46.3.7 6.4 7.1 8.7 1.9 8.7 1.9 8.7 1.9 8.7 1.9 8.7 1.9 9.3 3.3 1.1 1.2 8.9 3.3 2.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	SEC TO 355. AZSUN -81.8 -81.7 -80.8 -81.4 -82.3 -83.5 -81.4 -81.5 -80.6 -80.7 -80.6 -80.7 -80.6 -80.7 -80.6 -80.7 -80.6 -80.6 -80.7 -80.6	TAB NO IMPACT 771  AZA 48.7 49.4 43.7 38.6 43.6 53.2 545.6 33.7 49.4 49.5 45.6 33.7 68.6 45.6 64.7	130 ALT 790.7493 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461 42.60287 41.23683 40.16054 38.85908 37.81214 35.24228 36.67226 37.91240 40.28215 41.23698 42.602695 44.36202 46.67221 44.59949 43.02654 44.59949 43.02656 44.59949 43.02656 44.59949 39.3117	ATL  LA  6 -6.  B/A  0.997  0.997  0.917  0.917  0.917  0.919  0.909  0.909  0.919	AS PHOTO  T L  TO8 -28  AZPHAL -93.6 -90.2 -85.6 -85.2 -94.7 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.3 -96.3 -102.2 -910.1 -100.1 -99.4	NOON .918 INCD 68.4 64.9 61.8 64.3 67.7 65.6 62.9 62.9 61.4 63.9 66.5 67.7 70.0 70.8 71.8 770.0 66.5 66.5 66.5 66.5 66.5 66.5 66.5 6	25; PHAZ 40.5 53.2 47.6 53.2 47.8 42.5 47.9 53.3 53.2 42.5 42.5 42.5 42.5 42.5 42.5 42.5 42	R 26.205 EMIS 323.5 12.0 125.4 22.7 35.6 26.9 19.0 12.7 7.9 15.5 33.3 342.0 42.7 35.1 35.1 35.1	POD S 2.252 ALPHA2 16.02 16.02 24.4 24.4 24.1 14.5 6.2 24.4 24.5 8.2 17.7 8.2 17.7 33.6 31.9 29.4 41.7 11.	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514 92.0268 89.92592 83.40944 85.91152 79.59352 77.58150 72.88910 76.42188 81.46791 88.63648 71.88861 88.2170	AZ 16.128 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-22 21-22 21-22 21-22 22-23 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LO  1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17. 18 -11.995 -17. 19 -15.117 -16. 20 -18.637 -15. 21 -18.390 -19. 22 -18.233 -22. 23 -18.141 -25. 24 -18.100 -28. 25 -15.042 -28.	RANGE 769 871.0826; 889 838.1466; 882 802.8688; 774 818.4071; 881 867.9595; 889 904.5910; 888 853.4211; 8201 821.5348; 882 802.8688; 8791.3744; 887 88896; 898 878.8042; 878.8042; 878.8042; 878.8042; 878.8042; 878.8042; 878.8042; 878.8042; 8878.4081; 8878.4081; 8878.4081; 8878.4081; 8878.4081;	AZS/C 2 -28.4 7 -41.3 7 -38.2 1 -57.9 2 -67.3 6 -52.9 6 -42.4 9 -31.2 6 -16.7 7 -38.2 6 -72.6 6 -72.6 6 -72.6 6 -72.6 6 -72.6 6 -72.6 7 -34.8 8 -72.6 9 -34.8 8 -12.9 9 -34.8 8 -12.9 9 -34.8	AZN 6.3 6.3 6.4 7.1 1.9 10.4 4.7 4.9 4.7 1.9 13.3 4.7 10.6 12.8 12.8 12.8 2.2 2.2	T SEC TO 355.  AZSUN -81.8 -81.7 -80.8 -81.1 -81.3 -82.6 -82.6 -82.6 -82.6 -82.6 -80.7 -80.6 -80.7 -80.6 -80.4 -83.6 -82.1 -83.6 -82.1 -80.6 -80.3 -80.3 -80.3	IMPACT 771  AZA 54.0 48.7 49.4 43.7 43.6 48.2 58.7 54.3 49.4 50.6 38.8 47.7 52.4 47.7 52.4 64.7 60.6	ALT 790.7493 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461 42.60287 41.23683 40.16054 38.85908 37.81214 37.91260 37.91216 37.91260 42.60695 44.36202 46.67222 46.67221 41.80334 40.65321 39.31177 38.08458	ATL  LA  6 -6.  8/A  0.917  0.995  0.911  0.955  0.911  0.955  0.911  0.955  0.910  0.956  0.900  0.956  0.900  0.956  0.900  0.956  0.900  0.956  0.900  0.956  0.900  0.956  0.900  0.956  0.900  0.956  0.900  0.956  0.855  0.814  0.900  0.855  0.814  0.9000  0.90000  0.90000  0.90000  0.90000  0.90000  0.90000  0.90000  0.90	AS PHOTO T L8 T708 -28 AZPHAZ -93.6 -90.2 -85.6 -95.7 -95.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3 -102.2 -101.1 -99.7 -94.5	NOON .918 INCO 68.4 64.9 61.8 67.0 65.6 65.6 65.6 61.4 65.5 70.0 70.8 77.2 66.6 66.5 63.7 60.3 60.3 60.3 60.3 60.3 60.3 60.3 60.3	25, PHAZ 40.5 53.2 40.5 53.2 42.5 47.9 53.0 53.0 53.7 43.1 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8 37.2 36.8	R 26-205 EMIS 30-3 12-0 12-5-4 23-5-6 30-4 25-4 29-1 19-1 12-0 7-9 19-1 12-0 33-3 36-9 48-6 33-3 36-9 48-6 38-1 38-1 38-1 38-1 38-1 38-1 38-1 38-1	POD S  V 2.252 ALPHA 27.2 16.0 8.2 24.4 23.1 14.5 6.2 21.5 6.2 21.5 6.2 21.7 7 31.9 29.4 20.1 7 31.9 29.4 20.1 7 31.9 29.4 20.1 7 31.9 29.4 20.3	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.318514 92.02688 89.92592 83.40944 85.91152 79.59352 97.58150 76.42188 81.46791 88.63648 81.46791 88.63648 81.46791 88.11770 97.00143 10.51673 107.08216 87.48806 87.48806 87.48806	AZ 16-128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7-7 8-8 9-10 10-11 11-12 12-13 13-14 14-15 15-16 116-17 17-18 18-19 19-20 22-23 23-24 24-25 25-26
TRAJECTORY DAT  PHOTO DATA  PT LAT LO  1 -11.015 -19. 2 -12.114 -23. 3 -9.566 -26. 4 -9.432 -23. 5 -9.290 -20. 6 -12.050 -20. 7 -15.045 -20. 8 -15.015 -23. 9 -15.016 -25. 10 -12.187 -26. 11 -9.566 -26. 12 -7.568 -28. 13 -7.405 -26. 14 -7.225 -23. 15 -7.023 -21. 16 -6.793 -18. 17 -9.136 -17. 18 -11.995 -17. 19 -15.117 -16. 20 -18.637 -15. 21 -18.390 -19. 22 -18.233 -22. 23 -18.141 -25. 24 -18.100 -28. 25 -15.042 -28.	RANGE 769 871.0826; 889 838.1464; 882 802.8688; 774 818.4071; 990 846.3607; 581 867-9595; 581 867-9595; 581 867-9595; 581 867-9595; 582 802.8688; 388 791.3744; 583 879.366; 584 853.4600; 585 867.3795.366; 586 878.8042; 587 888.8896; 587 989.9017; 575 922.5608; 578 893.4081; 578 893	AZS/C 2 -28.4 7 -41.3 7 -38.2 3 -57.9 2 -67.3 3 -52.9 3 -32.6 3 -31.2 5 -16.7 7 -38.2 5 -16.5 6 -84.8 6 -79.6 6 -84.8 6 -79.6 6 -84.8 6 -79.6 6 -84.8 6 -79.6 7 -38.2 7 -84.8 8 -57.9 8 -50.6 6 -34.9 8 -43.0 9 -31.2 9 -67.3 1 -69.6 1 -79.6 1 -79.6	AZN 3.7 6.3 6.4 4.7 6.0 7.7 7.4 9.9 3.3 7.1 16.4 8.7 116.2 8.7 12.8 2.3 2.2 2.0 2.0 9.1 9.1 9.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1	SEC TO 355. AZSUN -81.8 -81.7 -80.8 -81.4 -82.3 -83.5 -81.4 -81.5 -80.6 -80.7 -80.6 -80.7 -80.6 -80.7 -80.6 -80.7 -80.6 -80.6 -80.7 -80.6	TAB NO IMPACT 771  AZA 48.7 49.4 43.7 38.6 43.6 453.2 545.6 33.7 49.4 49.4 40.7 60.6 60.7 60.5	130 ALT 790.7493 40.33739 39.83234 37.81214 38.70946 39.82851 41.05461 42.60287 41.23683 40.16054 38.85908 37.81214 35.24228 36.67226 37.91240 40.28215 41.23698 42.602695 44.36202 46.67221 44.59949 43.02654 44.59949 43.02656 44.59949 43.02656 44.59949 39.3117	ATL  LA  6 -6.  8/A  0.917  0.957  0.957  0.955  0.911  0.822  0.820  0.820  0.850  0.900  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.850  0.900  0.900  0.900  0.900  0.900  0.900  0.900  0.900	AS PHOTO  T L  TO8 -28  AZPHAL -93.6 -90.2 -85.6 -85.2 -94.7 -90.2 -95.2 -95.6 -85.6 -80.9 -80.1 -79.0 -84.2 -90.3 -96.3 -102.2 -101.1 -100.1 -99.4 -98.7 -94.5 -90.2	NOO	130 25: PHAZ 40.5 53.2 47.6 47.6 42.2 47.9 53.3 53.7 48.4 43.3 37.2 43.3 37.2 43.3 58.9 58.9 58.9 58.9 58.9 58.9 58.9	R 26.205 EMIS 323.5 22.0 125.4 25.4 26.9 19.0 125.5 23.6 33.3 342.0 24.7 35.6 33.3 342.1 17.5 35.1 17.5	POD S 2.252 ALPHA2 16.02 16.02 24.4 24.4 24.1 14.5 6.2 24.4 24.5 8.2 17.7 8.2 17.7 33.6 31.9 29.4 41.7 11.	PTH -69.737 1 SCALE 0. 115.29572 115.61649 78.00768 83.31851 84.46514 92.0268 89.92592 83.40944 85.91152 79.59352 77.58150 72.88910 76.42188 81.46791 88.63648 71.88861 88.2170	AZ 16-128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-225 25-26-27

					RA-VII	CAMERA	FA								66
					1	AB NO	131	ATLA	IS PHOTO	NO	131		POD SI	EQUENCE NO	268
JULY 31,19	164 13 HR	19 MIN 58	SEC 148	MS										•	
TRAJECTOR					SEC TO 350.		ALT 779.92789	LAT			251	R 5.383	V 2.255	PTH 4 -69.679 116	AZ 5.116
PHOTO DAT	L GN	RANGE	AZS/C	AZN	AZSUN	AZA	Δ.	0/4	AZPHAZ	TNCD	PHAZ	ENIC	AI PHA	SCALE F	T-PT
	-19.787	859.25066	-28.6	6.3	-81.9	53.8	39.79735		-93.6		40.5		27.2	0.	0- 1
2 -12.097	-23.439	826.97034	-41.4	6.4	-81.7	48.6	39.30120		-90.2		47.6		16.0	113.31700	1- 2 2- 3
3 -9.582 4 -9.451	-26.295 -23.721	792.06699 807.49479	-38.5 -57.9	3.7 5.4	-80.8 -81.1	49.2 43.6	37.30342 38.19328		-85.6 -85.2		53.2 47.8		8.3 16.3		3- 4
5 -9.311	-20.974	835.13126	-67.3	7.1	-81.3	38.5	39.30000		-84.7		42.4	25.4	24.4	82.22849	4- 5
6 -12.033	-20.570	856.44000	-52.9	8.5	-82.3	43.5	40.50975		-90.2		42.2		24.4	83-34320 90.77049	5 · 6 6 - 7
7 -14.988 8 -14.958	-20.056 -23.088	892.50645 860.15868	-42.5 -31.4	10.3	-83.7 -82.5	40.1 53.1	42.03374		-95.? -95.2		42.5 47.9		23.1	88.73838	7- 8
9 -14.958	-25.901	841.87439	-16.9	4.9	-81.5	58.5	39.61711		-94.8	62.9	53.3	26.9	6.3	82.30874	8- 9
10 12.168	-26.116	810.47894	-23.8	4.2		54.1	38.33618				53.0		7.8	84.72940	9-10
11 -9.582 12 -7.612	-26.295 -28.818	792.06699 780.56401	-38.5 0.7	3.7 1.9		49.2 50.3	37.30342	0.987	-85.6 -82.2		53.2	2.8	8.3 0.3	78.52187	
13 -7.450	-26.429	785.19344	-69.5	3.3	-80.7		36.18575		-81.6		53.7		7.8	71.90741	12-13
14 -7.273	-23.925	800.14202	-79.4	4.7	-80.7	38.8	37.40515		-80.9		48.4		15.6	75.41325	
15 -7.074	-21.257	826.79554 867.09914	-82.9 -84.7	6.0	-80.6 -80.3	33.8	38.44560		-80.0 -79.0		43.1		23.5	80.39780 B7.45459	
16 -6.847 17 -9.158		877.09142	-72.6	7.3 8.7	-81.5	33.9	40.68962		-84.2		37.2		32.7	70.93815	
18 -11.980	-17.422	901.32099	-60.5	10.6	-83.0	38.8	42.04086	0.814	-90.3	70.8	36.8	36.9	32.9	87.04184	
19 -15.058		941.89004	-50.7	13.0	-85.0	43.4	43.76748		-96.3		37.2 38.2		31.8	95.66630	
20 -18.527	~15.714 ~19.378	946.87503	-43.0 -35.0	16.3	-87.6 -85.4	47.6 52.2	46.03377				43.3		20.3	105.56464	
22 -18.130		910.02081	-25.0	9.3	-83.7	57.2	42.43955	0.802	-100.1	66.5	48.6	38.1	11.8	93.91165	
23 -18.038		888.87263	-13.1	5.8	-82.1	62.5	41.23029	0.837	-99.4		53.8		3.5	86.31847	
24 -17.996 25 -14.983		881.00215 835.70855	0.1 0.1	2.4	-80.7 -80.4	68.L 64.3	40.28575		-98.7 -94.5		59.0 58.5		-4.5 -1.7	81.32154 91.30790	
26 -12.247		805.30346	0.1	2.1	-80.3	60.2	37.56549		-90.2		58.4		-0.i	82.91228	25-26
27 -9.707	-28.747	787.36188	0.2	2.0	-80.4	53.7	36.28426		-85.9			9.5	0.5	76.98960	26-27
28 -7.612	-28.818	780.56401	0.7	1.9	-80.6	50.3	34.76199	0.969	-82.2	59.2	58.9	2.8	0.3	63.49792	27-28
						TAB NO	132	ATL	AS PHOTO	NO	132		POD S	EQUENCE NO	270
JULY 31,1	964 13 HF	20 MIN 3	2EC 268	M2											
TRAJECTO	RY DATA				SEC TO 345.		ALT 769.0921	LA!		ON •753	250	R )4.547	v 2.259	PTH -69.621 11	AZ 6.104
PHOTO DA	TA									TAIC D	PHAZ		41 Du 4	SCALE	PT-PT
PT LAT	LON	RANGE 847.40094	AZS/C -28.7	AZN 6.3	AZSUN -81.9	AZA 53.6	A+ 39.25557	B/A 0.898	-93.6		40.5			O.	0- 1
		815.75313	-41.5	6.4	-81.7	48.5	38.76811	0.917	-90.2	65.0	47.6	23.6	16.1.	111.41734	1- 2
3 -9.599		781.23917	-38.7	3.7	-80.8	49.1	36.79348		-85.6		53.2		8.3	112.56942	2- 3 3- 4
	-23.671 -20.960	796.54312 823.84781	-57.9 -67.3	5.4 7.1	-81.1 -81.3	43.5 38.5	37.67524 38.76897		-85.2 -84.7		47.8		16.3 24.4	75.95113 81.12941	4-5
6 -12 -017			-53.0	8.5	-82.4	43.5	39.96221		-90.2		42.2		24.4	82.21542	5- 6
7 -14.931	-20.056	880.36246	-42.6	10.3	-83.7	48.0	41.46181		-95.7		42.5		23.1	89.50800	6- 7 7- 8
8 -14.901 9 -14.900		848.42528 830.30093	-31.5 -17.1	7.6	-82.6 -81.5	52.9 58.3	40.12881		-95.2 -94.8		47.9 53.3		14.6	87.54015 81.20152	7- 8 8- 9
10 -12.150		799.397.00	-24.0	4.3	-81.1		37.81202				53.0		7.9	83.54491	9-10
11 -9.599	-26.211	781.23917	-38.7	3.7	-80.8	49-1	36.79348	0.986	-85.6	61.9	53.2	12.2	8.3	77.44753	10-11
12 -7.655		769.74160	-1.6	1.9	-80.6	50.1	34.28129				58.9 53.7	2.8	0.4 7.9	94.97026 70.92346	
13 -7.496 14 -7.320		774.42564 789.25285	-69.4 -79.3	3.3 4.7			36.89596				48.4		15.6	74.39932	
15 -7.124	-21.240	815.58541	-82.8	6.0	-80.6	33.9	37.92415	0.936	-80.0	66.6	43.1	23.5	23.5	79.31913	
16 -6.900		855.32608	-84.6	7.3		29.4	39.20562		-79.0		38.0		31.5	86.26033 69.98193	
17 -9.181 18 -11.964		865.22202 889.10675	-72.6 -60.5	8.7		34.0 38.8	40.13900		-84.2 -90.3		37.2		32.7 32.9	85.85817	
19 -15.000		929-01284	-50.7	13.0		43.3	43.16924			71.7	37.2	42.0	31.8	94.31687	18-19
20 -18.417		989.38820	-43.1	16.1		47.5	45.39152				38.2		29.3	107.20757	
21 -18.179		933.78737 897.43884	-35.1 -25.1	12.7		52.1	43.38594				43.3		20.3	104.03004 92.61458	
23 -17.935		876.49828	-13.3	5.8			40.65614		-99.4	63.8	53.8	35.0	3.6	85.14173	22-23
24 -17.892											FD 0	33.8	-4.4	80.19694	23-24
	-28.340	868.58898	-0.1	2.4			39.71803								
25 -14.924	-28.340 -28.448	824.08093	-0.2	2.2	-80.5	64.0	38.23335	0.923	-94.4	60.5	58.5	25.5	-1.6	89.95414	24-25
	-28.340 -28.448 -28.543		-0.1 -0.2 -0.3 -0.5		-80.5 -80.4 -80.4			0.923	-94.4 -90.2	60.5		25.5 17.4 9.5	-1.6 0.0 0.6	89.95414 81.73819 75.92296	24-25 25-26 26-27
25 -14.924 26 -12.227	-28.340 -28.448 -28.543 -28.629	824.08093 794.16199	-0.2 -0.3	2.2 2.1	-80.5 -80.4 -80.4	64.0 59.9	38.23335 37.04584	0.923 0.971 0.992	-94.4 -90.2 -85.9	60.5 60.0 59.6	58.5 58.4	25.5 17.4 9.5	-1.6 0.0	89.95414 81.73819	24-25 25-26 26-27

JULY 31,19	164 13 HR	20 MIN 8	SEC 388	. MS		TAB NO	133	ATL	AS PHOT	O NO	133		POD S	SEQUENCE N	0 272
TRAJECTOR					SEC TO	IMPACT	ALT	LA	т ,	.CN		R	v	PTH	AZ
PHOTO DAT						412	758.2428				24			-69.563 1	
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A+	B/A	AZPHAZ	LNCD	PHA7	FMIS	AI PHA	SCALE	PT~PT
		835.53405		6.3	-82.0	53.4	38.71278	0.898	-93.6	68.3	40.6	30.1	27.1	0.	0- 1
2 -12.062 3 -9.615	-23.347 -26.126	804.51357 770.39382	-41.7 -39.0	6.4	-81.7		38.23396				47.6	23.6	16.1	109.53235	1- 2
4 -9.488	-23.622	785.56973	-58.0	3.7 5.4	-80.8 -81.1		36.28271 37.15618				53.2	12.2		111.03757	
5 -9.351	-20.947	812.53891	-67.3	7.1	-81.3		38.23675					25.5	16.3 24.4	74.91752 80.02703	
6 -12.001	-20.555	833.26107	-53.0	8.5	-82.4	43.4	39.41344		-90.2	67.7		29.7	24.4	81.08507	
7 -14.873	-20.057	868-19285	-42.6	10.3	-83.7		40.88867			68.5		35.5	23.1	88.24364	6- 7
8 -14.843 9 -14.842	-23.006	836.67014 818.71049	-31.6 -17.3	7.6 4.9	-82.6		39.57278					30.3	14.7	86.33844	
10 -12.131	-25.951	788.29713	-24.2	4.3	-81.6 -81.1		38.52698 37.28701				53.3		6-5	80-09160 82-35920	
11 -9.615	-26.126	770.39382	-39.0	3.7	-80.8		36.28271					12.2	8.0 8.4	76.37159	
12 -7.699	-28.582	758.90737	-3.8	1.9	-80.6	49.9	33.80018	0.969	-82.2		58.9		0.5	93.66066	
	-26.257	763.64142	-69.3	3.4	-80.7		35.20803					8.2	8.0	69.93809	
	-23.820 -21.224	778.34319 804.35127	-79.2 -82.7	4.7	-80.7		36.38582			64-1	48.4	15.7	15.7	73.38299	
	-18.403	843.52610	-84.5	6.1 7.3	-80.5 -80.3		37.40161 38.66462							78.23737	
	-18.031	853.32408	-72.5	8.7		34.1	39.58705			69.9		33.2	31.4	85.06270 69.02337	
	-17.493	876.86318	-60.5	10.6		38.9	40.90029	0.815	-90.3	70.7	36.9	36.8	32.9	84-67174	
	-16.794	916.10752	-50.8	12.9	-85.0	43.3	42.56969	0.761	-96.3	71.7	37.2	41.9	31.7	92.96563	18-19
20 -18.307	-15.852 10.405	975.36617	-43.1	16.0	-87.5		44.74825	0.690	-102.2	72.9	38.2	48.2	29.2	105.55103	
21 -10.074	-22.571	884.83831	-35.1 -25.2	12.6	~85.5 ~83.0	52.0	42.77674	0.755	-101.1	69.6	43.3	42.4	20.3	102.49366	
23 -17.832	-25.482	864.11031	-13.4	5.8	-82.3		40.08138	0.830	-100.1	47.0	48.0	37.9	11.9 5.7	91.31452	
24 -17.788	-28.224	856.16856	-0.3	2.4		67.4	39.14999	0.862	-98.7	61.3	59.0	33.7	-4.2	79.07104	
25 -14.865	-28.331	812.44194	-0.4	2.2	-80.6	63.7	37.69337	0.923	-94.4			25.4	-1.4	88.60187	
26 -12.206	-28.426	783.00776	-0.6	2 - 1		59.6	36.52559				58.4		0.1	80.56346	25-26
27 -9.737 28 -7.699	-28.512	765.57590 .758.90737	-1.2 -3.8	2.0		53.2	35.28325				58.5		0.7	74.85544	
LU 1 1027	-20.302	.130.20131	-2.0	7.4	-80.6	47.7	33.80018	0.969		54.4	58.9	2.9	0.5	61.74466	27-28
														02111100	
JULY 31,19	64 13 HR	20 MIN 13	SEC 508	MS	•	TAB NO			AS PHOTO			247		EQUENCE NO	
JULY 31,19		20 MIN 13	SEC 508		SEC TO	IMPACT	134 ALT	ATL.	AS PHOTO	.ON	134	R	POD S	EQUENCE NO	274 AZ
TRAJECTOR	Y DATA	20 MIN 13	SEC 508			IMPACT	134	ATL.	AS PHOTO	.ON	134	R	POD S	EQUENCE NO	274 AZ
TRAJECTOR PHOTO DAT PT LAT	Y DATA Å LON	RANGE	AZS/C	AZN	SEC TO 335.	IMPACT 292 AZA	134 ALT 757+37943	ATLI LAI B/A	AS PHOTO  T L  870 -28	O NO .ON 1.585 INCD	134 24: PHAZ	R 82.835 EMIS	POD S V 2.267 ALPHA	PTH -69.504.1	AZ 16.080
TRAJECTOR PHOTO DAT PT LAT 1 -10.981	Y DATA Å LON -19.839	RANGE 823.64948	AZS/C -29.0	AZN 6.3	SEC TO 335. AZSUN -82.0	IMPACT 292 AZA 53.2	ALT 747-37943 A* 38.16909	ATL LA 3 -6.1 8/A 0.898	AS PHOTO  T L  870 -28  AZPHAZ  -93.6	.ON 1.585 1NCD 68.3	24: PHAZ 40.6	R 82.835 EMIS 30.1	POD S 2.267 ALPHA 27.0	PTH -69.504.1 SCALE	AZ 16.080 PI-PI 0- 1
TRAJECTOR  PHOTO DAT  PT LAT  1 -10.981  2 -12.044	Y DATA A LON -19.839 -23.300	RANGE 823.64948 793.25421	AZS/C -29.0 -41.8	AZN 6.3 6.4	SEC TO 335. AZSUN -82.0 -81.8	IMPACT .292 AZA 53.2 48.2	ALT 747.37943 A• 38.16909 37.69886	ATL LA 3 -6.1 8/A 0.898 0.916	AS PHOTO  T L  870 -28  AZPHAZ -93.6 -90.2	.ON 1.585 INCD 68.3 65.1	24: PHAZ 40.6 47.6	R 82.835 EMIS 30.1 23.6	POD S 2.267 ALPHA 27.0 16.1	PTH -69.504.1 SCALE 0. 107.65104	AZ 16.080 PI-PI 0-1 1-2
TRAJECTOR PHOTO DAT PT LAT 1 -10.981	Y DATA A LON -19.839 -23.300	RANGE 823.64948 793.25421 759.53188	AZS/C -29.0 -41.8 -39.2	AZN 6.3 6.4 3.8	SEC TO 335. AZSUN -82.0 -81.8 -80.8	IMPACT 292 AZA 53.2 48.2 48.8	ALT 747.37943 A. 38.16909 37.69886 35.77116	ATL LA 3 -6.1 8/A 0.898 0.916 0.986	AS PHOTO  T L  870 -28  AZPHAZ  -93.6  -90.2  -85.6	.ON 1.585 1NCD 68.3 65.1 62.1	24: PHAZ 40.6 47.6 53.2	R 82.835 EMIS 30.1 23.6 12.3	POD S 2.267 ALPHA 27.0 16.1 8.5	PTH -69.504.1 SCALE 0. 107.65104 109.50250	AZ 16.080 PI-PI 0-1 1-2 2-3
TRAJECTOR  PHOTO DAT  PT LAT  1 -10.981 2 -12.044 3 -9.632 4 -9.506 5 -9.372	Y DATA  LON -19.839 -23.300 -26.042 -23.572 -20.934	RANGE 823.64948 793.25421	AZS/C -29.0 -41.8	AZN 6.3 6.4	SEC TO 335. AZSUN -82.0 -81.8	IMPACT .292 AZA 53.2 48.2	ALT 747.37943 A• 38.16909 37.69886	ATL LA 8/A 0.898 0.916 0.986 0.954	AS PHOTO  T L  870 -28  AZPHAZ  -93.6  -90.2  -85.6  -85.2	.ON 1.585 1NCD 68.3 65.1 62.1	24: PHAZ 40.6 47.6 53.2 47.8	R 82.835 EMIS 30.1 23.6 12.3 18.3	POD S 2.267 ALPHA 27.0 16.1 8.5 16.4	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182	AZ 16.080 PI-PT 0-1 1-2 2-3 3-4
TRAJECTOR  PHOTO DAT  PT LAT  1 -10.981 2 -12.044 3 -9.632 4 -9.506 5 -9.372 6 -11.984	Y DATA A LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.547	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1	AZN 6.3 6.4 3.8 5.4 7.1 8.5	SEC TO 335. AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.4	IMPACT 292 AZA 53.2 48.2 48.8 43.4 38.6 43.4	ALT 747.37943 A. 88.16909 37.69886 35.77116 36.63620 37.70353 38.86363	ATL 8/A 0.898 0.916 0.954 0.951 0.873	AS PHOTO  T L  870 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7	INCD 68.3 65.1 62.1 64.5 67.1 67.7	24: PHAZ 40.6 47.6 53.2 47.8 42.5 42.5	R 82.835 EMIS 30.1 23.6 12.3 18.3 25.5	POD S 2.267 ALPHA 27.0 16.1 8.5	PTH -69.504.1 SCALE 0. 107.65104 109.50250	AZ 16.080 PI-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTOR  PHOTO GAT  PT LAT  1 -10.981 2 -12.044 3 -9.632 -4 -9.506 5 -9.372 6 -11.984 7 -14.816	Y DATA  LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.547 -20.58	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 856.00268	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7	AZN 6.3 6.4 3.8 5.4 7.1 8.5	SEC TO 335. AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.4 -83.7	IMPACT 292 AZA 53.2 48.2 48.8 43.4 43.4 47.8	ALT 747.37943 Ae 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457	8/A 0.898 0.916 0.996 0.954 0.911 0.873	AS PHOTO  T L  870 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7	ONO 1.585 INCD 68.3 65.1 62.1 64.5 67.1 67.7 68.5	24: PHAZ 40.6 47.6 53.2 42.5 42.5 42.5	R 82.835 EMIS 30.1 23.6 12.3 18.3 29.7	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 24.4 24.4	PTH -69.504_1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 79.95272 86.97787	AZ 16.080 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6-7
TRAJECTOR  PHOTO DAT  PT LAT  1 -10.981  2 -12.044  3 -9.632  4 -9.506  5 -9.372  6 -11.984  7 -14.818  8 -14.786	Y DATA  LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.547 -20.558 -22.965	RANGE 823.64948 793.25421 759.53188 774.5770 801.20879 821.63676 856.00268 824.89609	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7	AZN 6.3 6.4 3.8 5.4 7.1 8.5 10.2 7.6	SEC TO 335. AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.4 -83.7	IMPACT .292 AZA 53.2 48.8 43.4 38.6 43.4 52.6	ALT 7.67.37943 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457 39.01585	ATL/ 8/A 0.898 0.916 0.986 0.954 0.911 0.873 0.822 0.867	AS PHOTO  T L  870 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7	ONO 1.585 INCD 68.3 65.1 62.1 64.5 67.7 68.5 65.7	24: PHAZ 40.6 47.6 53.2 47.8 42.5 42.5 47.9	R 82.635 EMIS 30.1 12.3 18.3 25.5 29.7 35.5	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 24.4 24.4 23.1 14.7	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 79.95272 86.97787 85.13441	AZ 16.080 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTOR  PHOTO GAT  PT LAT  1 -10.981 2 -12.044 3 -9.632 -4 -9.506 5 -9.372 6 -11.984 7 -14.816	Y DATA  LUN -19.839 -23.300 -26.042 -23.572 -20.934 -20.547 -20.058 -22.965 -25.661	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 856.00268 824.89609 807.10404	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5	AZN 6.3 6.4 3.8 5.4 7.1 8.5 10.2 7.6	SEC TO 335. AZSUN -82.0 -81.8 -80.8 -81.3 -82.4 -83.7 -83.7 -83.6	IMPACT .292 AZA 53.2 48.2 48.8 43.4 38.6 43.4 47.8 52.6 57.8	ALT 747-37942 A• 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457 39.01585 37.98077	8/A 0.898 0.996 0.954 0.911 0.873 0.822 0.867	AS PHOTO  T L  870 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2	ONO .ON 1.585 INCD 68.3 65.1 62.1 64.5 67.1 67.7 68.5 65.7 63.2	24 PHAZ 40.6 47.6 53.2 47.8 42.5 42.5 47.9 53.3	R 82.635 EMIS 30.1 12.3 18.3 25.5 29.7 35.5 29.7 30.3	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 24.4 24.4 23.1 14.7 6.6	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 79.95272 86.97787 85.13441 78.97950	AZ 16.080 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.784 10 -12.112 11 -9.632	Y DATA  LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.547 -20.547 -20.5661 -25.661 -25.869 -26.042	RANGE 823.64948 793.25421 759.53188 774.51706 801.20879 821.63676 824.89609 807.10404 777.18031 759.53188	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5	AZN 6.3 6.4 3.8 5.4 7.1 8.5 10.2 7.6	SEC TO 335. AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.4 -83.7	IMPACY 292 AZA 53.2 48.2 48.8 43.4 47.8 52.6 57.8 53.5	ALT 7.67.37943 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457 39.01585	ATL/ 8/A 0.898 0.916 0.954 0.951 0.873 0.822 0.867 0.901	AS PHOTO  T L  B70 -28  AZPHAZ -93.6 -90.2 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8	INCD 68-3 65-1 62-1 67-7 68-5 67-1 63-2 62-6	24: PHAZ 40.6 47.6 53.2 47.8 42.5 42.2 42.5 53.3	R 82.835 EMIS 30.1 23.6 12.3 18.3 25.5 29.7 35.5 30.3 26.8	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 24.4 23.1 14.7 6.6 8.1	PTH -69.504.1  SCALE 07.65104 109.50250 73.88182 78.92221 79.95272 86.97787 85.13441 78.97950	AZ 16.080 PT-PT 0-1 1-22-3 3-4 4-5 5-6-7 7-8 8-9 9-10
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 -4 -9.506 5 -9.377 6 -11.984 7 -14.816 8 -14.786 9 -14.784 10 -12.112 11 -9.632 12 -7.743	Y DATA  A LON - 19-839 - 23.300 - 26.042 - 23.572 - 20.934 - 20.547 - 20.058 - 22.965 - 25.869 - 25.869 - 26.042 - 28.463	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 824.89609 807.10404 777.18031 759.53188	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5 -39.2	AZN 6.3 6.4 3.8 5.4 7.1 8.5 10.2 7.6 4.9	SEC TO 335.  AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.4 -83.7 -82.6 -81.6 -81.6 -81.8 -80.8 -80.8 -80.8	IMPACT 292 AZA 53.2 48.2 48.8 43.4 47.6 57.8 53.5 48.8	ALT 747.37943 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457 39.01585 37.98077 36.76119	ATL/ 8/A 0.898 0.916 0.986 0.954 0.911 0.873 0.822 0.867 0.901 0.949 0.949	T LE RTO - 26 AZPHAL - 93.6 - 85.6 - 85.6 - 84.7 - 90.2 - 94.8 - 90.2 - 95.7 - 90.2 - 94.8 - 90.2 - 95.7 - 90.2 - 95.8 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 85.6 - 90.2 - 90.2 - 95.6 - 90.2 - 90.2 - 95.6 - 90.2 - 90.2 - 90.2 - 95.6 - 90.2 -	INCD 68-3 65-1 62-15 67-7 68-5 67-1 67-7 68-5 65-7 63-2 62-6 62-15 99-5	24: PHAZ 40.6 53.2 47.8 42.5 42.5 47.9 53.3 53.1 53.2 58.9	R 82.835 EMIS 30.1 23.6 12.3 25.5 29.7 35.5 29.7 30.3 26.8 19.1 12.3	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 24.4 24.4 23.1 14.7 6.6	PTH -69.504_1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 86.97787 85.13441 78.97950 81.17242 75.29395	AZ 16.080 PT-PT 0~ 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10-11
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.784 10 -12.112 11 -9.632 12 -7.743	Y DATA  A LON - 19.839 - 23.300 - 26.042 - 23.572 - 20.934 - 20.547 - 20.547 - 22.965 - 25.661 - 25.869 - 26.042 - 28.463 - 26.172	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 856.00268 824.98609 807.10404 777.18031 759.53188 748.06085 752.84158	AZS/C -29-0 -41-8 -39-2 -58-0 -67-3 -53-1 -42-7 -31-8 -17-5 -24-5 -39-2 -59-2	AZN 6.3 6.4 3.8 5.4 7.1 8.5 10.2 7.6 4.9 4.3 3.8 2.0	SEC TO 335.  AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.6 -81.6 -81.6 -81.6 -81.6 -80.8	IMPACT .292 AZA 53.2 48.2 48.4 38.6 43.4 52.6 53.5 48.8 47.8 52.6 53.5	ALT 747.3794: 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457 39.01585 37.98077 36.76119 35.77116 33.31863 34.71785	8/A 0.898 0.986 0.951 0.873 0.822 0.867 0.949 0.986 0.986 0.986 0.998	AS PHOTO  T LE  870 - 26  AZPHAZ -93.6 -90.2 -85.6 -90.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -82.2	INCD 68-3 65-1 62-1 64-5 67-7 68-5 65-7 68-5 62-1 59-5	24 PHAZ 40.6 47.6 53.2 42.5 42.5 42.5 43.3 53.1 53.2 53.2 53.7	R 82.835 EMIS 30.1 12.3 18.3 25.7 35.5 30.3 19.1 12.3 2.3	POD S V 2.267 ALPHA 27.01 8.5 16.4 24.4 23.1 14.6 8.1 8.5 0.6 8.1	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 86.97787 85.13441 78.97950 81.17242 75.29395 92.34899 968.95144	AZ 16.080 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 -4 -9.506 5 -9.372 6 -11.986 7 -14.816 8 -14.786 9 -14.784 10 -12.112 11 -9.632 12 -7.743 13 -7.588	Y DATA  A LON -19-839 -23-300 -26-042 -23-572 -20-934 -20.547 -20.058 -22-965 -25-869 -25-861 -25-863 -26-172 -23-768	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 824.03679 824.03609 807.10404 777.18031 759.53188 748.06085 752.84158	AZS/C -29.0 -41.8 -39.0 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -29.5 -5.9 -5.9	AZN 6.3 6.4 3.8 7.1 8.5 10.2 7.6 9 4.3 3.8 2.0 4.8	SEC TO 335.  AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.4 -83.6 -81.6 -80.8 -80.6 -80.6 -80.6 -80.6 -80.6	IMPACT 292 AZA2 538-2 48-8 43-4 47-8 657-8 53-8 49-7 45-3 8-8	134 ALT 747.37943 38.16909 37.67916 36.63620 37.70353 38.86363 40.31457 39.01585 39.01585 37.7116 35.77116 33.31863 34.71785 35.87484	ATL  1A  0.848  0.916 0.954 0.911 0.873 0.822 0.867 0.901 0.949 0.990 0.990 0.999	AS PHOTO  T L  870 -28  AZPHAZ -93.6 -90.2 -85.2 -85.7 -90.2 -95.7 -90.2 -94.8 -90.2 -85.8 -90.2 -81.6 -81.6	INCD 68-3 65-1 62-1 64-5 67-1 67-7 68-5 65-7 63-2 62-6 62-1 59-5 61-8	24: PHAZ 40.6 47.6 53.2 47.8 42.5 42.5 47.9 53.3 53.1 53.2 58.9 748.4	R 82.835 EMIS 30.1 23.6 18.3 25.7 35.5 30.3 26.8 112.3 2.9 8.3 15.7	POD S V 2 .267 ALPHA 27.0 16.1 8.5 16.4 24.4 24.4 24.4 114.7 6.6 8.1 14.7 0.6 8.1	PTH -69.504.1  SCALE 0. 107.65104 109.50250 73.88182 78.92221 79.95272 78.97250 86.97787 85.13441 78.97950 81.17242 75.29399 68.95144 72.36471	AZ 16.080 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 4 -9.632 6 -11.984 7 -14.816 8 -14.786 9 -14.786 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226	Y DATA  LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.547 -20.547 -25.661 -25.661 -25.661 -25.462 -26.042 -26.172 -23.768	RANGE 823-64948 793-25421 759-53188 774-57706 801-20879 821-63676 856-00268 824-89609 807-10404 771-18031 759-53188 748-06085 752-84158 767-41542 793-09719	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5 -39.2 -5.99.2 -69.2 -79.0	AZN 6.3 6.4 7.1 8.5 10.2 7.6 4.9 4.3 8 2.0 3.4 4.8 6.1	SEC TO 335.  AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.6 -81.1 -80.8 -81.0 -80.6 -80.6 -80.6	IMPACT .292 AZA 53.2 48.8 43.4 38.4 47.8 52.6 57.8 57.8 57.8 57.8 38.6 49.7 45.3 38.8	134 ALT 747.3794: 38.16909 37.69886 35.77116 36.63620 37.70353 8.86363 40.31457 39.01585 37.98077 36.76119 35.77116 33.31863 34.71785 35.87484 36.87814	8/A 0.898 0.916 0.986 0.954 0.951 0.873 0.822 0.867 0.901 0.949 0.969 0.969 0.969	AS PHOTO T 1870 -26 AZPHAZ -93.6 -90.2 -85.6 -85.2 -94.7 -90.2 -95.7 -90.2 -95.8 -90.2 -95.8 -90.2 -81.6 -80.9	DNO 1.585 1NCD 68-3 65-1 62-1 64-5 67-7 68-5 65-7 63-2 62-6 62-1 59-5 61-8 64-1	24: PHAZ 40.6 47.6 53.2 47.8 42.5 47.9 53.3 53.1 58.9 53.7 48.4	R 82.835 82.835 82.15 30.16 12.3 18.3 25.5 29.7 35.3 26.8 19.1 2.9 8.3 12.3 8.3 12.5	POD S V 2.267 ALPHA 27.01 8.5 16.4 24.4 23.1 6.6 8.1 14.5 0.6 8.1 15.7	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 79.9227 86.97787 85.13441 78.97950 92.34899 92.34899 92.34899 92.34899 968.95144 77.155336	AZ 16.080 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
TRAJECTOR PHOTO DAI PT LAT 1 -10.981 2 -12.044 3 -9.520 4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.786 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008	Y DATA  LON -19.83-9 -23.300 -26.042 -23.59 -20.934 -20.547 -20.548 -22.965 -25.869 -26.042 -28.463 -26.172 -23.768 -21.207 -18.426 -18.059	RANGE 823.64948 793.25421 774.57706 801.20879 821.63676 856.00268 824.89609 807.10404 777.18031 759.53188 748.06085 752.84158 767.41542 793.09719 831.70545	AZS/C -29.0 -41.8 -39.0 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -29.5 -5.9 -5.9	AZN 6.3 6.4 3.8 7.1 8.5 10.2 7.6 9 4.3 3.8 2.0 4.8	SEC TO 335.  AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.4 -83.6 -81.6 -80.8 -80.6 -80.6 -80.6 -80.6 -80.6	IMPACT .292 AZA 53.2 48.8 43.4 38.4 47.8 52.6 57.8 57.8 57.8 57.8 38.6 49.7 45.3 38.8	134 ALT 747.37942 38.16909 37.69886 35.77116 36.63620 37.7035 38.86363 34.31457 39.01585 37.98077 36.76119 35.77116 35.77116 35.77116 35.77116 36.76119 35.87484 36.87814 36.87814 36.87814 36.87814	ATL  1AA  0.898 0.916 0.987 0.987 0.873 0.822 0.867 0.901 0.978 0.949 0.986 0.969 0.978 0.935	T	INCD 68-3 65-1 62-1 64-5 67-7 68-5 65-7 68-5 65-7 63-2 62-6 62-1 59-5 61-8 64-1 66-7	24: PHAZ 40.6 47.6 53.2 47.8 42.5 42.5 47.9 53.3 53.1 53.2 58.9 53.7 48.4 43.1	R 82.835 EMIS 1 23.6 12.3 25.5 25.5 29.7 30.3 26.8 1 12.3 2.93 15.7 23.5	POD S V 2.267 ALPHA 27.0 16.1 16.4 24.4 24.4 24.4 114.7 6.6 8.5 0.6 115.7 23.5 23.5	PTH -69.504.1  SCALE 0. 107.65104 109.50250 73.88182 78.92221 79.95272 86.9778 85.13441 78.97950 81.17242 75.29395 92.34899 68.95144 72.36471 77.15336	AZ 16.080 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 -4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.784 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008 17 -9.226 18 -11.933	Y DATA  LON 19.839 23.300 26.042 23.572 20.934 20.586 22.965 25.661 25.869 26.172 23.768 21.272 23.768 21.276 18.426 18.059 17.530	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 824.69609 807.10404 777.18031 759.53188 748.06085 752.84158 767.41542 793.09719 841.40415 841.40415	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5 -39.2 -59.2 -79.0 -82.6 -84.4 -72.5 -60.5	AZN 6.3 6.4 3.8 5.4 7.5 10.2 4.9 4.3 3.4 4.8 4.8 7.1 7.5	SEC TO 335.  AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -82.4 -81.6 -81.6 -80.8 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.3 -81.4 -83.4	1MPACT 1.292 AZA 538.2 48.8 43.4 43.4 577.6 577.6 48.8 49.7 38.8 129.7 34.1 38.8	134 ALT 747.37942 38.16909 37.69886 35.77116 36.63620 37.7035 38.86363 34.31457 39.01585 37.98077 36.76119 35.77116 35.87484 36.87814 81.2267 39.03408 40.32829	ATL  1AA  0.898 0.916 0.986 0.954 0.911 0.873 0.822 0.867 0.901 0.949 0.949 0.969 0.968 0.968 0.968 0.968 0.968 0.968 0.968 0.968 0.968 0.968 0.968	AS PHOTO  T	O NO ON 1.585 INCD 68.3 65.1 64.5 67.1 67.7 68.5 65.7 63.2 62.6 62.1 59.5 61.8 64.1 66.7 69.4 69.9 70.7	24: PHAZ 47.6 53.2 47.8 42.5 42.5 42.5 53.1 53.1 53.9 53.3 43.1 38.0 37.2	R 82.835 82.835 EMIS 1 230.6 112.3 25.5 235.5 235.5 24.3 112.3 25.7 26.3 112.3 27.7 27.3	POD S V 2.267 ALPHA 27.01 8.5 16.4 24.4 23.1 6.6 8.1 14.5 0.6 8.1 15.7	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 79.95272 86.97787 85.13441 78.97950 81.1722 75.29395 68.95144 72.36471 77.15936 83.86308	AZ 16.080 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTOR PHOTO DAI PT LAT 1 -10.981 2 -12.044 3 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.786 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.028 17 -9.226 18 -11.933 19 -14.882	Y DATA  A LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.5661 -25.669 -26.042 -28.463 -26.172 -23.762 -21.207 -18.426 -11.207 -18.426 -11.330	RANGE 823-64948 793-25421 759-53188 774-57706 801-20879 821-63676 824-89609 807-10404 777-18031 759-53188 748-06085 752-84158 748-06085 752-84158 767-41542 793-09719 884-59740 903-18207	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5 -39.2 -59.9 -69.2 -79.0 -82.6 -84.4 -72.5 -60.5	AZN 6.3 6.4 3.8 5.4 7.1 8.5 10.2 7.6 4.9 3.8 2.0 4.8 6.1 7.1 10.2 10.2	SEC TO 335. AZSUN - 82.0 -81.0 -81.3 -81.3 -82.6 -81.1 -80.6 -80.6 -80.6 -80.6 -80.5 -80.5 -81.4 -83.7	1MPACT 292 AZA 48.2 48.4 38.6 43.4 52.6 57.8 57.8 53.5 49.7 45.3 834.1 234.1 234.1 234.1 234.1	34.4 38.16909 37.69886 36.63620 37.7035 38.86363 40.31457 36.76119 35.77116 36.76119 35.77116 36.76119 35.77118 36.87814 36.87814 38.12267 38.03408 40.32829 40.32829 40.32829 40.4084919	### ATL  ### ### ### ### ### #### #### ########	AS PHOTO  I L  870 - 28  AZPHAZ - 93.6 - 90.2 - 85.2 - 85.7 - 90.2 - 95.7 - 90.2 - 85.6 - 80.9 - 80.9 - 80.9 - 80.9 - 80.9 - 80.9 - 80.9	O NO ON 1.585 INCD 68-3 65-1 62-1 64-5 67-7 68-5 65-7 63-2 62-6 62-1 59-5 61-8 64-1 69-9 70-7 71-6	134 24- 40.6 47.6 53.2 47.8 42.5 42.5 42.5 43.3 53.1 53.2 53.3 48.4 43.1 37.2 36.9 37.2	R 82.835 EMIS 123.63 123.63 125.57 235.57 245.83 26.81 12.93 15.55 26.81 12.93 15.55 26.81 27.93 15.55 26.81	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 24.4 23.1 14.7 6.6 8.1 15.7 23.5 31.4 32.6 32.8	PTH -69.504_1 SCALE 0. 107.65104 109.50250 73.88182 79.95272 86.97787 85.13441 78.97950 81.1724 75.29395 92.34899 68.95144 77.15336 83.86308 83.48330 81.61355	AZ 16.080 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.784 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008 17 -9.226 18 -11.933 19 -14.882 20 -18.197	Y DATA  LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.547 -20.058 -22.965 -25.661 -25.869 -26.042 -28.463 -26.172 -23.768 -21.207 -18.426 -18.636 -16.843	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 856.00268 824.89609 877.10404 777.18031 759.53188 748.06085 752.84158 767.41542 931.70545 841.40415 841.40415 864.59740 903.18207 9061.33137	AZS/C -29.0 -41.8 -67.3 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5 -39.2 -5.9 -69.2 -70.0 -82.6 -84.4 -72.5 -60.5 -60.5	AZN 6.3 6.4 3.8 5.4 7.1 8.5 10.2 7.6 4.9 4.3 8.7 10.5 12.9	SEC TO 3355 AZSUN -82-80 -81-8 -81-1 -81-3 -81-6 -81-6 -81-6 -81-6 -80-6	IMPACT 292 A3.2 48.8 43.8 43.8 43.8 45.8 45.8 45.8 45.8 45.8 45.8 45.8 45	134 ALT 747.3794: 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457 39.01585 37.98077 35.77116 33.31863 34.71785 35.87484 36.87814 36.87814 39.03408 40.32829 41.96919 44.10439	### ATL  ### 14	AS PHOTO  T	O NO ON 1.585 INCD 68-3 65-1 62-1 64-5 67-7 68-5 65-7 68-5 65-7 63-2 62-6 62-1 66-7 69-9 70-7 71-6	24. PHAC. 647.6 653.2 42.5 42.5 42.5 53.1 53.1 53.1 53.1 53.1 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0	R 82.835 EMIS 1 630.63 123.63 125.57 325.53 325.53 112.39 112.39 112.39 112.39 112.39 112.39 112.39 112.39 112.39 112.39 112.39	POD S V 2 . 26 7 AL PHA 27.0 1 6.5 1 6.4 4 24.4 1 14.7 6.6 1 8.5 0.6 8.1 1 5.7 5 31.4 32.8 31.7 29.1	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 86.97787 85.13441 78.97950 81.17242 75.29395 92.34899 68.95144 77.15936 83.86308 68.06286 83.48330 91.61355	AZ 16.080 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17-18 18-19
TRAJECTOR PHOTO DAI PT LAT 1 -10.981 2 -12.044 3 -9.652 4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.786 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008 17 -9.226 18 -11.933 19 -14.882 20 -18.197	Y DATA  A LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.5661 -25.669 -26.042 -28.463 -26.172 -23.768 -21.207 -18.426 -11.059 -17.530 -16.843 -15.921	RANGE 823.64948 793.25421 774.57706 801.20879 821.63676 824.89609 807.10404 777.18031 759.53188 748.06085 752.84158 767.41542 793.09719 831.70545 841.40415 864.59740 903.18207 901.33137 907.55234	AZS/C -29.0 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5 -39.9 -69.2 -79.0 -82.6 -84.4 -72.5 -50.8 -43.2	AZN 6.3 6.4 3.4 7.1 8.5 2 7.6 4.3 3.8 2.4 4.8 6.1 7.3 8.7 10.5 12.9 15.5	SEC TO 335.  AZSUN -81.8 -80.8 -81.3 -81.6 -81.6 -81.6 -81.6 -81.6 -81.1	1MPACT 292 A32 A2 A34	134 ALT 747.37943 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457 39.01585 37.98077 36.76119 35.7711863 34.71785 35.87484 36.87814 36.87814 36.87814 40.32829 40.32829 44.10439 44.10439 42.16681	### ATL  ### ### ### #### #### ##############	AS PHOTO  I L  870 - 28  AZPHAZ - 93.6  -90.2  -85.6  -85.2  -95.7  -90.2  -84.7  -90.2  -84.6  -80.9  -80.9  -80.1  -79.0  -84.2  -90.3  -90.3  -102.2	O NO ON 1.585 INCD 68.3 65.1 64.5 67.7 68.5 65.7 63.2 62.6 62.1 59.5 64.1 66.7 70.7	134 24: PHAZ 40.6 47.6 53.2 42.5 42.5 53.1 53.2 53.2 53.2 53.2 38.0 37.2 38.2 38.2 38.3	R 82 . 8 3 5 R 1 S 1 S 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	POD S 2.267 AL PHA 27.01 8.5 16.4 24.4 24.4 23.1 14.7 6.6 8.1 9.6 8.1 15.7 23.5 32.6 32.6 32.6 32.6 32.6 32.6 32.7 29.1	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.99221 78.995272 86.97787 85.13441 78.97950 81.17242 75.29395 92.34899 68.95144 72.36471 77.15336 83.86308 83.48330 91.61355 103.89793	AZ 16.080 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTOR PHOTO DAI PT LAT 1 -10.981 2 -12.044 3 -9.652 4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.786 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008 17 -9.226 18 -11.933 19 -14.882 20 -18.197	Y DATA  LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.547 -20.058 -22.965 -25.661 -25.869 -26.042 -28.463 -26.172 -23.768 -21.207 -18.426 -18.636 -16.843	RANGE 823.64948 793.25421 774.57706 801.20879 821.63676 824.89609 807.10404 777.18031 759.53188 748.06085 752.84158 767.41542 793.09719 831.70545 841.40415 864.59740 903.18207 901.33137 707.55234 872.22251	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -39.2 -79.0 -82.6 -82.6 -84.4 -72.5 -50.8 -43.2 -75.8	AZN 6.3 6.4 3.8 5.4 7.15 10.2 7.6 4.3 3.4 4.8 6.1 7.3 7.5 10.5 12.9 15.9 12.5	SEC TO 3335.  AZSUN -82.0 -81.8 -80.8 -81.1 -81.3 -81.6 -81.6 -81.6 -81.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.5 -85.5 -85.5 -85.5 -85.5 -85.5	IMPACT 2.29  A 2 2 48.8  48.8  48.8  48.8  47.8  57.8  58.8  47.8  38.7  38.9  47.9  38.9  47.9  51.6	134 ALT 747.3794: 38.16909 37.69886 35.77116 36.63620 37.70353 8.86363 40.31457 39.01585 37.98077 36.76119 35.77116 33.31863 34.71785 36.87814 38.12267 39.03408 40.32829 41.96919 42.16681 40.47635	### ATL    LA	AS PHOTO  T	ONO ON 1.585 INCD 68.3 65.1 62.1 64.5 67.1 67.7 68.5 65.7 63.2 62.6 62.1 59.5 61.8 64.1 66.7 69.9 70.7 71.6	134 24: PHAC: 47.6 53.2 42.5 42.5 42.5 53.3 53.2 53.3 7.2 36.9 37.2 38.2 43.3 43.3	R 82 . 8 3 5 8 2 3 6 . 8 1 S 1 2 3 2 3 . 6 . 8 1 1 2 3 5 . 5 3 3 6 . 8 1 1 2 3 3 6 . 8 5 . 7 2 3 1 3 3 3 3 3 3 4 1 . 8 4 2 3 3 4 1 . 8 4 2 3 7 . 8	POD S V 2 .267 AL PHA 27.01 8.5 124.4 24.4 23.1 14.7 6.6 8.1 15.7 23.5 31.6 32.8 32.8 32.8 32.8 32.8 32.8 32.8 31.7 29.1 20.3	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 86.97787 85.13441 78.97950 81.1724 75.29395 92.34879 92.34879 177.15336 83.86308 83.48330 91.61355 103.89793 100.95804	AZ 16.080 PI-PI 0-11 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.786 10 -12.112 11 -9.652 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008 17 -9.226 18 -11.933 19 -14.882 20 -18.197 21 -17.982	Y DATA  LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.547 -20.058 -22.965 -25.661 -25.866 -25.866 -25.866 -21.207 -18.426 -18.059 -17.530 -16.8421 -19.419 -22.537 -25.406 -22.602	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 856.00268 824.89609 807.10404 777.18031 759.53188 748.06085 752.84158 767.41542 793.09719 831.70545 841.40415 864.59740 903.18207 904.133137 907.55234 872.22251 851.70992	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -39.2 -79.0 -82.6 -82.6 -84.4 -72.5 -50.8 -43.2 -75.8	AZN 6.3 6.4 3.4 7.1 8.5 10.2 7.6 4.3 3.8 4.1 7.3 8.5 12.9 12.5 2.8	SEC TO 335.  AZSUN -81.8 -80.8 -81.3 -81.6 -81.6 -81.6 -81.6 -81.6 -81.1	1MPACT 292 A32 A2 A34	134 ALT 747.37943 38.16909 37.69886 35.77116 36.63620 37.70353 38.86363 40.31457 39.01585 37.98077 36.76119 35.7711863 34.71785 35.87484 36.87814 36.87814 36.87814 40.32829 40.32829 44.10439 44.10439 42.16681	8/A 0 -8986 0 -996 0 -9986 0 -9910 0 -8787 0 -872 0 -873 0 -822 0 -867 0 -990 0 -978 0 -935 0 -8856 0 -762 0 -8756 0 -880	AS PHOTO  T	ONO INCD 68.3 65.1 62.1 64.5 65.7 65.6 67.1 67.7 68.5 68.5 68.5 7 68.5	134 24- 40.6 47.6 47.8 42.5 47.9 53.1 53.2 53.7 48.6 37.2 43.3 48.6 48.6 48.6 48.6	R R R S S S S S S S S S S S S S S S S S	POD S 2.267 ALPHA 27.01 8.51 24.4 22.4 23.11 4.6 8.15 0.6 8.15 0.6 8.15 0.6 8.15 22.6 8.15 22.6 8.15 22.6 8.15 22.6 8.15 22.6 8.15 22.6 8.15 22.6 8.15 22.6 8.15 22.6 8.15 22.6 8.15 22.6 8.16 22.6 8.16 22.6 8.16 22.6 8.16 22.6 8.16 22.6 8.16 22.6 8.16 8.16 8.16 8.16 8.16 8.16 8.16 8.	PTH -69.504.1  SCALE 0. 107.65104 109.50250 73.88182 78.99221 78.99272 86.97787 75.13441 78.97950 81.17242 75.29395 62.34899 68.95144 72.36471 77.15336 83.86308 93.86389 93.86389 93.86389 93.86389 93.86389 93.86389 93.86389 93.86389	AZ 16.080 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 22-22 22-23
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 -4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.784 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008 17 -9.226 18 -11.933 19 -14.882 20 -18.197 21 -17.968 22 -17.819 23 -17.729 24 -17.684	Y DATA  LON 19.839 23.300 26.042 23.572 20.934 22.965 22.965 25.661 25.869 26.172 23.768 21.207 18.426 18.059 17.530 16.843 15.921 19.419 22.537 25.461 22.37	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 824.68609 807.10404 777.18031 759.53188 748.06085 752.64158 752.64158 767.41542 793.09719 841.40415 844.59740 903.18207 961.33137 907.55234 872.22251 843.74016	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5 -39.2 -69.9 -69.9 -69.9 -69.9 -60.5	AZN 6.3 6.4 7.1 8.5 10.2 6.4 9 4.9 3.8 2.0 4.8 6.1 7.3 12.9 12.5 9.2 2.3	SEC 310 3250 8250 81.8 81.8 81.3 82.4 81.3 82.4 81.3 82.4 81.3 80.6 80.6 80.6 80.6 80.6 80.6 80.6 80.6	IMPA A3.228 48.46 438.46 438.46 438.46 438.46 438.46 438.46 438.46 438.47 438.4	134 ALT 747.37942 38.16909 37.6936 36.767116 36.63620 37.70353 38.86363 40.31457 39.01585 39.01585 37.7116 35.77116 35.77116 36.76119 35.77116 36.76119 35.87484 36.87814 36.87814 40.3282 41.96919 44.10439 44.10639 44.10639 44.10639 47.10681 49.50605 38.58159 37.15283 37.15283	ATLL  LA  -6.  8/A  0.986 0.996 0.996 0.991 0.991 0.926 0.967 0.901 0.949 0.960 0.969 0.960 0.969 0.960	AS PHOTO  I 1870 - 288  AZPHAZ - 93.6  -90.2  -85.6  -85.2  -95.7  -90.2  -95.6  -85.2  -95.7  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3  -90.3	DNO DNA	134 24 40.6 53.2 47.5 42.5 47.9 53.3 53.2 47.9 53.3 37.2 43.3 37.2 43.3 43.3 53.9 59.0	R R 82.835 23.6 23.6 12.3 12.3 12.5 12.5 25.5 26.8 19.1 12.3 30.3 2.9 8.3 15.7 23.5 33.2 24.8 41.8 42.3 33.6 42.3 33.6 42.3 33.6 42.3 33.6 42.3 33.6 42.3 42.3 42.3 42.3 42.3 42.3 42.3 42.3	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 24.4 23.1 14.7 6.6 8.1 15.7 23.5 31.5 32.6 31.7 20.3 31.7 20.3 31.9 32.8 31.7 20.3	PTH -69.504.1 SCALE 0. 107.65104 109.50250 73.88182 78.92221 86.97787 85.13441 78.97950 81.1724 75.29395 92.34879 92.34879 177.15336 83.86308 83.48330 91.61355 103.89793 100.95804	AZ 16.080 PI-PI 0-11 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-22 22-23
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.786 10 -12.112 11 -9.652 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008 17 -9.226 18 -11.934 19 -14.880 20 -18.197 21 -17.684 22 -17.684 25 -14.805 26 -12.186	Y DATA  A LON -19.839 -23.300 -26.042 -23.572 -20.934 -20.5661 -22.669 -26.042 -28.469 -26.042 -28.463 -21.207 -18.426 -18.059 -17.530 -16.843 -15.921 -19.419 -22.537 -25.4067 -28.4067 -28.208	RANGE 823-64948 793-25421 774-57706 801-20879 821-63676 856-00268 824-89609 807-10404 777-18031 759-53188 748-06085 752-84158 767-41542 793-09719 831-70545 841-40415 864-59740 903-18207 901-33137 907-55234 872-22251 851-70992 843-74016 800-79101	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -53.1 -42.7 -31.8 -17.5 -24.5 -39.2 -79.6 -82.6 -84.4 -72.5 -60.5 -60.5 -50.8 -43.2 -31.6 -72.5 -60.5	AZN 6.3 6.46 5.47 7.17 8.55 10.22 7.18 4.38 8.57 112.9 112.9 112.9 112.9 112.9 112.9 112.9 112.9 112.9 112.9 112.9 112.9 112.9	SEC TO 3350 AZSUN -82.0 -81.8 -81.8 -81.1 -81.3 -82.4 -83.7 -80.5	MPACT 2.29  A22  48.2  48.2  48.4  43.4  47.8  48.8  43.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  47.8  48.8  4	34.16909 37.69620 37.69620 37.6963630 36.63620 37.70353 38.86363 40.31457 39.01585 37.98077 36.76119 35.77116 33.31863 34.71785 35.87484 40.32829 41.96919 44.10439 41.96919 44.10439 42.16683 39.50605 37.15283 38.58159 37.15283 37.15283	ATLL  LA  -6.i  8.78  0.916  0.986  0.954  0.867  0.867  0.990  0.990  0.990  0.990  0.971  0.602  0.786  0.786  0.990	AS PHOTO  T	O NO ON L585 INCD 68.3 65.1 64.5 67.1 68.5 67.1 68.5 67.1 68.6 67.1 68.6 67.1 69.4 64.1 64.1 69.4 69.4 69.4 69.4 69.4 69.4 69.4 69.4	134 24, 47.62 47.62 47.63 42.25 42.55 42.25 42.35 48.41 438.03 37.22 38.33 48.43 48.43 48.43 53.90 558.69	R 82.835 23.6 12.3 30.1 12.3 25.5 25.5 25.5 30.3 26.8 11.2 31.5 31.5 31.5 31.5 31.5 31.5 31.5 31.5	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 23.1 14.7 6.6 8.1 15.7 5.3 31.4 32.8 31.7 29.1 31.9 3.8 4.1 11.9 3.1 3.1 9.3 9.3 9.4 9.3 9.3 9.4 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3	PTH -69.504.1  SCALE 0. 107.65104 109.50250 73.88182 78.92221 78.97950 85.13441 78.97950 81.1722 75.29395 92.34899 96.95144 72.36471 77.15336 83.86308 83.48330 91.61355 103.89793 100.9586 82.78126 82.78126 87.79406 87.725090	AZ 16.080 PI-PT 0-11 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-10 20-21 21-22 22-23 23-24 24-25 25-26
TRAJECTOR PHOTO DAT PT LAT 1 -10.981 2 -12.044 3 -9.632 -4 -9.506 5 -9.372 6 -11.984 7 -14.816 8 -14.786 9 -14.784 10 -12.112 11 -9.632 12 -7.743 13 -7.588 14 -7.417 15 -7.226 16 -7.008 17 -9.226 18 -11.933 19 -14.882 20 -18.197 21 -17.968 22 -17.819 23 -17.729 24 -17.684	Y DATA  LON 19.839 23.300 26.042 23.572 20.934 22.957 20.058 22.965 25.661 25.869 26.172 23.768 21.276 24.426 18.059 17.530 16.843 11.841 25.406 28.107 22.4309	RANGE 823.64948 793.25421 759.53188 774.57706 801.20879 821.63676 824.03609 807.10404 777.18031 759.53188 748.06085 752.84158 767.41542 779.09719 841.40415 841.40415 841.59740 903.18207 961.33137 907.55234 872.22251 843.74016 872.2251 873.74016	AZS/C -29.0 -41.8 -39.2 -58.0 -67.3 -59.1 -42.7 -31.8 -17.5 -24.5 -39.2 -79.0 -82.4 -72.5 -60.5 -60.5 -60.8 -43.2 -35.2 -35.2 -60.5	AZN 6.3 6.3 6.3 6.4 7.1 8.5 7.1 7.6 4.9 3.8 4.8 4.8 12.9 12.5 12.9 12.5 2.5 2.5 2.1 2.1	SEC 310 3250 8250 81.8 81.8 81.3 82.4 81.3 82.4 81.3 82.4 81.3 80.6 80.6 80.6 80.6 80.6 80.6 80.6 80.6	IMPA A3.228 48.46 438.46 438.46 438.46 438.46 438.47 438.4	134 ALT 747.37942 38.16909 37.6936 36.767116 36.63620 37.70353 38.86363 40.31457 39.01585 39.01585 37.7116 35.77116 35.77116 36.76119 35.77116 36.76119 35.87484 36.87814 36.87814 40.3282 41.96919 44.10439 44.10639 44.10639 44.10639 47.10681 49.50605 38.58159 37.15283 37.15283	ATLL  LA -6.  8/49 0.996 0.996 0.996 0.996 0.990	AS PHOTO  I 1870 - 288  AZPHAZ - 93.6  -90.2  -85.6  -85.2  -94.8  -90.2  -95.7  -95.2  -94.8  -90.2  -81.6  -80.9  -80.1  -79.0  -84.2  -90.3  -96.3  -102.2  -101.1  -100.1  -99.3  -98.7  -94.8	NO N	24. PHAZ 47.6 53.2 47.8 53.2 47.9 53.3 153.2 47.9 53.3 37.2 36.9 37.2 43.3 37.2 55.6 58.5 58.5 58.5 58.5 58.5 58.5 58.5	R R 30-1 23-6 12-3 12-5 25-5 26-8 19-1 15-7 23-5 33-2 2-9 15-7 33-5 33-6 41-8 42-3 33-6 41-8 42-3 33-6 7 41-8 42-3 33-6 7 41-8 42-3 42-3 41-8 42-3 42-3 41-8 42-3 42-3 44-8 42-3 44-8 44-8 44-8 44-8 44-8 44-8 44-8 44	POD S V 2.267 ALPHA 27.0 16.1 8.5 16.4 24.4 23.1 14.7 6.6 8.1 15.7 23.5 31.5 32.6 31.7 20.3 31.7 20.3 31.9 32.8 31.7 20.3	PTH -69.504.1  SCALE 0. 107.65104 109.50250 73.88182 78.92221 79.95272 78.97221 78.97520 81.17242 75.20395 68.95144 72.36471 77.15336 68.06286 63.48330 91.61355 103.89793 100.95804 90.01284 82.78126 77.94406 87.25090	AZ 16.080 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-23 23-24 24-25 25-26 26-27

					RA-VII	CAMERA	FA							68
						AB NO	100	4.77.4				BOD 6	EQUENCE NO 2	76
JULY 31,19	64 13 HR	20 MIN 18	SEC 628	MS	,	AB NU	135	AILA	AS PHOTO	NU	135	PUU S	EQUENCE NO 2	.,,
TRAJECTOR	Y DATA				SEC TO	IMPACT	ALT	LAT	LC	)N	R	٧	PTH AZ	
					330.		736.50204				2471.95	7 2.270	-69.445 116.0	8 60
PHOTO DAT	A LON	RANGE	AZS/C	AZN	AZSUN	AZA	A=	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE PT-	
1 -10.973	-19.857	811.74749	-29.2	6.3	-82.1	53.1	37.62490	0.898	-93.6	68.3	40.6 30.0	27.0		- 1
2 -12.027	-23.254	781.98220	-41.9 -39.5	6.4 3.8	-81.8 -80.8	48.1 48.6	37.16317		-90.2 -85.6		47.6 23.6 53.2 12.4		105.76316 1- 107.96593 2-	. 3
3 -9.649 4 -9.525	-25.958 -23.522	748.65685 763.56950	-58.0	5.5	-81.1	43.4	35.25899 36,11552		-85.2		47.8 18.3		72.84452 . 3-	
5 -9.392	-20.921	789.86301	-67.2	7.1	-81.3	38.6	37.16957	0.911	-84.7		42.5 25.5	24.4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 5
6 -11.968 7 -14.758	-20.540 -20.058	809.99931 843.80426	-53.1 -42.8	8.5	-82.4 -83.7	43.3	38.31319 39.74007		-90.2 -95.7		42.2 29.7		78.81955 5- 65.71315 6-	- 6 - 7
8 -14.729		813.11366	-31.9	7.6	-82.7	52.4	38.45853		-95.2		47.9 30.3			- 8
9 -14.725	25.581	795.49075	-17.7	5.0	-81.7	57.5	37.43423	0.901	-94.8		53.3 26.7			- 9
	-25.786	766.05253 748.65685	-24.7 -39.5	4.3 3.8	-81.2 -80.8	53.3 48.6	36.23486 35.25899		-90.2 -85.6		53.1 19.1		79.98659 9- 74.21560 10-	-10 -11
	-25.958 -28.345	737.20303	-8.0	2.0	-80.5	49.5	32.83673		-82.2		58.9 3.0		91.03587 11-	-12
13 -7.634	-26.086	742.02782	-69.0	3.4	-80.6	45.2	34.22698		-81.6		53.7 8.4		67.96364 12-	
	-23.716 -21.191	756.47189 781.82645	-78.9 -82.5	4.8 6.1	-80.6 -80.5	38.9 34.1	35.36312		-80.9 -80.0		48.4 15.8		71.34478 13-	
	-18.449	819.86866	-84.3	7.3	-80.2	29.8	37.57996		-79.0		38.0 31.5		82.66236 15-	-16
17 -9.249	-18.087	829.46928	-72.4	8.7	-81.4	34.2	38.48041	0.856	-84.2		37.2 33.1		67.10145 16-	
18 -11.917		852.31991	-60.5 -50.8	10.5	-83.0 -85.0	38.9 43.2	39.75572 41.36845		-90.2 -96.3		36.9 36.7 37.2 41.7		82.29451 17- 90.26366 18-	
19 -14.824 20 -18.087		890.25151 947.30524	-43.2	15.8	-87.5	47.3	43.46092				38.2 48.0		102.25315 19-	
21 -17.862	-19.431	894.42838	-35.3	12.5	-85.5	51.7	41.55694	0.757	-101.1		43.4 42.2		99.42672 20-	
22 -17.716	-22.503	859.60642	-25.5	9.2	-83.9	56.4	40.08784		-100.1 -99.3	66.6	48.6 37.1	12.0	88.71195 21- 81.59995 22-	-22 -23
23 -17.626 24 -17.581		839.31022 831.31569	-13.8 -0.8	5.8 2.5	-82.5 -81.1	61.4 66.7	38.93074 38.01335		-98.7		59.0 33.4		76.81719 23-	
25 -14.746		789.13618	-1.0	2.3	-80.7	63.0	36.61210	0.924	-94.4	60.8	58.6 25.3	-1.2	B5.90407 24-	
26 -12.166		760.66453	-1.4	2.1	-80.6	59.0	35.48347		-90.2 -85.9		58.5 9.0		78.21421 25- 72.71709 26-	
	-28.276	743.74039	-2.5	2.0	-80.5	52.7	34.28051	0.992	-82.9	23.4				
29 -7.787	~ 2H . 345	737.20303	-8.0	2.0	-80.5	49.5	32.83673	0.969		59.7	58.9 3.0	0.7	59.98742 27-	-28
28 -7.787	-28.345	737.20303	-8.0	2.0		49.5	32.83673		-82.2		58.9 3.0			
						49.5 TAB NO	32.83673 136						59.98742 27- SEQUENCE NO 2	
JULY 31,19	964 13 HR				1	TAB NO	136	ATL	-82.2 AS PHOTO	NO	136	POD S	SEQUENCE NO 2	
	964 13 HR				SEC TO	TAB NO	136 ALT	ATL:	-82.2 AS PHOTO	NO ON	136 R	POD :		278
JULY 31,19 TRAJECTOR PHOTO DAT	964 13 HR RY DATA	20 MIN 23	SEC 747	MS	SEC TO 325.	TAB NO IMPACT 052	136 ALT 725.61036	ATL	-82.2 AS PHOTO T L 953 -28	NO ON •413	136 R 2461.0	POD 9	PTH AZ -69.385 116.4	278 056
JULY 31,19 TRAJECTOR PHOTO DAT PT LAT	964 13 HR RY DATA IA LON	20 MIN 23	SEC 747	MS	SEC TO 325.	TAB NO IMPACT 052 AZA	136 ALT 725.61036	ATL	-82.2 AS PHOTO T LI 953 -28 AZPHAZ	NO 0N -413	R 2461.00	POD 5	PTH AZ -69.385 116.1	278 Ω56 -PT
JULY 31,19 TRAJECTOR PHOTO DAT PT LAT 1 -10,965	064 13 HR RY DATA IA LON -19.874	20 MIN 23  RANGE 799.82746	SEC 747	MS	SEC TO 325.	IMPACT 052 AZA 52.9	136 ALT 725.61036	ATL LA 36.5 8/A U.898	-82.2 AS PHOTO T LI 953 -28 AZPHAZ	NO 0N -413 INCD 68.3	136 R 2461.0	POD 5	PTH AZ -69.385 116.4  SCALE PT- 0. 0- 103.87906 1:	278 Ω56 -PT - 1 - 2
JULY 31,13  TRAJECTOR  PHOTO DAT  PT LAT  1 -10.965  2 -12.009  3 -9.666	264 13 HR RY DATA LON -19.874 -23.207 -25.873	20 MIN 23  RANGE 799.82746 770.69014 737.76488	AZS/C -29.4 -42.0 +39.7	MS AZN 6.3 6.4 3.8	SEC TO 325. AZSUN -82.1 -81.8 -80.8	IMPACT 052 AZA 52.9 48.0 48.5	ALT 725.61036 An 37.07980 36.62652 34.74602	ATL LA 3 -6.5 8/A 0.898 0.916 0.985	-82.2 AS PHOTO  T L: 953 -28  AZPHAZ -93.6 -90.2 -85.6	NO 0N .413 INCD 68.3 65.1 62.3	R 2461.00 PHAZ EM1: 40.7 30.4 47.6 23.5 53.2 12.5	POD 5  V  66 2.274  S ALPHA  D 27.0  6 16.2  4 8.7	PTH AZ -69.385 116.1  SCALE PT- 0. 0. 103.87906 1: 106.42620 2:	278 Ω56 -PT - 1 - 2 - 3
JULY 31,19 TRAJECTOR PHOTO DAT PT LAT 1 -10-965 2 -12.009 3 -9-666 4 -9-544	064 13 HR RY DATA LON -19.874 -23.207 -25.873 -23.472	RANGE 799.82746 770.69014 737.76488 752.54232	AZS/C -29.4 -42.0 -39.7 -58.1	MS 6.3 6.4 3.8 5.5	SEC TO 325.  AZSUN -82.1 -81.8 -80.8 -81.1	TAB NO IMPACT 052  AZA 52.9 48.0 48.5 43.3	ALT 725,61036 A* 37.07980 36.62652 34.74602 35.59392	ATL LA 3 -6.5 8/A 0.898 0.916 0.985 0.953	-82.2  AS PHOTO  T LI 95328  AZPHAZ -93.6 -90.2 -85.6 -85.2	NO ON -413 INCD 68-3 65-1 62-3 64-6	R 2461.00 PHAZ EM1: 40.7 30.4 47.6 23.5 53.2 12.47.9 18.	POD S 56 2.274 5 ALPHA 27.0 6 16.2 4 8.7 4 16.5	PTH AZ -69.385 116.4  SCALE PT 0. 0 103.87906 1 106.42620 2 71.8051103	278 056 -PT - 1 - 2 - 3
JULY 31,15  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965  2 -12.009  3 -9.666  4 -9.541  5 -9.413	D64 13 HR RY DATA LON -19.874 -23.207 -25.873 -23.472 -20.908	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.49564	AZS/C -29.4 -42.0 -39.7 -58.1	MS AZN 6.3 6.4 3.8	SEC TO 325. AZSUN -82.1 -81.8 -80.8	IMPACT 052 AZA 52.9 48.0 48.5	ALT 725.61036 An 37.07980 36.62652 34.74602	ATL LA 3 -6.5 8/A 0.898 0.916 0.985 0.953	-82.2 AS PHOTO  T L: 953 -28  AZPHAZ -93.6 -90.2 -85.6	NO ON -413 INCD 68-3 65-1 62-3 64-6 67-1	R 2461.00 PHAZ EM1: 40.7 30.4 47.6 23.5 53.2 12.5	POD S 56 2.274 5 ALPHA 0 27.0 16.2 4 8.7 4 16.5 5 24.5	PTH AZ -69.385 116.4 SCALE PT. 0. 0. 103.87906 1: 106.42620 2: 71.80510 3: 76.70691 4: 77.68431 5:	278 056 -PT - 1 - 2 - 3 - 6 - 5 - 6
JULY 31,19 TRAJECTOR PHOTO DAI PT LAT 1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.413 6 -11.951 7 -14.701	264 13 HR RY DATA LON -19.874 -23.207 -25.873 -23.472 -20.908 -20.532 -20.532	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.49564 798.33985 831.58514	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8	AZN 6.3 6.4 3.8 5.5 7.5 10.2	SEC TO 325.  AZSUN -82.1 -81.6 -80.8 -81.1 -81.3 -81.3	IMPACT 052 AZA 52.9 48.0 48.5 43.3 38.6 47.6	ALT 725.61036 A= 37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461	ATL/ 8/A 0.898 0.916 0.953 0.911 0.873 0.823	-82.2  AS PHOTO  T LI 95328  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -905.7	NO 0N .413 INCD 68.3 65.1 62.3 64.6 67.1 67.7 68.5	136  R 2461.0  PHAZ EM1: 40.7 30., 47.6 23., 53.2 12., 47.9 18., 42.5 25., 42.2 29., 42.5 35.	POD S  66 2.274  S ALPHA  0 27.0  6 16.2  4 8.7  4 16.5  7 24.5  7 24.5	PTH AZ -69.385 116.4  SCALE PT- 03.87906 1: 106.42620 2: 71.80510 3- 76.70691 4 77.68431 5- 84.44731 6-	278 056 -PT - 1 - 2 - 3 - 4 - 5 - 6 - 7
JULY 31,14  TRAJECTOR PHOTO DAI PT LAT 1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.11.951 7 -14.701 8 -14.672	264 13 HR RY DATA LON -19.874 -23.207 -25.873 -23.472 -20.908 -20.532 -20.058	RANGE 799.82746 770.69014 737.76488 752.54232 778.49564 798.33985 831.58514	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8 -32.0	AZN 6.3 6.4 3.8 5.5 7.1 8.5 10.2 7.6	SEC TO 325.  AZSUN -82.1 -81.8 -80.8 -81.1 -81.3 -82.4 -82.7	TAB NO IMPACT 052  AZA 52.9 48.5 43.3 38.6 43.3 47.6 52.3	ALT 725.61036 A. 37.07980 36.6252 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030	ATL 1A 1 -6.1 8/A 0.8498 0.916 0.985 0.953 0.911 0.873 0.873 0.823 0.868	-82.2  AS PHOTO  T L.  953 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.7	NO N .413 INCD 68.3 65.1 62.3 64.6 67.1 67.7 68.5 65.8	R 2461.00 PHAZ EMI 40.7 30.47.6 23.53.2 12.47.9 18.42.5 25.42.2 29.42.5 35.47.9 30.47.	POD S  V  56 2.274  S ALPHA  0 27.0  6 16.2  4 8.7  4 16.5  5 24.5  7 24.4  4 23.1	PTH AZ -69.385 116.4  SCALE PT 0. 0 103.87906 1 106.42620 2 71.805103 76.70691 4 77.68431 5 84.44731 6 82.72275 7	278 056 -PT - 1 - 2 - 3 - 5 - 6 - 7 - 8
JULY 31,19 TRAJECTOR PHOTO DAI PT LAT 1 -10-965 2 -12-009 3 -9-666 4 -9-544 5 -9-413 6 -11-951 7 -14-701 8 -14-672 9 -14-669	A LON -19.874 -23.207 -25.873 -23.472 -20.908 -20.532 -20.058 -22.882 -25.501	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.49564 783.3985 881.58514 801.31216 783.86130	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8 -32.0 -17.9	AZN 6.3 6.4 3.8 5.5 7.1 8.5 10.2 7.0	SEC TO 325.  AZSUN -82.1 -81.8 -80.8 -81.1 -81.3 -82.4 -83.8 -82.7 -81.8	TAB NO IMPACT 052  ALA 52.9 48.0 48.3 38.6 43.3 47.6 52.3 57.3	ALT 725.61036 A= 37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693	ATL/ LA3 -6.1 8/A U.898 U.916 0.985 0.953 0.911 0.873 0.823 0.868 0.901	-82.2  AS PHOTO  T LI  95328  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8	NO ON -413 INCD 68-3 65-1 62-3 64-6 67-1 68-5 65-8 63-3	136  R 2461.0  PHAZ EM1: 40.7 30., 47.6 23., 53.2 12., 47.9 18., 42.5 25., 42.2 29., 42.5 35.	POD 5  V 66 2.274  S ALPHA 27.0 6 16.2 4 8.7 4 16.5 5 24.4 4 23.1 2 14.8 7 6.8	PTH AZ -69.385 116.4  SCALE PT 0. 0 103.87906 1 106.42620 2 71.80510 3 76.70691 4 77.88431 5 84.44731 6 82.72275 7 76.75122 8 78.79951 9	278  056  -PT - 1 - 2 - 3 - 6 - 7 - 8 - 910
JULY 31,19  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.413 6 -11.951 7 -14.701 8 -14.672 9 -14.669 10 -12.075 11 -9.666	264 13 HR RY DATA  LON -19.874 -23.207 -25.873 -23.472 -20.908 -20.532 -20.058 -22.882 -25.501 -25.203	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.49564 798.3395 831.58514 801.31216 783.86130 754.90157 737.76488	AZS/C -29.4 -42.0 -39.7 -67.2 -53.2 -42.8 -32.0 -17.9 -25.0 -39.7	AZN 6.3 6.4 3.8 5.5 7.1 5.0 2 7.6 5.0 3.8	SEC TO 325.  AZSUN -81.8 -80.8 -81.3 -81.3 -82.4 -83.8 -81.2 -80.8	TAB NO IMPACT 052  AZA 52.9 48.0 43.3 38.6 43.3 37.6 52.3 57.1 48.5	ALT 725.61036 A- 37.07980 36.02652 34.74602 35.59392 36.63459 37.7612 39.16461 37.90030 36.88693 35.20771 34.74602	ATL 6.898 0.916 0.985 0.953 0.911 0.873 0.823 0.823 0.828 0.901 0.949 0.949	-82.2 AS PHOTO  T L. 953 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -95.2	NO 0N .413 INCD 68.3 65.1 62.3 64.6 67.1 67.7 68.5 65.8 63.3 62.3	R 2461.00 PHAZ EMI: 40.7 30.4 47.6 23.2 47.9 18.4 42.5 25.4 42.5 25.4 42.9 30.5 3.3 26.5 33.1 19.5	POD 5  V  66 2.274  6 16.2  7 16.2  8 7 16.2  7 24.4  7 23.1  2 14.8  7 6.8  2 8.3	PTH AZ -69.385 116.4  SCALE PT 0. 103.87906 1. 106.42620 2. 71.80510 76.70691 4. 77.68431 5. 84.44731 6. 82.72275 7. 76.75122 8. 78.79951 9. 73.13577 10	278  056  -PT - 1 - 2 - 3 - 4 - 7 - 8 - 10 - 11
JULY 31,13  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965  2 -12.009  3 -9.666  4 -9.544  5 -9.413  6 -11.951  7 -14.70  8 -14.667  9 -14.669  10 -12.075  11 -9.666	264 13 HR  LON -19.874 -23.207 -25.873 -23.472 -20.538 -20.538 -20.538 -25.501 -25.873 -25.873 -25.503	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.4956 831.58514 801.31216 783.86130 754.90757 737.76488	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8 -32.0 -17.9 -25.0 -39.7 -25.0	MS AZN 6.3 6.4 3.8 5.5 7.1 8.5 10.6 5.0 4.3 3.8 2.0	SEC TO 325.  AZSUN -02.1 -81.8 -81.1 -81.3 -82.7 -82.7 -81.2 -80.8	IMPACT 052  AZA 52.9 48.5 43.3 47.6 57.3 53.1 48.5 49.3	ALT 725.61036 A- 37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 35.270771 34.74602 32.35437	ATL 8/A 0.898 0.985 0.993 0.911 0.873 0.873 0.868 0.901 0.945 0.945 0.945	-82.2 AS PHOTO  T L 953 -28 AZPHA -93.6 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -85.6	NO NO NO NO NO NO NO NO NO NO	R 2461-0 PHAZ EM1 40.7 30.4 47.6 23. 53.2 12. 47.9 18. 42.5 25. 42.5 25. 42.2 29. 42.5 35. 47.9 30. 53.3 26. 53.3 1.19. 53.2 12.	POD 5  56 2.274  S ALPHA D 27.0  6 16.2  4 8.7  4 16.5  5 24.5  7 24.5  4 23.1  2 14.8  7 6.8  8.7  0 0.8	SEQUENCE NO 2  PTH AZ  -69.385 116-1  SCALE PT  0. 0  103.87906 1  106.42620 2  71.80510 3  76.70691 4  77.68431 5  84.44731 5  84.44731 5  82.72275 7  76.75122 8  78.79551 9  73.13577 10	278  256  -PT - 1 - 2 - 3 - 5 - 7 - 8 - 9 - 10 - 11
JULY 31,14  TRAJECTOR  PHOTO DAI  PT LAT  1 -10-965 2 -12-009 3 -9-666 4 -9-544 5 -9-413 6 -11-951 7 -14-701 8 -14-672 9 -14-669 10 -12-075 11 -9-666 12 -7-832 13 -7-680	264 13 HR AY DATA  IA LON -19.874 -23.207 -25.873 -23.472 -20.908 -20.532 -20.058 -22.882 -22.882 -25.501 -25.203 -25.873 -28.226	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.33985 831.58514 801.31216 783.86130 754.90757 747.76488 726.33260	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8 -32.0 -17.9 -25.8 -39.7 -9.9	MS 6.3 6.4 3.8 5.5 7.1 8.5 10.2 7.6 5.0 4.3 3.8 2.0	SEC TO 325.  AZSUN -82-1 -81.8 -80.8 -81.1 -81.4 -83.8 -82.7 -81.8 -82.7 -81.8 -80.8 -80.5 -80.5 -80.5	TAB NO IMPACT 052  AZA 52.9 48.0 48.5 43.3 48.6 43.3 57.3 57.3 48.5 49.3	ALT 725.61036 A= 37.07980 36.6252 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 35.71071 34.74602 32.35437 33.73525	ATL 1A3 -6.* 8/A 0.898 0.915 0.953 0.911 0.873 0.823 0.868 0.901 0.949 0.985 0.969	-82.2 AS PHOTO T L 953 -28 AZPHAL -93.6 -90.2 -84.7 -90.2 -84.7 -90.2 -95.7 -90.2 -94.8 -90.2 -95.2 -95.2 -95.7 -95.2 -95.2 -95.7 -95.2 -95.2 -95.2 -95.2	NO N - 413 INCD 68.3 65.1 62.3 64.6 67.1 67.7 68.5 65.8 63.3 62.7 62.3 59.8	R 2461.00 PHAZ EMI: 40.7 30.4 47.6 23.2 47.9 18.4 42.5 25.4 42.5 25.4 42.9 30.5 3.3 26.5 33.1 19.5	POD 5  V  56 2.274  S ALPHA  D 27.0  6 16.2  4 16.5  5 24.5  7 24.4  4 23.1  2 14.8  7 2.8.3  4 8.7  0 .82	SEQUENCE NO 2  PTH AZ -69.385 116-1  SCALE PT 0. 0 103.87906 1 106.42620 2 71.80510 3 76.70691 4 77.68431 5 84.44731 6 82.72275 7 76.75122 8 78.79951 9 73.13577 10 69.72074 11 66.97450 12	278
JULY 31,13  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.544 5 -9.14.701 8 -14.672 9 -14.669 10 -12.075 11 -9.666 12 -7.832 13 -7.680 14 -7.513	A LON 19.874 23.477 24.207 25.873 20.7 20.958 20.558 20.558 20.558 20.558 22.882 25.501 25.501 25.603 25.603 25.603 25.603 25.603 25.603 25.604 21.175	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.33985 831.58514 801.31216 783.86130 754.90757 737.76488 726.33260 731.19813 745.50986	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8 -32.0 -17.9 -25.0 -39.7 -9.9 -68.9 -78.7	MS AZN 6.3 6.4 3.8 5.5 7.1 8.5 10.2 7.6 5.0 4.3 3.8 4.6 6.1	SEC TO 325.  AZSUN -82.1 -81.8 -80.8 -81.1 -81.8 -82.4 -81.8 -82.7 -81.8 -80.8 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6	TAB NO IMPACT 052  AZA 52.9 48.0 48.0 48.3 38.6 47.6 52.3 53.1 48.5 49.3 45.2 38.9	ALT 725.61036 A- 37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 35.70771 34.74602 32.35437 33.73525 34.85055 35.82871	8/A U.898 U.998 U.998 U.995 U.973 U.873 U.873 U.873 U.873 U.873 U.991 U.949 U.995 U.997 U.997 U.997	-82.2 AS PHOTO T L: 95328 AZPHAZ93.6 -90.2 -85.6 -85.2 -94.7 -90.2 -94.8 -90.2 -95.7 -95.2 -94.8 -90.2 -95.7 -95.2 -95.8	NO NO N 13 INCD 68-3 65-1 62-3 64-6 67-1 68-5 65-8 63-3 62-7 62-3 59-8 62-0 64-3 66-3	R 2461-0' PHAZ EMI 40.7 30.1 47.6 23.5 53.2 12. 47.9 18. 42.5 25. 42.5 25. 42.5 35. 47.9 30. 53.1 19. 53.2 12. 53.7 6. 48.4 15. 43.1 23.	POD 5  V  66 2-274  S ALPHA 0  6 16-2  6 16-5  7 24-4  2 14-8  2 14-8  8 7 0  0 0-8  8 8 7 0  0 0-8  8 8 7 0  0 0-8  8 8 7 0  0 0-8  8 8 7 0  0 0-8  8 8 7 0  0 0-8  8 8 7 0  0 0 8 8 7 0	SEQUENCE NO 2  PTH AZ -69.385 116.4  SCALE PT. 0. 0. 103.87906 1. 106.42620 2. 71.80510 3. 76.70691 4. 77.68431 5. 84.44731 6. 82.72275 7. 76.75122 8. 78.19951 9. 78.13577 10. 89.72074 11. 66.97450 12. 70.32286 13.	278  056  -PT - 1 - 2 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15
JULY 31,15  TRAJECTOR  PHOTO DAI  PT LAT 1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.413 6 -11.951 7 -14.701 8 -14.672 9 -14.669 -1012.075 11 -9.666 12 -7.832 13 -7.680 14 -7.513 15 -7.328	1064 13 HR 14 LON -19.874 -23.207 -25.873 -23.472 -20.908 -20.532 -20.908 -22.882 -25.503 -25.873 -25.873 -25.873 -25.873 -25.873 -25.873 -26.26000 -23.6604 -21.175 -18.472	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.49564 798.33985 831.58514 801.31216 783.86130 734.90757 737.76488 726.33260 731.19813 745.50986 770.53539 808.01080	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -8 -32.0 -17.9 -25.0 -39.7 -68.7 -88.7 -82.3 -84.2	MS AZN 6.3 6.4 5.5 7.1 8.5 10.2 7.6 6.3 3.8 2.0 4.8 6.1 7.4	SEC TO 325.  AZSUN -82.1 -81.8 -80.8 -81.1 -81.3 -82.4 -83.8 -82.7 -81.2 -80.8 -80.5 -80.6 -80.5 -80.5 -80.5	TAB NO IMPACT 052  AZA 52.9 48.5 43.3 47.6 43.3 57.3 57.3 57.3 49.3 49.3 49.3 49.3	ALT 725.61036 37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 35.70771 34.74602 32.35437 33.73525 34.8555 35.82871 37.03630	ATL  1A3 -6.4  0.898  0.916  0.985  0.991  0.873  0.823  0.868  0.992  0.985  0.991  0.977  0.985	-82.2  AS PHOTO  T	NO NO 1NCD 68.3 65.1 62.3 64.6 67.1 67.7 68.5 63.3 59.8 62.0 64.3 66.4	R 2461-00 PHAZ EMI 47.6 23. 53.2 12. 47.9 18. 42.5 25. 42.5 25. 42.5 27. 42.5 33. 2 12. 53.1 19. 53.7 8. 48.4 15. 43.1 23.	POD 5  66 2.274  6 ALPHA 60 27.0 6.27.0 6.8 2.3.1 2.3.	SEQUENCE NO 2  PTH AZ  -69.385 116-1  O. 0  103.87906 1  106.42620 2  71.80510 3  76.7091 4  77.68431 5  84.44731 6  82.72275 7  76.75122 8  78.79951 9  73.13577 10  66.97450 12  70.32286 13  74.97965 14  81.49964 15	278
JULY 31,13  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.14.701 8 -14.672 9 -14.669 10 -12.075 11 -9.666 12 -7.832 13 -7.680 14 -7.513 15 -7.328 16 -7.17	2064 13 HR LON 19.874 -23.207 -25.873 -22.472 -20.908 -20.538 -22.882 -25.501 -25.873 -25.266 -26.000 -23.664 -21.175 -18.472 -18.115	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.39985 831.58514 801.31216 783.86130 754.90757 737.76488 775.50986 770.53539 808.01080 817.51205	AZS/C -29.4 -42.0 -39.7 -67.2 -53.2 -42.8 -32.0 -17.9 -9.9 -68.9 -78.7 -82.3 -84.2	MS AZN 6.3 6.4 3.8 5.5 7.1 8.5 10.2 7.6 5.0 4.3 3.8 4.6 6.1	SEC TO 325.  AZSUN -82.1 -81.8 -80.8 -81.1 -81.3 -82.4 -83.8 -82.7 -81.2 -80.8 -80.5 -80.6 -80.5 -80.5 -80.5	TAB NO IMPACT 052  AZA 52.9 48.0 48.0 48.3 38.6 47.6 52.3 53.1 48.5 49.3 45.2 38.9	136  ALT 725.61038  37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 37.73525 34.85055 35.82871 37.03630 37.92570	ATL  1A  1 -6.*  8/A  0.8498  0.916  0.953  0.911  0.873  0.868  0.901  0.977  0.935  0.977  0.935  0.882  0.882	-82.2 AS PHOTO T 185.3 -28 AZPHAZ -93.6 -90.2 -85.6 -85.2 -94.7 -90.2 -94.8 -90.2 -95.7 -95.2 -94.8 -90.2 -94.8 -90.9 -79.0 -79.0	NO INCD 68.3 65.1 67.1 67.7 68.5 65.8 63.3 62.3 59.8 62.3 64.6 63.3 64.6 63.3 64.6 63.3 64.6 63.3 64.6 65.8 65	R 2461-0' PHAZ EMI 40.7 30.1 47.6 23.5 53.2 12. 47.9 18. 42.5 25. 42.5 25. 42.5 35. 47.9 30. 53.1 19. 53.2 12. 53.7 6. 48.4 15. 43.1 23.	POD 5  V  S ALPHA 0  6 16-2-274  8 8-7 4  4 16-5 5  2 4-5 5  7 24-1 4  2 14-8 7  6 8-7 4  8 8-7 0  0 0 8  8 15-8 8  8 15-8 8  1 32-5 1	SEQUENCE NO 2  PTH AZ  -69.385 116-1  O. 0  103.87906 1  106.42620 2  71.80510 3  76.70691 4  77.68431 5  84.44731 6  82.72275 7  76.75122 8  78.79951 9  73.13577 11  66.97450 12  79.32286 13  74.97965 14  81.45964 15  66.13799 16  68.13995 1799	278  256  -PT - 1 - 2 - 3 - 5 - 6 - 7 - 8 - 9 - 11 - 12 - 13 - 14 - 15 - 16 - 17
JULY 31,13  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.413 6 -11.951 7 -14.701 8 -14.672 9 -14.669 10 -12.075 11 -9.666 12 -7.832 13 -7.680 14 -7.513 15 -7.328 16 -7.117 17 -9.271 18 -11.901	A LON 19.874 23.207 25.507 20.532 20.532 20.532 20.532 25.501 25.	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.39985 831.58514 801.31216 783.86130 754.90757 737.76488 726.33260 731.19813 745.50986 80.01080 817.51205 840.01992 877.30062	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -42.8 -32.0 -17.9 -68.9 -78.7 -82.3 -84.2 -72.4 -60.5 -50.9	MS  AZN 6.3 6.4 3.8 5.5 7.1 8.5 7.6 5.0 4.3 3.8 2.0 4.8 7.4 8.7 10.5	SEC TO 325.  AZSUN -82.8 -80.8 -81.1 -81.3 -81.3 -82.7 -81.8 -82.7 -81.8 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.7 -81.8	TAB NO IMPACT 052  AZA 52.0 48.5 43.3 8.6 43.3 53.1 48.5 7.3 53.1 49.3 236.0 34.3 38.9 34.2 36.0 34.3 38.9 43.2	136  ALT 725.61036  37.07980 36.62652 34.74602 35.59392 36.63459 37.16172 39.16461 37.90030 36.88693 35.70771 34.74602 32.35437 33.73525 34.85055 35.82871 37.03630 37.92570 39.18210 0.76677	ATL  LA3 -6.*  8/A  U.898  U.916  0.985  0.9911  0.873  0.868  0.901  0.945  0.945  0.945  0.945  0.945  0.945  0.967  0.9856  0.817  0.764	-82.2  AS PHOTO  T 185.3  -28 -29.2  -85.6  -85.2  -95.7  -90.2  -95.2  -95.3  -84.7  -90.2  -95.6  -82.2  -81.6  -80.9  -80.0  -79.0  -84.2  -90.2	NO INC. 68.3 62.3 64.6 67.1 68.5 65.8 62.7 68.3 62.7 68.3 66.4 67.7 68.3 67.1 68.3 67.1 67.1 68.3 67.1 67.1 68.3 67.1 67	136  R 2461-0' PHAZ EMI 40.7 30. 47.6 23. 53.2 12. 47.9 18. 42.5 25. 42.5 25. 42.5 35. 47.9 30. 53.3 26. 53.1 19. 53.2 12. 58.9 3. 53.7 8. 48.4 15. 48.4 15. 38.0 31. 37.2 31.	POD 5  56 2.274  50 2.774  50 2.774  50 2.776	SEQUENCE NO 2  PTH AZ  -69.385 116.4  SCALE PT  0. 0  103.87906 1  104.2620 2  171.80510 3  76.70691 4  62.72275 7  76.75122 8  78.79951 9  73.13577 10  69.7274 11  66.97450 12  70.32286 13  74.97965 14  81.45964 15  66.1379 16  81.10365 17  88.91291 18	278  056  -PT - 1 - 2 - 3 - 5 - 6 - 7 - 8 - 9 - 111 - 112 - 113 - 114 - 115 - 116 - 117 - 118 - 116 - 117 - 118 - 119
JULY 31,14  TRAJECTOR  PHOTO DAI  PT LAT  1 -10-965 2 -12-009 3 -9-666 4 -9-544 5 -9-413 6 -11-951 7 -14-701 8 -14-672 9 -14-669 -10 -12-075 11 -9-666 12 -7-832 13 -7-680 14 -7-513 15 -7-328 16 -7-117 17 -9-27 18 -11-901	A LON 19.874 - 23.207 - 25.873 - 23.472 - 20.908 - 20.558 - 25.501 - 25.501 - 25.200 - 23.664 - 21.175 - 18.472 - 18.115 - 17.601 - 16.939 - 16.056	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.39985 831.58514 801.31216 783.86130 754.90757 737.76488 726.33260 731.19813 745.50986 817.0.53539 808.01080 817.51205 840.01992 877.30062 933.26611	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8 -32.0 -17.9 -25.0 -39.7 -9.9 -68.9 -78.7 -8.7 -8.7 -8.7 -8.7 -8.7 -8.7 -8.	MS  AZN 6.3 6.4 3.5 7.1 8.5 7.1 8.5 10.2 7.6 4.3 3.8 6.1 7.4 8.7 10.5 12.8 15.8	SEC TO 325.  AZSUN -82.8 -80.8 -81.3 -81.3 -81.3 -81.8 -80.6 -80.5 -80.5 -80.6 -80.6 -80.6 -80.6 -80.7 -83.8	TAB NO IMPACT 052  AZA 52.9 48.5 43.3 47.6 43.3 57.3 148.5 49.3 34.2 38.9 43.2 47.2	ALT 725.61036 A- 37.07980 36.6252 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 35.71071 34.74602 32.35437 33.73525 34.85055 35.82871 37.92570 39.18210 40.76677 42.81686	ATL  LA:  8/A 0.916 0.985 0.951 0.873 0.868 0.901 0.977 0.935 0.982 0.985 0.8817 0.7645	-82.2  AS PHOTO  T 1953 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -95.7 -95.2 -95.2 -94.8 -90.2 -86.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9	NO -413 INCD 68.3 65.1 62.3 64.6 67.1 67.7 65.8 62.7 62.7 62.7 62.7 62.7 62.7 62.7 62.7	R 2461-0  PHOR 2401-0  HOR 2401-7  47.9 18.7  42.5 29.42.5 35.42.5  53.1 19.5  53.2 12.47.9 30.5  53.3 26.7  53.4 15.4  36.9 36.7  36.9 36.7  37.2 21.3  38.0 31.3  37.2 33.3  38.9 36.3  37.2 41.3  38.9 36.3  38.9 36.3  38.9 36.3  38.9 38.8  37.2 41.3	POD 5  V 2 - 2 - 2 - 4  S ALPHA 0  1 6 - 2 - 4  1 6 - 2 - 5  2 4 - 5  2 4 - 5  2 4 - 5  2 4 - 5  2 4 - 5  3 1 - 5  4 8 . 7  4 8 . 7  4 8 . 7  4 8 . 7  5 8 . 7  6 8 . 3	SEQUENCE NO 2  PTH AZ -69.385 116.4  SCALE PT. 0. 0. 103.87906 1. 106.42620 2. 71.80510 3. 76.70691 4. 77.68431 5. 84.44731 6. 82.72275 7. 76.75122 8. 78.73951 97. 89.72074 1. 66.97450 12 70.32286 13 74.97965 14 81.45964 15 66.13799 15 66.13799 15 88.91291 18 88.91291 18 88.91291 18	278  256  -PT
JULY 31,13  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965  2 -12.009  3 -9.666  4 -9.544  5 -9.413  6 -11.951  7 -14.707  8 -14.667  9 -14.669  10 -12.075  11 -9.666  12 -7.832  13 -7.680  14 -7.513  15 -7.328  16 -7.117  17 -9.271  18 -11.901  19 -14.765  20 -17.977  21 -17.757	100 H 13 HR 17 DATA  LON	20 MIN 23  RANGE 799.82746 770.69014 737.76468 752.54232 831.56514 801.31216 783.86130 754.90757 737.76488 726.33260 731.19813 745.50938 670.53539 808.01080 817.51205 840.01992 877.30062 933.26611 881.28831	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -42.8 -32.0 -17.9 -25.0 -39.7 -9.9 -68.9 -78.7 -82.3 -84.2 -7.9 -43.3	MS  AZN 6.3 6.4 8.5 5.5 10.2 7.6 5.0 4.3 3.8 2.0 4.8 7.4 8.7 10.5 12.8 15.7	SEC TO 325.  AZSUN -82.4 -80.8 -80.8 -81.1 -81.3 -81.3 -81.8 -82.7 -81.8 -82.7 -81.8 -80.6 -80.5 -80.6 -80.5 -80.2 -83.0 -87.5	TAB NO IMPACT 052  AZA 52.0 48.5 43.3 8.6 43.3 53.1 48.5 7.3 53.1 49.3 236.0 34.3 38.9 34.2 36.0 34.3 38.9 43.2	136  ALT 725.61036  37.07980 36.62652 34.74602 35.59392 36.63673 37.16172 39.16461 37.90030 36.88693 35.70771 34.74602 35.35437 33.73525 34.88553 35.82871 37.03630 37.92570 39.18210 40.76677 42.81686	ATL  LA  -6.  8/A  0.985  0.9911  0.873  0.8648  0.901  0.992  0.985  0.993  0.977  0.935  0.866  0.9764  0.6758	-82.2  AS PHOTO  T 1953 -28  -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.3 -102.2	NO 1 INCD 68.3 65.1 64.6 67.1 68.5 64.6 67.7 68.7 69.4 69.9 69.9 71.5 72.7 72.7	136  R 2461-0' PHAZ EMI 40.7 30. 47.6 23. 53.2 12. 47.9 18. 42.5 25. 42.5 25. 42.5 35. 47.9 30. 53.3 26. 53.1 19. 53.2 12. 58.9 3. 53.7 8. 48.4 15. 48.4 15. 38.0 31. 37.2 31.	POD 5 56 2.274 56 2.774 56 2.776 56 2.776 56 2.776 57 24.4 57 24.4 57 24.4 58 27 8.3 68 27 6.8 68 23.6 68 29.0 68 29.0	SEQUENCE NO 2  PTH AZ -69.385 116.4  SCALE PT. 0. 0. 103.87906 1. 106.42620 2. 71.80510 3. 76.70691 4. 77.68431 5. 84.44731 6. 82.72275 7. 76.75122 8. 78.13577 10. 89.72074 1. 66.97450 12. 70.32286 13. 74.97965 14. 81.45964 15. 66.13799 16. 81.10365 17. 88.91291 18. 100.61172 19. 97.89607 20. 87.40943 21.	278  256  -PT 1 - 2 - 3 - 5 - 6 - 7 - 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 17 - 18 - 19 - 20 - 21 - 22
JULY 31,13  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.413 6 -11.951 7 -14.70 8 -14.6672 9 -14.6672 9 -14.669 10 -12.075 11 -9.666 12 -7.832 13 -7.680 14 -7.513 15 -7.328 16 -7.117 17 -9.271 18 -11.901 19 -14.765 20 -17.977 21 -17.757 -22 -17.613 23 -17.523	1064 13 HR 14 DATA  14 LON 19.874 -23.207 -25.873 -23.472 -20.058 -20.532 -20.058 -20.532 -25.501 -25.503 -25.873 -25.873 -21.873 -21.873 -21.873 -21.873 -21.873 -22.826 -26.000 -21.175 -17.601 -16.939 -16.056 -19.444 -22.469 -22.269	20 MIN 23  RANGE 799.82746 770.63014 737.76488 752.54232 778.49564 708.33985 831.58514 860.31216 783.86130 754.90757 737.76488 726.33260 731.19813 745.50986 770.535398 808.010992 877.30062 933.26611 881.28831 886.97498	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -42.8 -32.0 -17.9 -25.0 -39.7 -9.9 -68.9 -78.7 -82.3 -84.2 -60.5 -50.9 -43.3 -35.4 -25.6	AZN 6.3 8 5.5 7.5 7.0 2.0 9.1 12.8 12.4 9.18	SEC TO 325.  AZSUN -82.4 -81.8 -80.8 -81.1 -81.8 -82.4 -83.8 -82.7 -81.8 -80.6 -80.5 -80.6 -80.5 -80.5 -80.6 -80.5 -80.6 -80.5 -80.6 -80.5 -80.6 -80.5 -80.6	TAB NO IMPACT 052  A2.49 48.05 43.3 45.3 45.3 45.3 45.3 45.3 45.3 45.	136  ALT 725.61036  37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 35.71071 34.74602 32.35437 33.73525 35.82871 37.03630 37.92570 39.18210 40.76677 42.81686 40.94633 339.49862	8/A 0.916 0.953 0.953 0.911 0.873 0.873 0.823 0.901 0.985 0.901 0.995 0.995 0.96	-82.2  AS PHOTO  T 1953 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -84.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -96.3 -102.2 -101.1 -100.1	NO 1 NCD 68.3 65.1 64.6 67.1 68.5 65.8 62.3 62.3 62.0 64.3 67.7 69.5 69.4 69.4 69.4 69.5 69.6 6	136  R 2461-0  PHAZ EMI 40.7 30.7  47.6 23. 53.2 12- 47.9 18. 42.5 25. 42.2 29. 42.5 35. 47.9 30. 53.3 26. 53.1 19. 53.2 12. 58.9 3. 53.7 8. 48.4 15. 43.1 23. 38.0 31. 37.2 41. 38.2 47. 43.4 42. 48.6 37. 34.4 45.	POD 5  66 2-274  60 2-706  61 6-27  61 6-27  62 6-28  63 2-70  63 2-70  64 8-7  60 0-88  70 0	SEQUENCE NO 2  PTH AZ  -69.385 116.1  SCALE PTO 0.  103.87906 1.  106.42620 2.  71.80510 3.  76.70691 4.  77.68431 5.  84.44731 5.  84.44731 6.  82.72275 7.  76.75122 8.  73.13577 10.  89.7274 11.  66.97450 12.  70.32286 13.  74.97965 14.  81.45994 15.  66.13799 16.  81.10365 17.  88.91291 18.  100.61172 19.  97.88607 20.  87.40943 180.41675 22.	278  056  -PT
JULY 31,15  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -9.413 6 -11.951 7 -14.701 8 -14.672 9 -14.669 10 -12.075 11 -9.666 12 -7.832 16 -7.117 17 -9.271 18 -11.901 19 -14.765 20 -17.977 21 -17.757 22 -17.613 23 -17.523	204 13 HR LY DATA  LON -19.874 -23.207 -25.873 -24.472 -20.908 -20.532 -20.058 -22.882 -25.501 -25.501 -25.501 -25.168 -21.175 -18.472 -18.115 -17.601 -16.939 -16.939 -16.956 -19.444 -22.489 -25.252 -27.872	20 MIN 23  RANGE 799.82746 770.69014 7137.76488 752.54232 778.33985 831.58514 801.31216 783.86130 754.90757 737.76488 776.33260 7731.19813 745.50986 8070.3080 808.01080 817.51205 840.01992 877.30062 933.26611 881.288318	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8 -32.0 -17.9 -25.0 -17.9 -782.3 -84.2 -72.4 -60.5 -50.9 -33.3 -35.4 -13.9 -1.0	AZN 6.3 6.4 6.3 8.8 5.5 7.1 7.6 0.3 3.8 8.7 10.2 7.6 0.4 3.8 5.7 10.5 10.2 15.7 10.5 12.4 6.1 15.7 12.4 2.6 0.1 2.6 0.1 2.	SEC TO 325.  AZSUN -80.8 -80.8 -81.1 -81.3 -81.3 -81.3 -81.8 -80.8 -80.5 -80.6 -80.5 -80.6 -80.5 -80.2 -85.5 -85.5 -83.9 -82.5 -81.4	TAB NO IMPACT 052  AZA 48.0 48.0 48.0 48.0 52.3 38.6 47.6 357.3 57.3 57.3 49.3 49.2 38.9 49.2 30.0 338.9 47.2 51.6 61.4	136  ALT 725.6103i A- 37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 35.70771 34.74602 32.35437 37.93530 37.9257 39.918210 40.76677 42.81686 40.94633 39.49862 38.35486 39.49862 38.35486	ATL  LA: 8/A 0.998 0.916 0.793 0.911 0.673 0.911 0.673 0.901 0.949 0.991 0.997 0.993 0.901 0.949 0.901 0.977 0.935 0.802 0.801 0.805 0.806 0.806	-82.2  AS PHOTO  T	NO DN -413 INCD 68.3 65.1 67.7 68.5 67.2 68.3 63.3 59.8 64.3 66.7 70.6 770.6 770.6 770.6	136  R 2461.0  PHAZ EMI 40.7 30.7  47.6 23.5  53.2 12.  47.9 18.  42.5 25.  42.5 35.  47.9 30.  53.3 26.  53.1 19.  53.2 12.  58.9 3.  53.7 8.  48.4 15.  43.1 23.  36.9 36.  31.3 36.9 36.  37.2 41.  38.2 47.  43.4 42.  43.4 42.  43.8 47.  53.9 34.  59.0 33.	POD 5  V 2 - 2 - 2 - 4  S 1 - 4 - 5 - 5 - 2 - 4 - 5  V 2 - 5 - 2 - 5 - 5  V 3 - 5 - 2 - 5 - 5  V 4 - 5 - 5 - 2 - 5  V 5 - 6 - 8 - 7  V 6 - 8 - 7  V 7 - 6 - 8 - 7  V 7 - 7  V 8 - 7  V 8 - 7  V 8 - 7  V 9 - 7  V	SEQUENCE NO 2  PTH AZ  -69.385 116.4  SCALE PT.  0. 0.  103.87906 1.  106.42620 2.  71.80510  76.70691 47.  77.68431 5.  84.44731 6.  82.72275 7.  76.75122 87.  78.79551  73.13577 10  89.72074 1.  66.97450 12  70.32286 13  74.97965 14  81.45964 15  66.13799 16  81.10365 17  88.91291 18  100.61172 19  97.89607 23  80.41675 22  80.41675 22  86.41675 22  86.41675 27  575.68921 23	278  056  -PT - 1 - 2 - 3 - 5 - 6 - 7 - 8 - 9 - 10 -11 -12 -13 -14 -17 -18 -19 -20 -21 -22 -22
JULY 31,15  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965 2 -12.009 3 -9.666 4 -9.544 6 -11.951 7 -14-701 8 -14-672 9 -14-672 9 -14-672 11 -9.666 12 -7.832 13 -7.680 14 -7.213 15 -7.328 16 -7.17 17 -9.271 18 -14-701 19 -14-701 20 -17-77 21 -17-77 21 -17-75 22 -17-688	1064 13 HR 14 DATA  14 LON 19.874 23.207 25.873 23.472 20.058 20.25.501 25.873 25.873 25.873 26.873 27.872 28.264 26.000 21.175 17.601 16.939 18.056 19.444 22.469 225.27,872	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.49564 798.33985 801.31216 783.86130 754.90157 737.76488 765.3986 770.535398 807.01399 808.010992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 840.01992 877.30062 933.26611 861.28831 864.97498 818.888316	AZS/C -29.4 -42.0 -39.7 -58.1 -67.2 -53.2 -42.8 -32.0 -17.9 -25.0 -39.7 -9.9 -68.9 -78.7 -82.3 -42.3 -42.4 -60.5 -50.9 -43.3 -32.6 -13.9	AZN 36.3 8 8 5 7 1.1 8 2.0 9 4.3 3.4 8 6.1 17.5 12.8 8 11.2 9.1 12.4 2.0 2.3	SEC TO 325.  AZSUN -82-8 -80.8 -80.8 -81.1 -81.3 -82.4 -83.0 -85.0 -80.5 -80.6 -80.5 -80.5 -80.5 -80.5 -80.2 -81.4 -83.0 -87.5 -80.8 -80.5 -80.2 -81.4 -83.0 -87.5 -80.8 -80.5 -80.2 -80.8 -80.5 -80.2 -80.8 -80.5 -80.2 -80.8 -80.5	TAB NO IMPACT 052  A2.49 48.05 43.3 45.3 45.3 45.3 45.3 45.3 45.3 45.	136  ALT 725.61036  37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 35.71071 34.74602 32.35437 33.73525 35.82871 37.03630 37.92570 39.18210 40.76677 42.81686 40.94633 339.49862	ATL  LA 3 -6.*  8/A 0.916 0.985 0.911 0.895 0.911 0.895 0.911 0.977 0.935 0.991 0.977 0.935 0.966 0.991 0.977 0.935 0.966 0.960 0.977 0.977 0.975	-82.2  AS PHOTO  T 1953 -28  AZPHAZ -93.6 -90.2 -85.6 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -84.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -96.3 -102.2 -96.3 -102.3 -98.7 -99.7	NO INCD 68.3 65.1 62.3 64.6 67.1 67.7 68.5 65.8 63.3 62.0 64.3 64	136  R 2461-0  PHAZ EMI 40.7 30.7  47.6 23. 53.2 12- 47.9 18. 42.5 25. 42.2 29. 42.5 35. 47.9 30. 53.3 20. 53.3 20. 53.3 20. 53.1 19. 53.2 12. 58.9 3. 53.7 8. 48.4 15. 43.1 23. 38.0 31. 37.2 41. 38.2 47. 43.4 42. 48.6 37.	POD 5  66 2-274  60 2-706  61 6-27  61 6-27  62 6-27  63 6-27  64 8-7  72 24-4  73 14-8  74 23-1  75 24-5  76 23-6  76 23-6  76 23-6  77 24-6  77 23-1  78 27 23-6  78 23-6  7	SEQUENCE NO 2  PTH AZ  -69.385 116.1  SCALE PTO 0.  103.87906 1.  106.42620 2.  71.80510 3.  76.70691 4.  77.68431 5.  84.44731 5.  84.44731 6.  82.72275 7.  76.75122 8.  73.13577 10.  89.7274 11.  66.97450 12.  70.32286 13.  74.97965 14.  81.45994 15.  66.13799 16.  81.10365 17.  88.91291 18.  100.61172 19.  97.88607 20.  87.40943 180.41675 22.	278  056  -PT - 1 - 2 - 3 - 5 - 6 - 7 - 8 - 9 - 10 - 112 - 113 - 114 - 115 - 116 - 117 - 118 - 119 - 1
JULY 31,15  TRAJECTOR  PHOTO DAI  PT LAT 1 -10.965 2 -12.009 3 -9.666 4 -9.544 6 -11.951 7 -14.761 8 -14.672 9 -14.666 12 -7.832 13 -7.680 14 -7.251 15 -7.328 16 -7.17 17 -9.271 18 -11.901 19 -14.765 20 -17.977 21 -17.757 -22 -17.618 23 -17.523 24 -17.477 25 -14.688 26 -12.146	1064 13 HR 14 DATA  14 LON -19.874 -23.207 -25.873 -23.472 -20.9058 -20.532 -20.5058 -22.882 -25.501 -25.501 -25.673 -25.873 -25.873 -21.872 -18.472 -18.115 -17.601 -16.939 -16.056 -24.464 -21.175 -18.472 -24.873 -27.872 -27.872 -27.872 -27.872 -27.872 -27.872 -28.073 -28.173	20 MIN 23  RANGE 799.82746 770.69014 737.76488 752.54232 778.49564 801.31216 783.86130 754.9075 737.76488 817.550986 770.53539 808.01080 817.51205 840.01992 877.30062 933.26611 881.28831 886.97496 818.88316 777.46928 749.47534	AZS/C -29,4 -42,0 -39,7 -58,1 -67,2 -53,2 -42,8 -32,0 -17,9 -9,9 -68,9 -78,7 -82,3 -32,0 -17,0 -39,7 -9,9 -68,9 -78,7 -82,3 -35,4 -13,9 -11,0 -1,3	AZN 6.3 6.4 6.3 6.4 6.3 6.4 6.3 6.4 6.3 6.4 6.3 6.1 6.2 6.3 6.1 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	SEC TO 325.  AZSUN -82.4 -81.8 -80.8 -81.1 -81.8 -82.7 -81.8 -82.7 -81.8 -80.6 -80.5 -80.6 -80.5 -80.6 -80.5 -80.6 -80.5 -80.6 -80.5 -80.6 -80.5 -80.6 -80.5	TAB NO IMPACT 052 A2A9 48.05 438.0 438.3 452.3 452.3 48.5 53.3 48.5 345.2 934.2 934.2 934.2 934.2 934.2 934.2 934.3 934.2 934.3 934.3 934.3	136  ALT 725.61036  37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 34.74602 35.72771 34.74602 36.38693 35.71771 34.74602 37.92570 40.76677 42.81686 40.94633 39.498162 38.35486 37.44475 36.07081 34.96158 34.96158	ATL  LA' 3 -6.' 8 (98) 0.916 0.823 0.823 0.823 0.823 0.823 0.849 0.901 0.873 0.882 0.901 0.977 0.935 0.882 0.901 0.902 0.902 0.902	-82.2  AS PHOTO  T 1953 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.0 -84.2 -96.3 -79.0 -84.2 -96.3 -102.2 -96.3 -98.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2 -90.2 -80.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.3	NO INCD 68-3 65-1 62-3 64-6 68-5 65-8 62-7 68-5 62-7 69-5 69-9 70-6 64-0 64-	136  R 2461-0  PHAZ EMI 47.6 23-53.2 12-47.9 18-42-5 25-42-2 29-42-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 33-1 19-5 34-5 19-5 19-5 19-5 19-5 19-5 19-5 19-5 19	POD 5  ALPHA 0 2.74  5 ALPHA 0 16.2  4 16.5  5 24.5  7 24.4  4 16.5  7 24.4  8.7  7 23.1  8.3  8.7  9 0 0.8  15.8  10.3  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4	SEQUENCE NO 2  PTH AZ  -69.385 116-1  O. 0  103.87906 1  106.42620 2  71.80510 3  76.70691 4  77.68431 5  84.44731 6  82.72275 7  76.75122 8  73.13577 10  66.97450 12  73.13577 10  66.97450 12  73.13577 10  66.97450 12  70.32286 13  74.97965 14  81.4594 15  66.13799 16  66.13799 16  66.13799 16  68.101365 17  88.91291 18  100.61172 19  97.89607 20  88.40343 21  73.68821 23  84.55844 24  77.03961 25  71.66855 26	278  056  -PT - 1 - 2 - 3 - 5 - 6 - 7 - 8 - 9 - 110 - 115 - 116 - 117 - 118 - 118 -
JULY 31,15  TRAJECTOR  PHOTO DAI  PT LAT  1 -10.965 2 -12.009 3 -9.666 4 -9.544 5 -91.4.701 8 -14.672 9 -14.679 10 -12.075 11 -9.666 12 -7.832 13 -7.680 14 -7.513 15 -7.328 16 -7.117 17 -9.271 18 -11.901 19 -14.765 20 -17.977 21 -17.757 22 -11.613 23 -17.523 24 -17.477 25 -14.688	1064 13 HR 14 DATA  14 LON -19.874 -23.207 -25.873 -23.472 -20.9058 -20.532 -20.5058 -22.882 -25.501 -25.501 -25.673 -25.873 -25.873 -21.872 -18.472 -18.115 -17.601 -16.939 -16.056 -24.464 -21.175 -18.472 -24.873 -27.872 -27.872 -27.872 -27.872 -27.872 -27.872 -28.073 -28.173	20 MIN 23  RANGE 799.82746 770.63014 737.76488 752.54232 778.39985 831.58514 801.31216 783.86130 754.90757 737.76488 770.53539 808.01080 817.51205 840.01992 877.30062 933.26611 881.28831 86.37496 826.87798 818.88316 777.46928	AZS/C -29,4 -42,0 -39,7 -58,1 -67,2 -53,2 -42,8 -32,0 -17,9 -9,9 -68,9 -78,7 -82,3 -39,7 -9,9 -43,3 -35,4 -25,6 -13,9 -11,0 -1,3 -1,8	AZN 6.3 6.4 6.3 6.4 6.3 6.4 6.3 6.4 6.3 6.4 6.3 6.1 6.2 6.3 6.1 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	SEC TO 325.  AZSUN -80.8 -80.1 -81.8 -81.1 -81.3 -81.3 -81.2 -80.8 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6	TAB NO IMPACT 052 A2A9 48.05 438.0 438.3 452.3 452.3 48.5 53.3 48.5 345.2 934.2 934.2 934.2 934.2 934.2 934.2 934.3 934.2 934.3 934.3 934.3	136  ALT 725.61036  37.07980 36.62652 34.74602 35.59392 36.63459 37.76172 39.16461 37.90030 36.88693 37.37572 34.37602 34.375525 34.85055 35.82871 37.03630 37.92570 39.18210 40.76677 42.81686 40.94633 39.49862 38.35486 37.44475 36.07081 34.99158	ATL  LA' 3 -6.' 8 (98) 0.916 0.823 0.823 0.823 0.823 0.823 0.849 0.901 0.873 0.882 0.901 0.977 0.935 0.882 0.901 0.902 0.902 0.902	-82.2  AS PHOTO  T 1953 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.0 -84.2 -96.3 -79.0 -84.2 -96.3 -102.2 -96.3 -98.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2 -90.2 -80.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.2 -90.3 -90.3	NO INCD 68-3 65-1 62-3 64-6 68-5 65-8 62-7 68-5 62-7 69-5 69-9 70-6 64-0 64-	136  R 2461-0' PHAZ EMI 40.7 30.' 47.6 23 53.2 12 47.9 18 42.2 29. 42.5 35 47.9 30. 53.3 26. 53.1 19. 53.2 12. 58.9 3. 36.9 3. 38.0 31. 37.2 43. 38.0 31. 37.2 43. 38.0 31. 37.2 43. 38.9 36. 37.2 41. 38.2 47. 43.4 62. 53.9 34. 59.0 33. 58.6 25.	POD 5  ALPHA 0 2.74  5 ALPHA 0 16.2  4 16.5  5 24.5  7 24.4  4 16.5  7 24.4  8.7  7 23.1  8.3  8.7  9 0 0.8  15.8  10.3  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4  10.4	SEQUENCE NO 2  PTH AZ -69.385 116.4  SCALE PT. 0. 0. 103.87906 1. 100.42620 2. 71.80510 3. 76.70691 47. 77.68431 5. 84.44731 6. 82.72275 7. 76.75122 87.87951 9. 73.13577 10. 89.72074 11. 66.97450 12. 70.32286 13. 74.97965 14. 81.45984 16. 81.45984 16. 81.45984 18. 100.61172 19. 97.89807 20. 88.41675 27. 88.455844 27. 88.455842 23.	278  056  -PT - 1 - 2 - 3 - 5 - 6 - 7 - 8 - 9 - 110 - 115 - 116 - 117 - 118 - 118 -

				RA-VII	CAMERA	FA								69
JULY 31,1964 13 HR	20 MIN 28	SEC 867	MS		TAB NO	137	ATL	AS PHOT	D NO	137		POD	SEQUENCE NO	280
TRAJECTORY DATA					IMPACT	ALT 714.7043	LA		.DN		R	v	PTH	AZ
PHOTO DATA				319.	. 932	/14./043	5 -6.	995 -28	. 327	245	0.160	2.278	-69.324 11	6,043
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A					ALPHA		PT-PT
	787.88943	-29.5	6.2	-82.1	52.7	36.53376		-93.6				26.9	0.	0- 1
2 -11.992 -23.161 3 -9.683 -25.788	759.37784 726.85585	-42.1 -39.9	6.4 3.8	-81.8 -80.9	47.9 48.4	36.08891 34.23225		-90.2 -85.6		53.2		16.3	101.99852	
4 -9.562 -23.422	741.49544	-58.1	5.5	-81.1	43.3	35.07139		-85.2		47.9		8.8 16.5	104.88318	2- 3
5 -9.434 -20.895	767.10675	-67.2	7.1	-81.3	38.6	36.09861		-84.7		42.5		24.5	75.59564	4-5
6 -11.935 -20.525	786.65833	-53.2	8.5	-82.4	43.2	37.20920	0.873	-90.2	67.7	42.2	29.7	24.4	76.54696	5- 6
7 -14.643 -20.059 8 -14.614 -22.840	819.34498	-42.9	10.1	-83.8		38.58814		-95.7		42.5		23.1	83.17984	6- 7
9 -14.611 -25.421	789.49120 772.21528	-32.2 -18.1	7.6 5.0	-82.8 -81.8	52.1 57.1	37.34116 36.33885		-95.2 -94.8		47.9 53.3		14.9	81.51342 75.63377	7- 8 8- 9
10 -12.056 -25.621	743.74510	-25.2	4.3	-81.3	52.9	35.17973		-90.2		53.1		8.3		9-10
11 -9.683 -25.788	726.85585	-39.9	3.8	-80.9	48.4	34.23225	0.985	-85.6	62.4	53.2	12.5	8.8	72.05425	
12 -7.876 -28.108 13 -7.726 -25.914	715.44942	-11.8	2.0	-80.5	49.1	31.87153		-82.2	59.9	58.9	3.1	1.0	88.40338	
13 -7.726 -25.914 14 -7.562 -23.612	720.35250 734.52938	-68.8 -78.6	3.4 4.8	-80.6 -80.6		33.24265 34.33711		-81.6 -80.9		53.7 48.4		8.3 15.9	65.98399 69.29896	
15 -7.379 -21.158	759.22412	-82.2	6.1	-80.5		35.30259		-80.0		43.1			73.88939	
16 -7.171 -18.495	796.13221	-84.1	7.4	-80.2		36.49169	0.882	-79.0		36.0		31.3	80.25502	
17 -9.294 -18.143	805.53269	-72.4	8.7	-81.4	34.3	37.36996		-84.2		37.2			65.17277	16-17
18 -11.885 -17.637 19 -14.706 -16.987	827.69747 864.32928	-60.5 -50.9	10.5	-83.0 -85.0		38.60743		-90.2		36.9			79.91075	
20 -17.867 -16.124	919.21365	-43.3	12.7 15.6	-87.4	47.2	40.16412 42.17218		-96.3		37.2 38.2			87.56135 98.97333	
21 17.651 19.457	848.13162	-35.5	12.3			40.33496			69.5	43.4	42.0	20.4	96.36608	
22 -17.509 -22.435	834.32756	-25.7	9.1	-84.0	>0.0	30.70066	0.807	100.1	66.6	48.6	37.6	12.1	86.10528	
23 -17.420 -25.176	814.47257	-14-1	5.8	-82.6		37.77837		-99.3		53.9		4.1	79.23163	
24 -17.374 -27.755 25 -14.629 -27.862	806.44183 765.78972	-1.2 -1.5	2.6	~81.3 -80.9	66.0 62.4	36.87574 35.52893		-98.7 -94.4		59.0 58.6		-3.6	74.56002	
26 -12.126 -27.955	738.27225	-2.2	2.2	-80.7	58.4	34.43904		-90.2		58.4		-0.9	83.21411 75.86426	
27 -9.797 -28.040	721.85387	-3.9	2.1	-80.5	52-2	33.27593		-85.9		58.5		1.2	70.57475	
28 -7.876 -28.108	715.44942	-11.8	2.0	-80.5	49.1	31.87153	040	-82.2		58.9		1.0	58.22610	
						31.01123	0.,0,	-02.2	2767	20.7	,	1.0	30.22010	21 20
NII V 31 1044 13 HB	20 MTH 32	£££ 007			TAB NO	138		AS PHOTO			,,,		SEQUENCE NO	
JULY 31,1964 13 HR	20 MIN 33	SEC 987	MS	•	TAB NO	138	ATL	AS PHOTO	NO NO			POD S	SEQUENCE NO	282
TRAJECTURY DATA	20 MIN 33	SEC 987	MS	SEC TO	TAB NO		ATL/	AS PHOTO		138	R	POD S	SEQUENCE NO	282 AZ
TRAJECTURY DATA			MS	SEC TO 314.	TAB NO	138 ALT 703.78394	ATL/	AS PHOTO T L 038 -26	0 NO	138 243	R 19•239	POD 9	PTH -69.264 11	282 AZ 6.031
TRAJECTURY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	MS AZN	SEC TO 314.	TAB NO	138 ALT 703.78394	ATL/ LA1 4 -7.0	AS PHOTO  T L  038 -28	ON ON .239	138 243 PHAZ	R 19.239 EMIS	POD 5	PTH -69.264 11	282 AZ 6.031 PT-PT
TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.949 -19.908	RANGE	AZS/C	MS	SEC TO 314.	TAB NO IMPACT .812 AZA 52.5	ALT 703.78394 A* 35.98765	ATL/ LA1 4 -7.0	AS PHOTO  T L  038 -28  AZPHAZ  -93.6	ON 1.239 INCD 68.3	243 PHAZ 40-7	R 19.239 EMIS 29.8	POD S V 2.282 ALPHA 26.9	PTH -69.264 11 SCALE	282 AZ 6.031 PT-PT 0- 1
TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702	RANGE 775.93341 748.06604 715.93944	AZS/C -29.7 -42.2 -40.2	AZN 6.2 6.4 3.8	SEC TO 314. AZSUN -82.2 -81.9 -80.9	TAB NO  IMPACT .812  AZA 52.5 47.8 48.2	ALT 703.78394 A• 35.98765 35.55133 33.71813	ATL/ 6 -7.0 8/A 0.898 0.916 0.985	AS PHOTO  T L  038 -28	ON 1.239 INCD 68.3 65.2 62.5	243 PHAZ 40.7 47.6 53.2	R 19.239 EMIS 29.8 23.6 12.6	POD 5	PTH: -69.264 11 SCALE 0. 100.06129	282 AZ 6.031 PT-PT
TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10-949 -19-908 2 -11-975 -23-112 3 -9-700 -25-702 4 -9-581 -23-370	RANGE 775.93341 748.06604 715.93944 730.44758	AZS/C -29.7 -42.2 -40.2 -58.1	AZN 6.2 6.4 3.8 5.5	SEC TO 314. AZSUN -82.2 -81.9 -80.9 -81.1	TAB NO  IMPACT .812  AZA 52.5 47.8 48.2 43.2	ALT 703.78394 A* 35.98765 35.55133 33.71813 34.54880	ATL/ LA1 -7.0 8/A 0.898 0.916 0.985 0.953	AS PHOTO  T L  038 -28  AZPHAZ  -93.6  -90.2  -85.6  -85.2	ON 1.239 INCD 68.3 65.2 62.5	243 PHAZ 40.7 47.6 53.2 47.9	R 19.239 EMIS 29.8 23.6 12.6 18.5	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6	PTH -69.264 11 SCALE 0. 100.06129 103.34218 69.72301	282 AZ 6.031 PT-PT 0-1 1-2 2-3 3-4
TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880	RANGE 775-93341 748-06604 715-93944 730-44758 755-72580	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1	AZN 6.2 6.4 3.8 5.5 7.1	SEC TO 314. AZSUN -82.2 -81.9 -80.9	TAB NO  IMPACT.812  AZA 52.5 47.8 48.2 43.2 38.6	ALT 703.78394 A• 35.98765 35.55133 33.71813 34.54880 35.56298	ATL/ LA1 4 -7.0 8/A 0.898 0.916 0.985 0.953 0.911	AS PHOTO  T L  038 -28  AZPHAZ  -93.6  -90.2  -85.6  -85.2  -84.7	ON .239 INCD 68.3 65.2 62.5 64.7 67.2	243 PHAZ 40.7 47.6 53.2 47.9 42.5	R 19.239 EMIS 29.8 23.6 12.6 18.5 25.5	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5	PTH: -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769	282 AZ 6.031 PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057	RANGE 775.93341 748.06604 715.93944 730.44758	AZS/C -29.7 -42.2 -40.2 -58.1	AZN 6.2 6.4 3.8 5.5 7.1 8.5	SEC TO 314. AZSUN -82.2 -81.9 -80.9 -81.1 -81.3	TAB NO  IMPACT.812  AZA 52.5 47.8 48.2 43.2 38.6 43.2	ALT 703.78394 A* 35.98765 35.55133 33.71813 34.54880	ATL/ B/A 0.898 0.916 0.985 0.953 0.911 0.873	AS PHOTO  T L 038 -28  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2	ON .239 INCD 68.3 65.2 62.5 64.7 67.2 67.8	243 PHAZ 40.7 47.6 53.2 47.9 42.5 42.2	R 19.239 EMIS 29.8 23.6 12.6 18.5 25.5 29.7	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5 24.4	PTH: -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769	282 6.031 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.949 -19.908  2 -11.975 -23.112  3 -9.700 -25.702  4 -9.581 -23.370  5 -9.455 -20.880  6 -11.918 -20.515  7 -14.586 -20.515  8 -14.557 -22.797	RANGE 775.93341 748.06604 715.93944 730.44758 755.72580 774.98711 807.12052 777.67448	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3	AZN 6.2 6.4 3.8 5.5 7.1 8.5 10.1 7.5	SEC TO 314.  AZSUN -82.2 -81.9 -80.1 -81.3 -82.4 -83.8 -82.8	TAB NO  IMPACT.812  AZA 52.5 47.8 48.2 43.2 38.6 43.2 47.4 52.0	ALT 703.78394 A. 35.98765 35.55133 33.71813 34.54880 35.56298 36.65717 36.78221	ATL/ LAN 0.894 0.916 0.985 0.953 0.911 0.873 0.824 0.868	AS PHOTO T L 038 -28 AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7	ON .239 INCD 68.3 65.2 62.5 64.7 67.2 67.8 68.5	243 PHAZ 40.7 47.6 53.2 47.9 42.5	R 19.239 EMIS 29.8 23.6 12.6 12.5 25.5 29.7 35.3	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5	PTH: -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769	282 AZ 6.031 PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.557 8 -14.557 -22.797 9 -14.553 -25.338	RANGE 775.93341 748.06604 715.93944 730.44758 755.72580 774.98711 807.12052 777.67448 760.56559	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4	AZN 6.2 6.4 3.8 5.5 7.1 8.5 10.1 7.5 5.0	SEC TO 314.  AZSUN -82.2 -81.9 -80.9 -81.1 -81.3 -82.4 -83.8 -82.8 -81.9	TAB NO  IMPACT .812  AZA 52.5 47.8 48.2 43.2 43.2 47.4 52.0 56.8	ALT 703.78394 A. 35.98765 35.55133 33.71813 34.54880 35.56298 36.65717 38.01242 35.79059	ATL/ B/A 0.898 0.916 0.953 0.911 0.873 0.824 0.868	AS PHOTO T L 038 -28 AZPHAZ -93.6 -90.2 -85.6 -85.2 -90.2 -95.7 -95.2	ON .239 INCD 68.3 65.2 62.5 64.7 67.2 67.8 68.5 65.9 63.4	243 PHAZ 40.7 47.6 53.2 47.9 42.5 42.5 42.2 42.5 953.3	R 39.239 EMIS 29.8 23.6 12.6 18.5 25.5 29.7 35.3 26.6	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5 24.4 23.1 14.9	PTH: -69.264 11  SCALE 0.0006129 103.34218 69.72301 74.68769 75.4111 81.91573 80.30914 74.51826	282 AZ 6.031 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8
TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.949 -19.908  2 -11.975 -23.112  3 -9.700 -25.702  4 -9.581 -23.370  5 -9.455 -20.880  6 -11.918 -20.515  7 -14.556 -20.057  8 -14.557 -22.797  9 -14.553 -25.338  10 -12.037 -25.536	RANGE 775.93341 748.06604 715.93944 730.44758 755.72580 774.98711 807.12052 777.67448 760.56559 732.57619	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5	AZN 6.2 6.4 3.8 5.5 7.1 8.5 10.1 7.5 5.0 4.3	SEC TO 314.  AZSUN -82.2 -81.9 -80.9 -81.1 -81.3 -83.8 -82.8 -81.9 -81.3	TAB NO  IMPACT .812  AZA 52.5 47.8 2.38.6 43.2 38.6 43.2 38.6 43.2 52.7	ALT 703.78394 35.98765 36.55133 33.71813 34.554880 36.65717 38.01242 36.78221 35.79059 34.65145	ATL/ 8/A 0.898 0.916 0.953 0.913 0.824 0.824 0.902	AS PHOTO T L 038 -28 AZPHAZ -93.6 -90.2 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8	ON .239 INCD 68.3 65.2 62.5 64.7 67.2 67.8 68.5 65.9	243 PHAZ 40.7 47.6 53.2 47.9 42.5 42.2 42.5 53.3 53.1	R 19.239 EMIS 29.8 23.6 18.5 25.5 29.7 35.3 30.2 26.6	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5 24.4 23.1 14.9 6.9 8.4	PTH: -69.264 11 SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 76.42386	282 AZ 6.031 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.536 11 -9.700 -25.702	RANGE 775.93341 748.06004 715.93944 730.44758 755.72580 774.98711 807.12052 777.67448 760.56559 732.57619	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5	AZN 6.2 6.4 3.8 5.5 7.1 7.5 5.0 4.3 3.8	SEC TO 314.  AZSUM -82.2 -81.9 -80.9 -81.3 -82.4 -83.8 -81.9 -81.3 -80.9 -81.3 -80.9	TAB NO  IMPACT .812  AZA 52.5 47.8 48.2 43.6 43.2 47.4 52.4 56.8 52.7	ALT 703.78394 A. 35.98765 35.55133 33.71813 34.54880 35.56298 36.65717 38.01242 36.78221 35.79059 34.65145 33.71813	ATL/ B/A 0.898 0.916 0.953 0.911 0.873 0.824 0.868 0.902 0.9485	T L 1038 - ZE - 285.2 - 90.2 - 85.6 - 90.2 - 94.8 - 90.2 - 94.8 - 90.2 - 94.8 - 90.2	INCD 68.3 65.2 62.5 64.7 67.2 67.8 68.5 65.9 63.4 62.9	243 PHAZ 40.7 47.6 53.2 47.9 42.5 47.9 53.3 53.3 53.1	R 19.239 EMIS 29.8 23.6 12.6 18.5 25.5 29.7 35.3 30.2 26.6 19.2	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5 24.5 24.1 14.9 6.9 8.8	PTH: -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 76.42386 70.977225	282  AZ 6.031  PT-PT 0-1 1-2 3-4 5-6-7 7-8 8-9 9-10 10-11
TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.536 11 -9.700 -25.702 12 -7.920 -27.987	RANGE 775-93341 748-06604 715-93944 730-44758 755-72580 774-98711 807-12052 777-67448 760-56559 732-57619 715-93944 704-55449 709-49967	AZS/C -29.7 +42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 -13.8 -68.7	AZN 6.2 6.4 3.8 5.5 7.1 8.5 10.1 7.5 5.0 4.3	SEC TO 314.  AZSUN -82.2 -81.9 -80.9 -81.1 -81.3 -83.8 -82.8 -81.9 -81.3	TAB NO  IMPACT .812  AZA 52.5 47.8 48.2 43.2 38.6 43.2 47.4 55.8 52.7 48.9	ALT 703.78394 35.98765 36.55133 33.71813 34.554880 36.65717 38.01242 36.78221 35.79059 34.65145	ATL/ B/A 0.898 0.916 0.985 0.953 0.911 0.873 0.827 0.828 0.902 0.949 0.985	AS PHOTO T L 1038 - 28 AZPHAZ - 93.6 - 90.2 - 85.6 - 95.7 - 95.7 - 95.2 - 95.2 - 95.2 - 95.2 - 95.6 - 90.2	ON -239 INCD 68-32 62-5 64-7 67-2 67-8 68-5 65-9 63-4 62-9 62-5	243 PHAZ 40.7 47.6 53.2 47.9 42.5 42.2 42.5 53.3 53.1	R 19.239 29.8 23.6 12.6 18.5 25.7 35.3 30.2 26.6 19.2 12.6	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5 24.4 23.1 14.9 8.8 6.9	PTH: -69.264 11 SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.41111 81.91573 80.30914 74.51826 76.42386 70.97225 87.08580	282 AZ 6.031 PT-PT 0-11 1-2 2-3 3-4 4-5 5-6 6-7 8-9 9-10 10-11 11-12
TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.557 -22.797 9 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.536 11 -9.700 -25.702 12 -7.920 -27.887 13 -7.773 -25.826	RANGE 775-93341 748-06604 715-93944 730-44758 755-72580 774-98711 807-12052 777-67448 760-56559 732-57619 715-93944 704-55449 704-55449 704-554789	AZS/C -29.7 +42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 +13.8 -68.7 -78.4	AZN 6.2 6.4 8 5.5 7.1 7.5 5.0 1 7.5 5.0 3.8 2.0 3.4 4.8	SEC TO 314.  AZSUN -82.2 -81.9 -80.9 -81.1 -81.3 -82.8 -81.9 -81.3 -80.9 -80.5 -80.6 -80.6 -80.6	TAB NO  IMPACT .812  AZA 52.5 47.8 48.2 43.2 38.6 43.2 47.4 52.0 56.8 52.7 48.9 45.0 38.9	138 ALT 703.78394 35.98765 35.55133 33.71813 34.54880 36.56298 36.65717 38.0122 36.78221 35.79059 34.65145 33.71813 31.38831 32.75016 33.82361	ATLA LAN 0.898 0.916 0.953 0.911 0.873 0.824 0.969 0.985 0.969 0.985 0.969	AS PHOTO T L 1038 - 28 AZPHAZ -93.6 -85.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -84.1 -82.2 -81.6	ON .239 INCD 68.3 65.2 62.5 64.7 67.2 67.8 68.5 65.9 62.9 62.5 60.0	243 PHAZ 40.7 47.9 42.5 47.9 53.3 53.3 53.2 58.9 53.7 48.4	R 19.239 EMIS 29.8 23.6 12.6 12.6 25.5 29.7 35.2 26.6 3.2 12.6	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5 24.5 24.1 14.9 6.9 8.8	PTH: -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 76.42386 70.977225	282 AZ 6.031 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.536 11 -9.700 -25.702 12 -7.920 -27.987 13 -7.773 -25.826 14 -7.611 -23.557 15 -7.430 -21.140	RANGE 775-93341 748-06004 715-93944 730-44758 755-72580 774-98711 807-12052 777-67448 760-56559 732-57619 715-93944 704-55449 709-49967 723-54789	AZS/C -29.7 +42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 -13.8 -68.7 -78.4	AZN 6.2 6.4 3.8 5.5 7.1 8.5 10.1 7.5 5.0 4.3 3.8 6.2	SEC TO 314.  AZSUN -82.2 -81.9 -81.1 -81.3 -82.8 -82.8 -82.8 -80.9 -80.5 -80.6 -80.6 -80.6	TAB NO  IMPACT 812  AZA 52.5 47.8 48.2 38.6 43.2 38.6 47.4 52.0 52.7 48.9 45.0 38.9	ALT 703.78394 35.98765 35.55133 34.54880 35.56298 36.65717 38.01242 36.78221 35.79059 34.65145 33.71813 31.38831 32.75016 33.82361 34.7679	ATL/ LAA 0.894 0.916 0.985 0.913 0.873 0.824 0.868 0.902 0.949 0.949 0.969 0.991 0.977	AS PHOTO T LE 038 - 28 AZPHAZ - 93.6 - 90.2 - 85.6 - 85.2 - 95.7 - 90.2 - 95.7 - 95.2 - 95.6 - 85.6 - 85.6 - 85.6 - 85.6 - 85.6 - 85.6 - 80.9	INCD 68.3 65.2 62.5 64.7 67.2 67.8 68.5 65.9 63.4 62.9 62.1 64.4 66.4 7	243 PHAZ 40.6 53.2 47.9 42.5 42.5 42.5 53.1 53.1 53.2 53.1 53.2 42.5	R 19.239 EMIS 29.8 23.6 18.5 25.5 29.7 30.2 26.6 19.2 19.2 8.6 10.2	POD S V 2.282 ALPHA 26.9 16.3 16.6 24.5 24.4 23.1 14.9 8.4 8.8 1.1 8.4 15.9	PTH -69.264 11 SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 76.42386 70.97225 87.08580 64.99316 68.27603	282 AZ 6.031 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.536 11 -9.700 -25.702 12 -7.920 -27.987 13 -7.773 -25.826 14 -7.611 -23.557 15 -7.430 -21.140	RANGE 775, 93341 748.06604 715.93944 730.44758 755.72580 774.98711 807.12052 777.67448 760.56559 732.57619 715.93944 704.55449 709.49967 723.54789 747.92041	AZS/C -29-7 +42-2 -40-2 -58-1 -67-1 -53-2 -43-0 -32-3 -18-4 -25-5 -40-2 -13-8 -68-7 -78-4 -82-1	AZN 6.2 6.4 3.8 5.5 7.1 7.5 5.0 4.3 3.8 2.0 4.8 6.2 7.4	SEC TO 314.  AZSUN -82.2 -81.9 -80.9 -81.1 -81.3 -82.4 -83.8 -82.8 -81.9 -81.5 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.2	TAB NO  IMPACT 812  AZA 52.5 47.8 48.2 43.2 43.2 47.4 52.0 56.8 748.9 34.9 34.4	138 ALT 703.78394 35.98765 35.55133 33.71813 34.54880 36.56298 36.65717 38.01242 36.78221 37.7813 31.38831 32.75016 33.82361 34.77679 35.4794794	ATL/ LAN -7.0 8/A 0.898 0.916 0.953 0.911 0.873 0.92 0.902 0.949 0.985 0.992 0.985 0.997 0.985	T U38 -28 AZPHAZ -93.6 AZPHAZ -93.0 2 -85.6 -95.7 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.0 -79.0	INCD 68.3 65.2 62.5 64.7 67.2 67.8 68.5 65.9 63.4 62.9 62.5 60.0 62.1 64.4 66.7	243 PHAZ 40.7 47.6 53.2 47.9 42.5 42.5 47.9 53.1 53.1 53.2 53.1 53.2 63.2 43.1 38.4	R 19.239 EMIS 29.8 23.6 18.5 25.5 29.7 330.2 26.6 19.6 25.5 29.7 31.6 20.6 20.6 20.6 20.6 20.6 20.6 20.6 20	POD S V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5 24.4 23.1 14.9 6.9 8.8 1.1 8.8 1.1 8.8 1.1 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3	SEQUENCE NO PTH - 69.264 11 SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.41111 81.91573 80.30914 74.51826 76.42386 70.97225 87.08288 64.99316 68.27603 72.80228 79.05722	282 AZ 6.031 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16
PHOTO DATA PT LAT LON 1 -10-949 -19-908 2 -11-975 -23-112 3 -9-700 -25-702 4 -9-581 -23-370 5 -9-455 -20-880 6 -11-918 -20-515 7 -14-586 -20-057 8 -14-557 -22-797 9 -14-553 -25-338 10 -12-037 -25-536 11 -9-700 -25-702 12 -7-920 -27-987 13 -7-773 -25-826 14 -7-611 -23-557 15 -7-430 -21-140 16 -7-225 -18-516 17 -9-317 -18-168 18 -111-870 -17-071	RANGE 775-93341 748-06004 715-93944 730-44758 755-72580 774-98711 807-12052 777-67448 760-56559 732-57619 715-93944 704-55449 709-49967 723-54789	AZS/C -29.7 +42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 -13.8 -68.7 -78.4	AZN 6.2 6.4 3.8 5.5 7.1 8.5 10.1 7.5 5.0 4.3 3.8 6.2	AZSUN -82.2 -81.9 -80.9 -81.1 -81.3 -82.4 -81.9 -81.3 -80.9 -81.3 -80.9 -80.6 -80.4 -80.2 -81.4 -80.2 -81.4 -80.2	TAB NO  IMPACT 812  AZA 52.5 47.4 48.2 43.2 47.4 52.0 56.8 52.7 48.9 45.0 334.4 30.2	35.98765 35.98765 35.98765 35.55133 33.71813 34.54880 35.66298 36.665717 38.01242 36.78221 36.78221 35.79059 34.65145 33.71813 31.3883 32.75016 33.82361 34.77679 35.94794	ATL/ LAA -7.0 8/A 0.898 0.916 0.953 0.973 0.873 0.873 0.873 0.969 0.969 0.977 0.935 0.853 0.853	T LE 1038 - 28 AZPHAZ - 93.6 - 85.6 - 85.6 - 95.2 - 94.8 P-90.2 - 85.6 - 85.6 - 85.6 - 80.9 P-90.2 - 81.6 - 80.9 - 80.0 - 79.0 - 84.2	NO ON -239 INCD 68.3 65.2 62.5 64.7 67.2 67.8 68.5 65.9 63.4 62.9 62.1 64.4 66.7 69.8	243 PHA27 47.6 53.9 42.5 42.5 42.5 53.1 53.1 53.1 53.1 53.1 53.1 53.1 53	R 19.239 EMIS 29.8 12.6 18.5 25.7 35.3 30.6 29.7 35.3 19.6 16.0 23.6 16.0 23.6	POD S  V 2.282  ALPHA 26.9 16.3 8.8 16.6 24.5 24.4 23.1 14.9 8.4 8.8 1.1 8.9 23.6 31.3	PTH: -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 70.97225 87.08580 64.99316 68.27603 72.80228 79.05729	282  AZ 6.031  PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.338 11 -9.700 -25.702 12 -7.920 -27.987 13 -7.773 -25.826 14 -7.611 -23.557 15 -7.430 -21.140 16 -7.225 -18.516 17 -9.317 -18.168 18 -11.870 -17.671 19 -14.647 -17.033	RANGE 775-93341 748-0604 715-93944 730-44758 755-72580 774-98711 807-12052 777-67448 760-56559 732-57619 715-93944 704-55449 709-55449 709-67723-54789 773-57432 815-40001 851-39147	AZS/C -29.7 -42.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 -13.8 -68.7 -82.1 -82.1 -84.0 -72.3 -60.5	AZN 6.2 6.4 3.8 5.5 7.1 8.5 10.1 7.5 5.0 4.3 3.8 2.0 3.4 8 6.2 7.4 8.7 10.5 12.6	SEC TO 314.  AZSUN -82.2 -81.9 -80.9 -81.3 -82.8 -82.8 -80.6 -80.6 -80.6 -80.4 -83.0 -85.0 -85.0	TAB NO  IMPACT 812  AZA 52.58 48.2 43.2 43.2 43.2 47.4 52.0 56.8 52.7 48.9 45.0 34.4 338.9 45.9 34.4	35.98765 35.98765 35.55133 33.71813 34.54880 33.71813 34.54880 36.65717 38.01242 36.78221 35.79059 34.65145 33.71813 32.75016 33.82361 34.87507 35.94794 36.81517 38.03392 39.56304	ATL/ LAA -7.( 8/A 0.894 0.916 0.985 0.953 0.817 0.817 0.868 0.902 0.945 0.969 0.969 0.969 0.969 0.969 0.969 0.985 0.969 0	T LU38 -28 AZPHAZ -93.6 -90.2 -85.6 -90.2 -85.6 -90.2 -95.7 -95.7 -95.2 -95.8 -90.2 -81.6 -80.9 -79.0 -84.2 -90.2	ON239 INC D 68.3 65.2 62.5 64.7 67.2 67.8 68.5 65.9 63.4 62.9 62.5 60.0 62.1 64.4 66.7 69.3 69.8	243 PHAZ 40-7 47-62 47-9 42-5 42-5 42-5 53-1 53-1 53-1 53-1 53-2 38-0 37-2	R 19.239 EMIS 29.8 29.8 12.6 12.6 18.5 25.5 29.7 30.6 10.6 10.6 10.6 10.6 10.6 10.6 10.6 1	POD S  V 2.282  ALPHA 26.9 16.3 8.8 16.6 24.5 24.4 23.1 14.9 8.4 8.4 8.9 23.6 31.3 32.5 32.7	SEQUENCE NO PTH - 69.264 11 SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.41111 81.91573 80.30914 74.51826 76.42386 70.97225 87.08288 64.99316 68.27603 72.80228 79.05722	AZ 6.031 PT-PT 0-1 1-2-3 3-4-5 5-6-7 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17
TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.536 11 -9.700 -25.702 12 -7.920 -27.987 13 -7.773 -25.826 14 -7.611 -23.557 15 -7.430 -21.140 16 -7.225 -18.516 17 -9.317 -18.168 8 -11.870 -17.671 19 -14.647 -17.033 20 -17.757 -16.188	RANGE 775-93341 748-06604 715-93944 730-44758 755-72580 774-98711 807-12052 777-67448 760-56559 732-57619 709-49967 723-54789 747-92041 748-27353 793-57432 815-40001 851-39147 905-21194	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 -13.8 -68.7 -72.3 -60.5 -72.3	AZN 6.2 6.4 3.5.5 7.1 7.5.0 4.3 3.4 4.2 7.4 8.2 7.4 10.5 12.5	SEC TO 314. AZSUN -81.9 -80.9 -81.3	TAB NO  IMPACT .812  AZA 52.5 47.8 48.2 38.62 47.4 52.0 56.8 748.9 45.0 38.9 43.4 30.2 34.4 45.0 38.9 43.1	ALT 703.78394 Ae 35.98765 35.55133 33.71813 34.54880 35.56298 36.65717 38.01242 35.79059 34.65145 33.71813 31.38831 32.75016 33.82361 33.82361 34.77677 35.94794 36.81517 38.03392 39.56304 41.52983	ATL/ LAi 6 -7.0 8/A 0.916 0.916 0.915 0.913 0.914 0.949 0.987 0.902 0.949 0.999 0.999 0.997 0.935 0.882 0.857 0.818 0.669	T U38 -28 AZPHAZ -93.6 -90.2 -85.6 -85.6 -85.7 -94.8 -90.2 -95.7 -94.8 -90.2 -84.7 -95.7 -95.7 -95.7 -95.7 -95.7 -95.7 -95.7 -96.8 -90.2 -96.8 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9	ON .239 INC D 68.3 65.2 62.5 64.7 67.2 67.8 68.5 60.0 62.1 64.7 69.8 70.5 71.4 672.6	243 PHAZ 40-7 47-6 47-9 42-5 47-9 42-5 47-9 53-1 53-2 53-7 48-1 38-0 36-9 37-2	R 9.239 9.239 29.8 6 12.6 6 12.6 5 25.5 7 35.3 2 26.6 6 19.2 6 19.2 6 19.2 6 31.4 3 36.6 6 41.5	POD S  V 2.282  AL PHA 26.9 16.3 8.8 16.6 24.5 24.4 23.1 14.9 6.9 8.8 1.1 8.4 15.9 23.6 31.3 32.5 32.7 31.5	SEQUENCE NO  PTH -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 76.42386 70.97225 87.08580 64.99316 68.27603 72.80228 79.05722 64.20929 78.72204 86.21599 97.34808	282  AZ 6.031  PT-PT 0-1 1-2-3 3-5-6 6-7 7-8 8-9-10 10-11 11-12-13 13-14-15 15-16 14-15 15-16 18-19 18-19
PHOTO DATA PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.536 11 -9.700 -25.702 12 -7.920 -27.887 13 -7.773 -25.826 14 -7.611 -23.557 15 -7.430 -21.140 16 -7.225 -18.516 17 -9.317 -18.168 18 -11.870 -17.671 19 -14.647 -17.033 20 -17.757 -16.188	RANGE 775, 93341 748.06604 715.93944 730.44758 755.72580 774.98711 807.12052 777.67448 760.56559 732.57619 715.93944 704.55449 704.9967 723.54789 747.92041 784.27353 793.57432 815.40001 851.39147 905.21194	AZS/C -29-7 +42-2 -40-2 -58-1 -67-1 -53-2 -43-0 -32-3 -18-4 -25-5 -13-8 -68-7 -78-4 -82-1 -84-0 -72-3 -61-0 -43-4	AZN 6.2 6.4 3.8 5.5 7.5 5.0 4.3 8.5 2.0 4.8 6.2 7.4 8.7 10.5 12.6 15.5 12.5	SEC TO 314.  AZSUN 2-81.9-80.9-81.1-3-82.4-83.8-82.9-81.9-80.9-80.6-80.4-83.0-87.4-83.0-87.4-85.6	TAB NO  IMPACT .812  AZ A 5 5 47.8 2 43.2 43.2 43.2 550.8 7 22.3 43.2 43.2 43.2 43.4 43.4 43.4 43.4	35.98765 35.98765 35.55133 33.71813 34.54880 36.65717 38.01242 36.78221 35.79059 34.65145 33.71813 32.75016 34.77679 35.9479 36.981517 38.03392 39.56304 41.52983 39.72480	LAIL LAI -7.6 8/A 0.994 0.995 0.995 0.995 0.911 0.873 0.824 0.985 0.902 0.985 0.905 0.976 0.976 0.985 0.976 0.976	T L L L L L L L L L L L L L L L L L L L	INCD 68.3 65.2 5 66.7 67.2 68.5 65.9 62.5 66.7 69.3 69.8 771.4 69.4 69.4 69.4 69.8 772.6 69.4 69.4 69.4 69.4 69.4 69.4 69.4 69	243 PHAZ 40-7 47-6 53-2 47-9 53-2 42-5 42-5 53-1 53-2 58-9 48-4 43-1 37-2 38-2 37-2 343-4	R 9.235 EMIS 29.8 6 128.5 25.5 29.7 35.3 20.2 29.7 35.3 30.4 20.3 16.0 21.4 16.5 47.6 47.6 47.6	POD S 2.282 ALPHA 26.9 16.6 24.5 24.4 23.1 14.9 8.4 8.8 1.1 8.9 23.6 32.5 32.7 32.5 28.9	PTH: -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.41111 81.91573 80.30914 74.51826 76.42386 70.97225 87.08580 64.99316 68.27603 72.80228 79.05722 64.20929 78.72094 66.21599 97.34808 94.85198	282 AZ 6.031 PT-PT 0-12 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 11-12 12-13 11-12 12-13 11-15 16-17 17-18 18-19 19-20 20-21
TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.338 11 -9.700 -25.702 12 -7.920 -27.987 13 -7.773 -25.826 14 -7.611 -23.557 15 -7.430 -21.140 16 -7.225 -18.516 17 -9.317 -18.168 18 -11.870 -17.671 19 -14.647 -17.033 20 -17.757 -16.188 21 -17.546 -19.467 22 -17.406 -22.399	RANGE 775-93341 748-06604 715-93944 730-44758 755-72580 774-98711 807-12052 777-67448 760-56559 732-57619 709-49967 723-54789 747-92041	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -13.2 -43.0 -13.8 -40.2 -13.8 -60.5 -68.7 -78.4 -68.7 -78.4 -68.7 -78.4 -68.7 -78.4 -61.0 -72.3 -60.5 -51.0 -53.6 -25.6	AZN 6.2 6.4 3.8 5.5 10.1 7.5 5.0 3.8 2.0 3.4 4.8 2.7 10.5 12.6 12.5 12.3 9.1	SEC TO 314.  AZSUN 2 -81.9 -80.9 -81.3 -81.3 -82.8 -81.9 -80.5 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -80.6 -85.0 -85.0 -85.0 -85.6 -85.6 -84.0	TAB NO  IMPACT 812  AZA 52.5 47.8 48.2 43.6 47.4 52.0 56.8 745.0 38.9 43.1 51.3 51.8	ALT 703.78394 35.98765 35.98765 35.55133 34.554880 33.56298 36.65717 38.01242 36.78221 35.79059 34.65145 33.71813 31.38831 32.75016 33.82361 34.77679 35.94794 36.81517 38.03392 39.72480 39.72480 38.31924	ATL/	T U38 -28 AZPHAZ -90.2 -85.6 -90.2 -85.6 -90.2 -85.6 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -79.0 -79.0 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.9	INCD 68.3 65.2 5 64.7 67.2 66.5 66.7 8 67.8 68.5 60.0 62.1 66.7 69.3 69.8 70.5 77.5 69.4 66.7 72.6 69.6 60.0	243 PHA Z 407-6 53-9 42-5 47-9 53-3 53-2 53-7 48-1 38-2 36-9 34-6 48-6	R 9.235 E49.8 S 23.6 6 12.6 6 12.6 5 12.5 5 29.7 3 30.2 26.6 6 19.2 12.6 16.0 23.6 33.1 1 33.1 1 341.5 47.6 47.6 47.6 47.6 37.5	POD S  V 2.282  AL PHA 26.9 16.3 8.8 16.6 24.5 24.4 23.1 14.9 6.9 8.4 8.8 1.1 8.4 15.9 23.6 31.3 32.5 32.7 31.5 28.9 20.4	SEQUENCE NO  PTH -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 76.42386 70.97225 87.08580 64.99316 68.27603 72.80228 79.05722 64.2092 78.7229 86.21599 97.34808 94.85198 84.80854	282  AZ 6.031  PT-PT 0-1 1-2 2-3 4-5 5-6 6-7 7-8 8-9 9-10 11-12 11-12 11-12 11-12 11-12 11-12 11-13 13-14 14-15 15-16 11-18 18-19 20-21 21-22
TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.538 11 -9.700 -25.702 12 -7.920 -27.987 13 -7.773 -25.826 14 -7.611 -23.557 15 -7.430 -21.140 16 -7.225 -18.516 17 -9.317 -18.168 18 -11.870 -17.671 19 -14.647 -17.033 20 -17.757 -16.188 21 -17.546 -19.467 22 -17.406 -22.399 23 -17.318 -25.097 24 -17.271 -27.635	RANGE 775-93341 748-06604 715-93944 730-44758 755-72580 774-98711 807-12052 777-07448 760-56559 732-57619 715-93944 704-55449 709-49967 723-5478 747-92041 784-27353 793-57432 815-40001 851-39147 855-00159 821-69210 802-04948	AZS/C -29-7 +42-2 -40-2 -58-1 -67-1 -53-2 -43-0 -32-3 -18-4 -25-5 -13-8 -68-7 -78-4 -82-1 -84-0 -72-3 -61-0 -43-4	AZN 6.2 6.4 3.8 5.5 7.5 5.0 4.3 8.5 2.0 4.8 6.2 7.4 8.7 10.5 12.6 15.5 12.5	SEC TO 314.  AZSUN 2-81.9-80.9-81.1-3-82.4-83.8-82.9-81.9-80.9-80.6-80.4-83.0-87.4-83.0-87.4-85.6	TAB NO  IMPACT 812  AZA 52.5 47.8 48.2 43.6 47.4 52.0 56.8 745.0 38.9 43.1 51.3 51.8	35.98765 35.98765 35.55133 33.71813 34.54880 36.65717 38.01242 36.78221 35.79059 34.65145 33.71813 32.75016 34.77679 35.9479 36.981517 38.03392 39.56304 41.52983 39.72480	B/A 0.916 0.953 0.911 0.873 0.824 0.969 0.985 0.902 0.985 0.902 0.985 0.969 0.977 0.935 0.827 0.9880 0.766	T L L L L L L L L L L L L L L L L L L L	ON 1.239 INCD 68.3 65.2 66.2 66.2 66.3 66.2 66.3 66.2 66.4 66.4 66.4 66.4 66.4 66.4 66.4	138 243 PHAZ 40.7 53.2 47.9 42.2 47.9 53.3 53.2 53.2 53.2 53.2 63.9 74.8 48.4 43.4 48.4 43.4 48.6	R 9.239 EMIS 8 29.8 6 118.5 25.5 7 30.6 2 25.6 119.2 6 123.6 41.5 25.7 35.3 36.6 42.0 33.6 5 42.0 37.5 5	POD S  2.282  ALPHA 26.9 16.3 8.8 16.6 24.5 23.1 14.9 8.4 8.4 15.9 23.6 332.5 332.5 332.5 32.5 28.9 12.2	PTH: -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.41111 81.91573 80.30914 74.51826 64.2386 70.97225 87.08580 64.99316 68.27603 72.80228 78.7294 68.21599 97.34808 84.80854 78.04967	282  AZ 6.031  PT-PT 0-11 1-2 2-3 4-5 5-6-7 7-8 9-9-10 11-12 11-12 11-12 11-15
TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.949 -19.908  2 -11.975 -23.112  3 -9.700 -25.702  4 -9.581 -23.370  5 -9.455 -20.880  6 -11.918 -20.515  7 -14.586 -20.057  8 -14.557 -22.797  9 -14.553 -25.338  10 -12.037 -25.536  11 -9.700 -25.702  12 -7.920 -27.987  13 -7.773 -25.826  14 -7.611 -23.557  15 -7.430 -21.140  16 -7.225 -18.516  17 -9.317 -18.168  18 -11.870 -17.671  19 -14.647 -17.033  20 -17.757 -16.188  21 -17.546 -19.467  22 -17.406 -22.397  23 -17.318 -25.097  24 -17.271 -27.635  55 -14.570 -27.742	RANGE 748.06604 715.93341 748.06604 715.93944 730.44758 755.72580 774.98711 807.12052 777.67448 760.56559 732.57619 715.93944 704.95448 709.49967 723.54789 747.92041 784.27353 793.57432 815.40001 851.39147 905.21149 855.00159 821.69210 821.69210 879.99648	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 -13.8 -68.4 -82.1 -84.0 -72.3 -60.5 -51.0 -25.9 -14.3 -1.4	AZN 6.2 6.4 3.8 6.2 6.4 3.8 5.1 10.1 7.5 0 3.4 4.8 6.2 2.0 12.6 12.6 12.3 9.1 12.6 2.4 2.6 2.4	SEC 10 314. AZSU2 -81-9 -80-9 -81-1 -81-8 -82-4 -83-8 -81-9 -80-9 -80-6 -80-6 -80-6 -80-6 -81-9	TAB NO  IMPACT .812  AZA5 47.8 243.2 43.2 43.2 43.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45	35.98765 35.98765 35.55133 33.71813 34.54880 36.56298 36.65717 38.01242 36.78221 35.79059 34.65145 33.71813 34.65145 33.82361 34.776079 34.83831 32.75016 34.77679 36.81517 36.93833 37.72480 38.31924 38.31924 38.31924 34.30650	ATL/ LAi -7( 8/A 0.985 0.916 0.985 0.911 0.972 0.911 0.972 0.949 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.977 0.935 0.961 0.975	AS PHOTO  T L  1038 - ZE  AZPHAZ - 93.6 - 85.2 - 85.6 - 85.2 - 99.2 - 99.2 - 99.2 - 81.6 - 80.0 - 79.0 - 84.2 - 96.3 - 102.2 - 101.1 - 100.1 - 99.3 - 98.7 - 99.7	ON 1.239 INCD 68.3 65.2 62.5 65.9 62.5 65.9 62.9 62.5 66.0 0 62.1 66.4 66.7 69.8 71.4 66.7 69.8 60.0 62.1 66.4 66.7 69.8 60.0 62.1 66.4 66.7 69.8 60.0 62.1 66.7 69.8 60.0 62.1 66.7 69.8 60.0 62.1 66.7 69.8 60.0 62.1 66.7 69.8 60.0 62.1 66.7 69.8 60.0 62.1 66.7 69.8 60.0 60.0 60.1 66.7 69.8 60.0 60.0 60.1 66.7 69.8 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60	138 243 PHA2.7 47.6 53.2 47.9 42.5 47.9 42.5 53.1 53.1 53.1 53.1 53.1 53.1 43.1 37.2 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1 43.1 48.1	R 9 - 235 EMIS 8 29 - 8 12 - 6 18 - 5 29 - 7 30 - 2 26 - 6 2 12 - 6 6 16 - 6 2 12 - 6 16 - 6	POD S 2.282 ALPHA 26.9 16.6 24.5 24.4 14.9 6.9 8.8 1.1 8.9 23.6 32.5 32.5 32.5 28.9 4.2 20.2 20.2 20.3 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	PTH - 69.264 11 SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 64.2386 70.97225 87.08580 64.99316 68.27603 72.80228 87.05722 64.20929 78.72294 86.21599 97.34808 84.80854 78.04967 73.43172	282  AZ 6.031  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-90 10-11 11-12 12-13 11-15 16-16 16-17 11-18 18-19 19-20 122-122 22-23 23-24 24-25
TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.949 -19.908 2 -11.975 -23.112 3 -9.700 -25.702 4 -9.581 -23.370 5 -9.455 -20.880 6 -11.918 -20.515 7 -14.586 -20.057 8 -14.557 -22.797 9 -14.553 -25.338 10 -12.037 -25.536 11 -9.700 -25.702 12 -7.920 -27.97 13 -7.773 -25.826 14 -7.611 -23.557 15 -7.430 -21.140 16 -7.225 -18.516 17 -9.317 -18.168 18 -11.870 -17.671 19 -14.647 -17.033 20 -17.575 -16.188 21 -17.546 -19.467 22 -17.406 -22.399 23 -17.318 -25.097 24 -17.271 -27.035 25 -14.570 -27.742	RANGE 775-93341 748-06604 715-93944 730-44758 755-72580 774-98711 807-12052 777-67448 760-56559 732-57619 715-93944 704-55449 709-49967 723-5478 747-92041 784-27353 793-57432 815-600159 855-00159 855-00159 855-00159 855-004948 873-99648 754-10095 727-05771	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 -13.8 -68.7 -72.8 -60.5 -72.3 -60.5 -72.3 -35.6 -14.3 -11.8	AZN 6.22 6.4 8 5.5 7 7.1 5.0 0 3.4 4.8 2 7.4 7 10.5 5.3 2 9.1 12.6 12.6 2 2 4 2 2 2 2 2 2 2	SEC TO 314.  AZSUN 7.  -81.9 -80.9 -81.1  -81.3 -82.8  -81.9 -80.6  -80.6  -80.6  -80.6  -80.6  -80.7  -81.9  -81.9  -81.9  -81.9	TAB NO  IMPACT .812  AZA5 47.8 48.2 48.2 47.4 62.6 56.8 7 48.9 38.4 47.1 38.6 47.1 38.6 60.7 62.0 62.0	35.98765 35.98765 35.55133 33.71813 34.54880 35.56298 36.78221 36.78221 36.78221 36.78221 36.78221 36.7821 31.3883 32.75016 31.3883 32.75016 31.3883 32.75016 33.94794 36.81517 38.03392 39.56304 41.52983 39.56304 41.52983 39.72480 38.31924 37.20194 36.30650 34.98660 33.91595	ATL/ LAi 0.48 0.916 0.953 0.917 0.824 0.902 0.903	T U38 -28 AZPHAZ -93.6 6-90.2 -85.6 -90.2 -85.6 -90.2 -95.7 -95.7 -95.7 -95.7 -95.8 -90.2 -96.3 -90.2 -96.3 -102.2 -101.1 -99.3 -98.7	ON .239 INCD 66.32 62.56.57 67.2 67.8 65.9 66.00 62.1 66.7 66.7 66.7 66.7 66.1 66.7 66.1 66.1	138 243 40.7 53.2 47.6 53.2 42.5 42.5 53.7 42.5 53.7 33.1 53.7 43.1 37.2 36.9 37.2 37	R 9.239 EMIS 829.8 8 12.6.6 18.5 5 229.7 330.2 12.6.6 231.4 42.0 37.5 333.1 34.5 6 42.0 37.5 333.1 257.3	POD \$ V 2.282 ALPHA 26.9 16.3 8.8 16.6 24.5 4.5 23.1 11.5 9 6.9 8.4 8.8 1.1 3.3 31.5 28.9 20.4 2.2 4.2 2.3 4.2 2.3 6.0 7.0 8.9 8.9 20.4 0.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	SEQUENCE NO  PTH -69.264 11  SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 70.97225 87.08580 70.97226 87.08580 70.97236 84.26028 79.05722 78.72094 86.21599 97.34808 94.85198 84.80854 78.04967 73.43172 81.87199	AZ 6.031 PT-PT 1-22-33-4 4-55-6-7-8 8-9-10 10-11 11-12 12-13 11-15-17 17-18 18-19 19-20 22-23 24-22 22-23 24-25-25
TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.949 -19.908  2 -11.975 -23.112  3 -9.700 -25.702  4 -9.581 -23.370  5 -9.455 -20.880  6 -11.918 -20.515  7 -14.586 -20.057  8 -14.557 -22.797  9 -14.553 -25.338  10 -12.037 -25.536  11 -9.700 -25.702  12 -7.920 -27.987  13 -7.773 -25.826  14 -7.611 -23.557  15 -7.430 -21.140  16 -7.225 -18.516  17 -9.317 -18.168  18 -11.870 -17.671  19 -14.647 -17.033  20 -17.757 -16.188  21 -17.546 -19.467  22 -17.406 -22.397  23 -17.318 -25.097  24 -17.271 -27.635  55 -14.570 -27.742	RANGE 7748.06604 715.93944 730.44758 755.72580 774.98711 807.12052 777.67448 760.56559 732.57619 715.93944 704.95449 709.49967 723.54789 747.92041 784.27353 793.57432 815.40001 851.39147 905.21194 855.00159 821.69210 802.04948 793.99648 754.10095 727.05771 710.89163	AZS/C -29.7 -42.2 -40.2 -58.1 -67.1 -53.2 -43.0 -32.3 -18.4 -25.5 -40.2 -13.8 -68.4 -82.1 -84.0 -72.3 -60.5 -51.0 -40.2 -14.3 -14.3 -1.4	AZN 6.2 6.4 3.8 6.2 6.4 3.8 5.1 10.1 7.5 0 3.4 4.8 6.2 2.0 12.6 12.6 12.3 9.1 12.6 2.4 2.6 2.4	SEC 10 314. AZSU2 -81-9 -80-9 -81-1 -81-8 -82-4 -83-8 -81-9 -80-9 -80-6 -80-6 -80-6 -80-6 -81-9	TAB NO  IMPACT .812  AZA5 47.8 243.2 43.2 43.2 43.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45	35.98765 35.98765 35.55133 33.71813 34.54880 36.56298 36.65717 38.01242 36.78221 35.79059 34.65145 33.71813 34.65145 33.82361 34.776079 34.83831 32.75016 34.77679 36.81517 36.93833 37.72480 38.31924 38.31924 38.31924 34.30650	ATL/ LA1	AS PHOTO  T L  1038 - ZE  AZPHAZ - 93.6 - 85.2 - 85.6 - 85.2 - 99.2 - 99.2 - 99.2 - 81.6 - 80.0 - 79.0 - 84.2 - 96.3 - 102.2 - 101.1 - 100.1 - 99.3 - 98.7 - 99.7	ON .239 INCD 68.3 65.2 62.5 66.0 68.3 665.9 665.9 665.9 665.9 665.9 662.1 664.4 665.9 664.1 664.7 669.3 69.8 69.8 69.8 69.8 69.8 69.8 69.8 69.8	138 243 P40.7 47.6 47.6 47.9 42.5 42.5 53.7 48.4 47.9 53.3 37.2 38.0 37.2 48.4 43.6 53.9 55.8 58.9 58.6 58.8 58.8	R 9.235 EMIS 29.88 12.66 125.6 125.6 125.6 125.7 300.2 269.2 12.66 125.7 300.2 269.2 12.66 125.6	POD S 2.282 ALPHA 26.9 16.6 24.5 24.4 14.9 6.9 8.8 1.1 8.9 23.6 32.5 32.5 32.5 28.9 4.2 20.2 20.2 20.3 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	PTH - 69.264 11 SCALE 0. 100.06129 103.34218 69.72301 74.48769 75.4111 81.91573 80.30914 74.51826 64.2386 70.97225 87.08580 64.99316 68.27603 72.80228 87.05722 64.20929 78.72294 86.21599 97.34808 84.80854 78.04967 73.43172	282  AZ 6.031  PT-PT 0-1 1-2 3-3-4 4-5 5-6 6-7 7-8 8-9-10 11-12 12-13 11-12 12-13 11-15 16-17 17-18 18-19 19-20 21-22 223-24 25-26-27

70

TRAJECTORY DATA  TRAJECTORY DATA  SEC TO IMPACT 309-692  692.84930 -7.081 -28.151
TRAJECTORY DATA  SEC TO IMPACT 309.692  ALT LAT LON R V PTH AZ 692.84930 -7.081 -28.151 2428.305 2.286 -69.202 116.018  PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA 1-10.941 -19.925 763.95941 (-29.9) 6.2 -82.2 52.4 35.44058 0.898 -93.6 68.2 40.8 29.8 26.8 0. 2 -11.957 - 23.064 736.7329 -42.4 6.4 -81.9 47.6 35.01273 0.916 -90.2 65.3 47.6 23.7 16.4 98.13089 1-2 3 -9.717 - 25.615 705.00559 -40.4 3.8 -80.9 48.0 33.20319 0.985 -85.6 62.5 53.2 12.6 8.9 101.79768 2-3 4 -9.600 -23.318 719.37918 -58.2 5.5 -81.1 43.2 34.02524 0.952 -85.2 64.8 47.9 18.5 16.6 68.68021 3-4 5 -9.475 -20.865 744.32187 -67.1 7.1 -81.3 38.6 35.02627 0.910 -84.7 67.2 42.5 25.5 24.5 73.37702 4-5 6 -11.902 -20.505 763.29218 -53.3 8.4 -82.4 43.1 36.10401 0.873 -90.2 67.8 42.2 29.7 24.4 74.27284 5-6 11.528 -20.056 794.87321 -43.1 10.1 -88.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65000 6-5
PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA 1-10.941 -19.925 763.95941 (-29.9 6-2 -82.2 52.4 35.44058 0.898 -93.6 68.2 40.8 29.8 26.8 0. 0-19.91 -19.91 -19.925 763.95941 (-29.9 6-2 -82.2 52.4 35.44058 0.898 -93.6 68.2 40.8 29.8 26.8 0. 0-19.91 -19.9
PT LAT LON RANGE AZS/C AZN AZSUN AZA A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 1-10-941 -19-925 763-95941 -29-9 6.2 -82.2 52.4 35.44058 0.898 -93.6 68.2 40.8 29-8 26.8 0. 0-1 2-11-957 -23.064 736.73299 -42.4 6.4 -81.9 47.6 35.01273 0.916 -90.2 65.3 47.6 23.7 16.4 98-13089 1-2 3-9.717 -25.615 705.00559 -40.4 3.8 -80.9 48.0 33.20319 0.985 -85.6 62.5 53.2 12.6 8.9 101.79768 2-5 5-9.475 -20.865 744.32187 -67.1 7.1 -81.3 38.6 35.02627 0.910 -84.7 67.2 42.5 25.5 24.5 73.37702 4-5 6-11.902 -20.505 763.29218 -53.3 8.4 -82.4 43.1 36.10401 0.873 -90.2 67.8 42.2 29.7 24.4 74.27284 5-6 71.4528 -20.056 794.87321 -43.1 10.1 -83.8 4.73 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65004 6-1
1 -10-941 -19-925 763.95941 (-29.9 6.2 -82.2 52.4 35.44058 0.898 -93.6 68.2 40.8 29.8 26.8 0. 0-1 2 -11.957 -23.064 736.73299 -42.4 6.4 -81.9 47.6 35.44058 0.898 -93.6 68.2 40.8 29.8 26.8 0. 0-1 3 -9.717 -25.615 705.00559 -40.4 3.8 -80.9 48.0 33.20319 0.985 -85.6 62.5 53.2 12.6 8.9 101.79768 2-3 4 -9.600 -23.318 719.37918 -58.2 5.5 -81.1 43.2 34.02524 0.952 -85.2 64.8 47.9 18.5 16.6 68.68021 3-4 5 -9.475 -20.865 744.32187 -67.1 7.1 -81.3 38.6 35.02627 0.910 -84.7 67.2 42.5 25.5 24.5 73.37702 4-5 6 -11.902 -20.505 763.29218 -53.3 8.4 -82.4 43.1 36.10401 0.873 -90.2 67.8 42.2 29.7 24.4 74.27284 5-6
3 -9.717 -25.615 705.00559 -40.4 3.8 -80.9 48.0 33.20319 0.985 -85.6 62.5 53.2 12.6 8.9 101.79768 2-2 4 -9.600 -23.318 719.37918 -58.2 5.5 -61.1 43.2 34.02524 0.952 -85.2 64.8 47.9 18.5 16.6 68.68021 3-4 5 -9.475 -20.865 744.32187 -67.1 7.1 -81.3 38.6 35.02627 0.910 -84.7 67.2 42.5 25.5 24.5 73.37702 4-5 6 -11.902 -20.505 763.29218 -53.3 8.4 -82.4 43.1 36.10401 0.873 -90.2 67.8 42.2 29.7 24.4 74.27284 5-6 11.902 -20.505 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65006 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65006 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65006 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65006 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65006 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65006 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65008 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65008 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65008 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65008 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65008 6-7 14.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65008 6-7 14.528 -20.056 70.058 -20.058 70.058 -20.058 70.058 -20.058 70.058 -20.058 70.058 -20.058 70.058 -20.058 70.058 -20.058 70.058 -20.058 70.058 -20.058 70.058 -20.058 70.058 70.058 -20.058 70.058
4 -9.600 -23.318 719.37918 -58.2 5.5 -81.1 43.2 34.02524 0.952 -85.2 64.8 47.9 18.5 16.6 68.68021 3-4 67.9 4.75 -20.865 744.32187 -67.1 7.1 -81.3 38.6 35.02627 0.910 -84.7 67.2 42.5 25.5 24.5 73.37702 4-11.902 -20.505 763.29218 -53.3 8.4 -82.4 43.1 36.10401 0.873 -90.2 67.8 42.2 29.7 24.4 74.27284 5-6 7.14.528 -20.056 794.87321 -43.1 10.1 -83.8 4.7.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65004 6-1
6 -11.902 -20.505 763.29218 -53.3 8.4 -82.4 43.1 36.10401 0.873 -90.2 67.8 42.2 29.7 24.4 74.27284 5-6 714.528 -20.056 794.87321 -43.1 10.1 -83.8 47.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65004 6-1
7 -14.528 -20.056 794.87321 -43.1 10.1 -83.8 43.3 37.43563 0.824 -95.7 68.5 42.5 35.3 23.1 80.65004 6-1
R +14.500 -22.753 765.85720 -52.4 7.5 -62.4 51.6 50.22227 0.607 -75.7 11.5 -7.5 10.5 17.5
9 -14.495 -25.256 744.6988 -18.5 3.0 -82.0 30.0 35.4152 0.702 -77.0 0.5 3.0 53.1 19.2 8.5 75.23518 9-10
11 -9.717 -25.615 705.00559 -40.4 3.8 -80.9 48.0 33.20319 0.985 -85.6 62.5 53.2 12.6 8.9 69.88846 10-11
12 -1.765 -21.866 673.04100 12.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
14 -7.659 -23.503 712.54716 -78.3 4.8 -80.5 38.9 33.30921 0.976 -80.9 64.4 48.4 16.0 16.0 67.25097 13-1
15 -7.481 -21.122 736.59518 -82.0 6.2 -80.4 34.5 34.25000 0.935 -80.0 66.8 43.1 23.6 23.6 71.71270 14-11
10 -7-280 -18-335 772-37200 -03-7 -1-1 -03-2 30-1 37-30-1 37-3 -1-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -
18 -11.854 -17.705 803.07761 -60.5 10.4 -83.0 38.9 37.45924 0.818 -90.2 70.5 36.9 36.5 32.6 77.52895 17-11
19 -14.589 -17.079 838.43036 -51.0 12.6 -85.0 43.1 38.96087 0.767 -96.3 71.4 37.2 41.4 31.5 84.86925 18-1 20 -17.648 -16.252 891.19324 -43.5 15.4 -87.4 47.0 40.88670 0.700 -102.2 72.5 38.2 47.5 28.8 95.72525 19-2
21 -17 441 -19 477 841 85270 -35-7 12.2 -85-6 51.2 39.11378 0.762 -101.1 69.4 43.4 41.9 20.4 93.33757 20-2
22 -17.303 -22.362 809.03930 -26.0 9.0 -84.1 55.6 37.72901 0.809 -100.1 66.7 48.6 37.4 12.2 83.5099 21-2.
23 -17.215 -27.516 781.54226 -1.6 2.7 -81.6 65.3 35.73686 0.868 -98.7 61.8 59.0 33.0 -3.3 72.30211 23-2
25 -14.511 -27.622 742.39958 -2.1 2.4 -81.1 61.7 34.44369 0.926 -94.4 61.2 58.6 25.1 -0.7 80.53095 24-2
26 -12.085 -27.715 715.82935 -3.0 2.2 -80.8 57.7 33.39223 C.972 -90.2 60.8 58.4 17.3 0.9 73.51275 25-2 27 -9.828 -27.799 699.91580 -5.3 2.1 -80.6 51.7 32.26948 0.992 -85.9 60.4 58.5 9.6 1.4 68.42795 26-2
28 -7.965 -27.866 693.64700 -15.6 2.0 -80.5 48.8 30.90463 0.969 -82.2 60.1 58.9 3.3 1.2 56.46065 27-2
TAB NO 140 ATLAS PHOTO NO 140 POD SEQUENCE NO 28
JULY 31,1964 13 HR 20 MIN 44 SEC 227 MS
TRAJECTURY DATA SEC TO IMPACT ALT LAT LUN R V PTH AZ
304.572 681.89981 -7.124 -28.061 2417.355 2.290 -69.140 116.00
PT LAT LON RANGE AZS/C AZN AZSUN AZA A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PI-P
1 -10.933 -19.942 751.96686 -30.0 6.2 -82.3 52.2 34.89258 0.898 -93.6 68.2 40.8 29.7 26.8 0. 0-2-11.940 -23.016 725.38006 -42.5 6.4 -81.9 47.5 34.47319 0.916 -90.2 65.3 47.6 23.7 16.4 96.20019 1-
3 -9.734 -25.528 694.05455 -40.7 3.8 -80.9 47.9 32.68744 0.984 -85.6 62.6 53.2 12.7 9.0 100.25004 2-
4 -9.619 -23.266 708.29144 -58.2 5.5 -81.1 43.1 33.50077 0.952 -85.2 64.8 47.9 18.6 16.7 67.63534 3-5-9.496 -20.850 732.89736 -67.1 7.1 -81.3 38.7 34.48860 0.910 -84.7 67.2 42.5 25.6 24.5 72.26422 4-
4 -11 845 -20 496 751 57616 -53-3 8.4 -82.4 43.1 35.54986 0.873 -90.2 67.8 42.2 29.7 24.5 73.13260 5-
7 -14.471 -20.054 782.60590 -43.2 10.0 -83.9 47.2 36.85788 0.824 -95.7 68.5 42.5 35.2 23.1 79.88294 6-
8 -14-472 -22-109 (233-75002 -32-0 (+3 -22-7 )1-2 (
10 -12 -000 -25 - 366 710 - 18488 - 26 - 0 4 - 4 - 81 - 4 52 - 3 33 - 5923 > 0 - 948 - 90 - 2 63 - 1 53 - 1 19 - 2 8 - 6 74 - 04524 9 - 1
11 -9.734 -25.528 694.05455 -40.7 3.8 -80.9 47.9 32.68744 0.984 -85.6 62.6 53.2 12.7 9.0 68.80309 10-1 12 -8.009 -27.745 682.72630 -17.4 2.0 -80.5 48.6 30.42044 0.969 -82.2 60.3 58.9 3.3 1.3 84.44413 11-1
13 -7.864 -25.450 687.74548 -68.5 3.5 -80.5 44.9 31.76251 U.992 -81.6 62.3 53.7 8.8 8.6 63.00739 12-1
14 -7.708 -23.449 701.52834 -78.2 4.9 -80.5 38.9 32.79398 0.976 -80.9 64.5 48.4 16.1 16.1 66.2405 13-1
15 -7.533 -21.103 725.25069 -81.9 6.2 -80.4 34.5 33.72231 0.935 -80.0 66.8 43.1 23.7 23.6 70.62108 14-1 16 -7.334 -18.559 760.49146 -83.8 7.5 -80.1 30.5 34.85749 0.882 -79.0 69.3 38.0 31.4 31.3 76.65532 15-1
17 -9.363 -18.220 769.58835 -72.2 8.7 -81.4 34.5 35.70238 0.857 -84.2 69.8 37.2 33.0 32.5 62.27642 16-1
18 -11.838 -17.739 790.73453 -60.6 10.4 -83.0 38.9 36.88360 0.818 -90.2 70.5 36.9 36.5 32.6 76.33488 17-1 19 -14.530 -17.125 825.45061 -51.0 12.5 -85.0 43.0 38.35783 0.767 -96.3 71.3 37.2 41.4 31.4 83.52184 18-1
20 -17.538 -16.317 877.16309 -43.5 15.3 -87.4 46.9 40.24304 0.702 -102.2 72.4 38.2 47.4 28.8 94.10568 19-2
21 -17.335 -19.487 828.68825 -35.8 12.1 -85.6 51.1 38.50203 0.763 -101.1 69.4 43.4 41.8 20.4 91.82435 20-1
22 -17 112 -22 320 190 31093 -25.2 330 -25.2 330 330 330 330 330 330 330 330 330 33
24 -17.064 -27.397 769.07841 -1.8 2.7 -81.7 64.9 35.16677 0.869 -98.7 61.9 59.0 32.9 -3.1 71.17134 23-
25 -14-452 -27-503 730-00470 -2-4 2-5 -01-2 01-5 35-50010 07-2 -27-27-27-27-27-27-27-27-27-27-27-27-27-
27 -9.843 -27.679 688.92574 -6.0 2.1 -80.6 51.4 31.76539 0.992 -85.9 60.5 58.5 9.7 1.5 67.35252 26-2
28 -8.009 -27.745 682.72630 -17.4 2.0 -80.5 48.6 30.42044 0.969 -82.2 60.3 58.9 3.3 1.3 55.57610 27-2

						TAR NO	141	ATI	AC DUOT					SEQUENCE N	
JULY 31,1964		MIN 49	SEC 347	MS			141	AIL	AS PHUIT	U NO	141		P00 S	SEQUENCE N	10 288
TRAJECTORY DA	ATA .					IMPACT	ALT 670.9356	LA L7.	† L 167 -27	ON 971	24	R 06.391	V 1 2-294	PTH -69.078 1	AZ 15.992
PHOTO DATA															
	.ON	RANGE	AZS/C		AZSUN		A =	B/A	AZPHAZ	INCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
1 -10.925 -19	959 73	9.95585	-30.2		-82.3		34.34447	0.898	-93.6	68.2	40.8	29.7	26.7	0.	0- 1
2 -11.922 -22 3 -9.751 -25	.964 /1	4.02775	-42.6		-81.9		33.93368	0.916	-90.2	65.4	47.6	23.7	16.5	94.19838	
5 -9.101 -20 6 -9.637 -22	1.439 68	7 20390	-40.9		-80.9		32.17135	0.984	-85.6	62.7	53.2	12.8	9.1	98.70464	2- 3
5 -9.517 -20	19411 D7	1.20380	-28.2		-81.1		32,97630	0.952	85+2_	64.9	47.8	18-7	16.8	66,59188	3- 4
6 -11.869 -20	1.484 73	9.87180	-57.1		-81.3 -82.4		33.95140	0.910	-84.7	67.2	42.5	25.6	24.5	71.15535	
7 -14.413 -20	1.049 77	0.35455	-43 3	10.0	-83.9	47.1	34.99626	0.873	-90.2	67.8	42.2	29.7	24.5	71.99369	
8 -14.384 -22	-663 74	2.12769	-32.8		-82.9		36.28090 35.10080	0.023	-95.7	44.0	42.5	32.4	23.1	78.11879	6-7
9 -14.379 -25	.089 72	5.52589	-19-1		-82.1		34.14152	0.003	-95.2	43 4	57.7	30.1		76.68971 71.16251	. /- 8
10 -11 981 -25	.279 69	8.97300	-26.3	4.4	-81.4	52.1	33 04303	0.00	00 3				7.2		
11 -9.751 -25	-439 68	3.09614	-40.9	3.9	-80.9	47.7	32.17135	0.984	-85-A	62.7	53.2	12.8	0 1	72.85541 67.71695 83.12190 62.01367 65.19848	9-10
12 -8.054 -27	.622 67	1.79370	-19.2		-80.5		29.93589	0.969	-82.2	60.4	58.9	3.4	1.5	83.12190	11-12
13 -7.912 -25	.560 67	6.85397	-68.5	3.5	-80.5	44-8	31.26848	0.992	-81.6	62.4	53.7	8.9	8.7	62-01367	12-12
14 -7.756 -23	.392 69	0.51041	-78.0		-80.5		32.27876	0.976	-80.9	64.5	48.4	16.2	16.1	65-19848	13-14
15 -7.584 -21	-083 71	3.91689	-81.8	6.2	-80-4					66.8	43.1	23.7	23.7	69.53331	14-15
16 -7.388 -18	.578 74	8.61551	837	7.5	80.1	30.6	34.31291	0.882	-/9.0	49. Z	3.8 - O	31.4	212	75 44140	15-14
17 -9.385 -18	.243 75	7.60999	-72.2	8.7	-81.3	34.6	35.14664	0.857	-84.2	69.7	37.2	33.0	32.4	61.31129	16-17
18 -11.822 -17	.770 77	8.41927	-60.6	10.4	-83.0	38.9	30.30453	0.013	-90.2	10.4	36.9	36.5	32.6	75.14411	17-18
19 -14 - 471 - 17	-167 BL	2.50603		12.5	-85.0	43.0	31.13043	0.768	-96.3	71.3	37.2	41.3	31.4	82.18027	18-19
20 -17.429 -16 21 17.230 19				15.2	-87.4	46.8		0.703	-102-2	72.4	38.2	47.2	28.7	92.49808	19-20
22 -17.096 -22		5.54910			~85.6	50.9	37.89145	0.764	-101.1	69.4	43.3	41.7	20.4	90.32746	20-21
23 -17.009 -24	967 74	4.71042	-26.3 -14.9		-84.4		36.51752	5.610	-100-1	66.7	48.6	37.3		80.21706	
24 -16.961 -27	. 275 75	6.60582	-2.1	5.8	-82.9 -81.8		35.46942	0.845	-99.3	64.3	53.8	34.2	4.0	14.49697	
25 -14.392 -27	.380 71	8.95791	-2.7	2.5	-81.2		34.59623	0.870	-98.7	62.0	59.0	32.8	-3.0	70.04124	
26 -12.045 -27		3.33024	-3.9	2.3	-80.9		33.35603 32.34279	0.927	-94.4	01.5	28.6	25.0		77.85192	
27 -9.858 -27	.556 67	7.92265	-6.8	2.2	-80.6		31.26085	0.712	-85.9	61.0	50.4 E0.E	17.3	1.1	71.15847	
28 -8.054 -27	.622 67	1.79370			-80.5		29.93589						1.5	66.27591 54.69038	
												7.7			21-20
JULY 31,1964	13 HR 20	MIN 54	SEC 467	MS		TAB NO	142	ATL	AS PHOTO	NO	142		POD S	EQUENCE N	0 290
JULY 31,1964 TRAJECTORY DA		MIN 54	SEC 467		SEC TO	IMPACT	ALT	LAT	r L	ON		R	٧	PTH	AZ
TRAJECTORY DA	TA				SEC TO 294.	IMPACT		LA1	f L 211 -27	ON .880	239	95.412	y 2.298	•	AZ
TRAJECTORY DA PHOTO DATA PT LAT L	TA ON (	RANGE	AZS/C	AZN	SEC TO 294.	TDACT 333	ALT 659.95679	LA1 -7.2 B/A	T L 211 -27 AZPHAZ	ON -880 INCD	239	95.412 EMIS	V : 2.298 ALPHA	PTH ~69.015 1	AZ
TRAJECTURY DA PHOTO DATA PT LAT L 1 -10.917 -19	TA ON ( •976 72	RANGE 7.92641	AZS/C -30.4	AZN 6.2	SEC TO 294. AZSUN -82.4	IMPACT 333 AZA 51.8	ALT 659.95679 A* 33.79532	LA1 ) -7.2 B/A 0.898	T L 211 -27 AZPHAZ -93.6	INCD 68.2	239 PHAZ 40.9	95.412 EMIS 29.6	V 2.298 ALPHA 26.7	PTH ~69.015 1 SCALE 0.	AZ 15.978 PT-PT 0- 1
TRAJECTORY DA  PHOTO DATA  PT LAT L  1 -10.917 -19 2 -11.904 -22	TA ON ( •976 72 •914 70:	RANGE 7.92641 2.65278	AZS/C -30.4 -42.8	AZN 6.2 6.4	SEC TO 294. AZSUN -82.4 -82.0	IMPACT 333 AZA 51.8 47.2	ALT 659.95679 A• 33.79532 33.39309	LA1 ) -7.2 B/A 0.898 0.915	T L 211 -27 AZPHAZ -93.6 -90.2	DN -880 INCD 68-2 65-4	239 PHAZ 40.9 47.6	95.412 EMIS 29.6 23.7	V 2.298 ALPHA 26.7 16.6	PTH ~69.015 1 SCALE 0. 92.20678	AZ 15.978 PT-PT 0- 1 1- 2
TRAJECTURY DA  PHOTO DATA  PT LAT L  1 -10.917 -19  2 -11.904 -22  3 -9.768 -25	TA  ON ( .976 72 .914 70: .350 67:	RANGE 7.92641 2.65278 2.11945	AZS/C -30.4 -42.8 -41.2	AZN 6.2 6.4 3.9	SEC TO 294. AZSUN -82.4 -82.0 -80.9	IMPACT 333 AZA 51.8 47.2 47.6	ALT 659.95679 A• 33.79532 33.39309 31.65439	B/A 0.898 0.915 0.984	T L 211 -27 AZPHAZ -93.6 -90.2 -85.6	ON .880 INCD 68.2 65.4 62.8	239 PHAZ 40.9 47.6 53.2	95.412 EMIS 29.6 23.7 12.8	V 2.298 ALPHA 26.7 16.6	PTH ~69.015.1 SCALE 0. 92.20678 97.15524	AZ 15.978 PT-PT 0- 1 1- 2 2- 3
TRAJECTURY DA  PHOTO DATA  PT LAT L  1 -10.917 -19  2 -11.904 -22  3 -9.768 -25  4 -9.4556 -23	TA  ON ( .976 72 .914 70; .350 67; .157 68	RANGE 7.92641 2.65278 2.11945 6.09425	AZS/C -30.4 -42.8 -41.2 -58.3	AZN 6.2 6.4 3.9 5.5	SEC TO 294. AZSUN -82.4 -82.0 -80.9 -81.1	IMPACT 333 AZA 51.8 47.2 47.6 42.9	ALT 659.95679 A• 33.79532 33.39309 31.65439 32.45079	B/A 0.898 0.915 0.984 0.951	T L 211 -27 AZPHAZ -93.6 -90.2 -85.6 -85.2	DN -880 INCD 68-2 65-4 62-8 64-9	235 PHAZ 40.9 47.6 53.2 47.8	95.412 EMIS 29.6 23.7 12.8 18.7	V 2.298 ALPHA 26.7 16.6 9.2 16.8	PTH ~69.015.1 SCALE 0. 92.20678 97.15524 65.54591	AZ 15.978 PT-PT 0- 1 1- 2 2- 3
TRAJECTURY DA PHOTO DATA PT LAT L 1 -10.917 -19 2 -11.904 -22 3 -9.768 -25 4 -9.656 -23 5 -9.537 -20	ON (1.976 72.914 70:.350 67:.157 68:.815 716	RANGE 7.92641 2.65278 2.11945 6.09425 0.04399	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1	AZN 6.2 6.4 3.9 5.5 7.2	SEC TO 294.  AZSUN -82.4 -82.0 -80.9 -81.1 -81.2	IMPACT 333 AZA 51.8 47.2 47.6 42.9 38.6	ALT 659.95679 A• 33.79532 33.39309 31.65439 32.45079 33.41303	LAT B/A 0.898 0.915 0.984 0.951 0.910	AZPHAZ -93.6 -90.2 -85.6 -85.2	INCD 68.2 65.4 62.8 64.9 67.2	239 PHAZ 40.9 47.6 53.2 47.8 42.5	EMIS 29.6 23.7 12.8 18.7 25.6	V 2.298 ALPHA 26.7 16.6 9.2 16.8 24.6	PTH ~69.015.1 SCALE 0. 92.20678 97.15524 65.54591 70.04344	AZ 15.978 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTURY DA  PHOTO DATA PT LAT L 1 -10.917 -19 2 -11.904 -22 3 -9.768 -25 4 -9.656 -23 5 -9.537 -20 6 -11.852 -20	ON (-976 72 -914 70: -350 67: -157 68: -815 71: -472 72:	RANGE 7.92641 2.65278 2.11945 6.09425 0.04399 8.14169	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5	AZN 6.2 6.4 3.9 5.5 7.2 8.4	SEC TO 294.  AZSUN -82.4 -82.0 -80.9 -81.1 -81.2 -82.5	IMPACT .333 AZA 51.8 47.2 47.6 42.9 38.6 42.9	ALT 659.95679 33.79532 33.39309 31.65439 32.45079 33.4130 34.44143	B/A 0.898 0.915 0.984 0.951 0.910 0.873	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2	ON .880 INCD 68.2 65.4 62.8 64.9 67.2	239 PHAZ 40.9 47.6 53.2 47.8 42.5	EMIS 29.6 23.7 12.8 18.7 25.6 29.7	V 2.298 ALPHA 26.7 16.6 9.2 16.8 24.6 24.5	PTH -69.015.1 SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213	AZ 15.978 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTURY DA PHOTO DATA PT LAT L 1 -10.917 -19 2 -11.904 -22 3 -9.768 -25 4 -9.656 -23 5 -9.537 -20 6 -11.852 -20 7 -14.355 -20	ON ( .976 72 .914 70; .350 67; .157 68; .815 71; .472 72;	RANGE 7.92641 2.65278 2.11945 6.09425 0.04399 8.14169 8.07815	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4	AZN 6.2 6.4 3.9 5.5 7.2 8.4	SEC TO 294.  AZSUN -82.4 -82.0 -80.9 -81.1 -81.2 -82.5 -83.9	IMPACT -333 AZA 51.8 47.2 47.6 42.9 38.6 42.9 47.0	ALT 659.95679 A• 33.79532 33.39309 31.65439 32.45079 33.41303 34.46143 35.70273	B/A 0.898 0.915 0.984 0.951 0.910 0.873 0.825	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2	ON .880 INCD 68.2 65.4 62.8 64.9 67.2 67.8 68.5	239 PHAZ 40.9 47.6 53.2 47.8 42.5 42.5	EMIS 29.6 23.7 12.8 18.7 25.6 29.7	V 2.298 ALPHA 26.7 16.6 9.2 16.8 24.6 24.5 23.2	PTH -69.015.1 SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291	AZ 15.978 PT-PT 0- 1 1- 2 2- 3 3- 4 5- 6
TRAJECTORY DA  PHOTO DATA PT LAT	ON ( -976 72 -914 70 -350 67: -815 71: -472 72: -045 75: -617 73:	RANGE 7.92641 2.65278 2.11945 6.09425 0.04399 8.14169 8.07815 0.25249 3.81850	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9	AZN 6.2 6.4 3.9 5.5 7.2 8.4 10.0 7.5	SEC TO 294. AZSUN -82.4 -82.9 -81.1 -81.2 -82.5 -83.0	IMPACT 333 AZA 51.8 47.2 47.6 42.9 38.6 42.9 51.2	ALT 659.95679 A. 33.79532 33.39309 31.65439 32.45079 33.41303 34.44143 35.70273 34.53908	B/A 0.898 0.915 0.984 0.951 0.910 0.873 0.825 0.869	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7	ON .880 INCD 68.2 65.4 62.8 64.9 67.2 68.5 66.0	239 PHAZ 40.9 47.6 53.2 47.8 42.5 42.5 42.5	EMIS 29.6 23.7 12.8 18.7 25.6 29.7 35.1	V 2.298 ALPHA 26.7 16.6 9.2 16.8 24.6 24.5 23.2 15.2	PTH ~69.015 1 SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.05213 76.85291 75.48315	AZ 15.978 PT-PT 0- 1 1- 2 2- 3 3- 4 5- 6 6- 7 7- 8
TRAJECTORY DA  PHOTO DATA  PT LAT 1 -10.917 -19 2 -11.904 -22 3 -9.768 -23 5 -9.537 -20 6 -11.852 -20 7 -14.355 -20 8 -14.327 -22 9 -14.321 -25 10 -11.962 -25	ON 72	RANGE 7.92641 2.65278 2.11945 6.09425 0.04399 8.14169 8.07815 0.25249 3.81850	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6	AZN 6.2 6.4 3.9 5.5 7.2 8.4 10.0	SEC TO 294.  AZSUN -82.4 -82.0 -80.9 -81.1 -81.2 -82.5 -83.9 -83.1	IMPACT 333 AZA 51.8 47.2 47.6 42.9 38.6 42.9 47.0 51.2 55.8	ALT 659.95679 A• 33.79532 33.39309 31.65439 32.45079 33.41303 34.44143 35.70273 34.53908 33.59054	B/A 0.898 0.915 0.984 0.951 0.910 0.873 0.825 0.826	T L 211 -27 AZPHAZ -93.6 -90.2 -85.6 -85.7 -90.2 -95.7 -95.2	ON .880 INCD 68.2 65.4 62.8 64.9 67.2 67.2 67.2 67.5 66.0 63.7	239 PHAZ 40.9 47.6 53.2 47.8 42.5 42.5 42.5 47.9 53.3	EMIS 29.6 23.7 12.8 18.7 25.6 29.7 35.1 30.1 26.5	V 2.298 ALPHA 26.7 16.6 9.2 16.8 24.6 24.5 23.2 15.2 7.3	PTH ~69.015 1 SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202	AZ 15.978 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
TRAJECTURY DA  PHOTO DATA PT LAT 1 1 -10.917 - 19 2 -11.904 -22 3 -9.768 -23 5 -9.537 -20 6 -11.852 -20 7 -14.355 -20 8 -14.327 -25 10 -11.962 -25 11 -9.768 -25	TA  ON	RANGE 7.92641 2.65278 2.11945 6.09425 0.04399 8.14169 8.025249 3.81850 7.74229 2.11945	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6	AZN 6.2 6.4 3.9 5.5 7.2 8.4 10.0 7.5 5.0	SEC TO 294.  AZSUN -82.4 -82.0 -80.9 -81.1 -81.5 -83.9 -83.0 -82.1 -81.4	IMPACT 333 AZA 51.8 47.2 47.6 42.9 38.6 42.9 47.0 51.2 55.8 51.8	ALT 659.95675 A• 33.79532 33.39309 31.65439 32.45079 33.41303 34.44143 35.70273 34.53908 33.59054	B/A 0.898 0.915 0.984 0.910 0.873 0.825 0.869 0.903	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.2 -95.7 -95.2 -94.8 -90.2	ON .88D INCD 68.2 65.4 62.8 64.9 67.2 67.8 68.5 66.0 63.7	239 PHAZ 40.9 47.6 53.2 47.8 42.5 42.5 42.5 47.9 53.3 53.0	95.412 EMIS 29.6 23.7 12.8 18.7 25.6 29.7 35.1 30.1 26.5 19.3	V 2.298 ALPHA 26.7 16.8 24.6 24.5 23.2 7.3 8.8	PTH ~69.015 1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.8521 76.85291 75.48315 70.04202 71.66408	AZ 15.978 PT-PT 0- 1 1- 2 2- 3 3- 4- 5 5- 6 6- 7 7- 8 8- 9 9-10
TRAJECTORY DA  PHOTO DATA  PT LAT 1 -10.917 - 12 2 -11.904 -22 3 -9.768 -25 4 -9.656 -25 5 -9.537 -20 6 -11.852 -20 8 -14.327 -22 9 -14.321 -22 10 -11.962 -25 11 -9.768 -27 2 -8.98 -27	ON () 976 72 9914 70350 67:157 68:472 72:472 72:472 73:472 73:472 73:472 73:472 73:472 73:472 73:472 73:472 73:472 73:472 73:472 73:472 73:479 66:	RANGE 7.92641 2.65278 2.11945 6.09425 8.14169 8.07815 0.25249 3.81850 7.74229 2.11945	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6 -41.2	AZN 6.2 6.4 3.9 5.5 7.2 8.4 10.0 7.5 5.0	SEC TO 294- AZSUN -82-4 -82-0 -80-9 -81-1 -81-2 -82-8 -83-9 -83-0 -82-1 -81-4 -80-9	IMPACT 333 AZA 51.8 47.2 47.6 42.9 38.6 42.9 51.2 55.8 51.8 47.6	ALT 659.95675 33.79532 33.39309 31.65439 32.45079 34.4143 35.70273 34.53908 33.59054 32.53082 31.65439	B/A 0.898 0.915 0.984 0.910 0.873 0.825 0.869 0.903 0.948	T L 211 -27 AZPHAZ -93.6 -90.2 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6	INCD 68.2 65.4 62.8 64.9 67.2 67.8 68.5 66.0 63.7 63.2	239 PHAZ 40.9 47.6 53.2 47.8 42.5 42.5 42.5 47.9 53.3 53.3	95.412 EMIS 29.6 23.7 12.8 18.7 25.6 29.7 35.1 26.5 19.3	V 2.298 ALPHA 26.7 16.6 9.2 16.8 24.6 24.5 23.2 15.2 7.3 8.8 9.2	PTH ~69.015 1  SCALE 0. 92.20678 97.15524 65.34591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.62900	AZ 15.978 PT-P1 0- 1 1- 2 2- 3 4- 5 5- 6 6- 7 7- 8 8- 9 10-11
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.768 -23  5 -9.537 -20  6 -11.852 -20  7 -14.355 -20  8 -14.321 -25  10 -11.962 -25  11 -9.768 -25  12 -8.098 -27	ON (.976 72 .914 70.350 67: .815 71: .472 72: .645 75: .647 73: .949 66: .499 66: .499 66: .499 66: .469 66: .469	RANGE 7.92641 2.65278 2.119425 0.04399 8.14169 8.07815 0.25249 3.81850 7.74229 2.11945 0.84813 5.94536	AZS/C -30.4 -42.4 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -20.9 -61.2 -20.9	AZN 6.2 6.4 3.9 5.5 7.5 8.4 10.0 7.5 5.0 4.4 9 2.1	SEC TO 294.  AZSUN -82.4 -82.0 -80.9 -81.1 -81.2 -82.5 -83.9 -82.1 -81.4 -80.5	IMPACT .333 AZA 51.8 47.2 47.6 42.9 47.6 51.2 55.8 51.8 47.4	ALT 659.95675 Ae 33.39309 31.65439 32.45079 33.41303 34.44143 35.70273 34.53908 31.65439 21.65439 29.45084	B/A 0.898 0.995 0.984 0.951 0.910 0.825 0.825 0.869 0.903 0.948 0.986	AZPHAZ -93.6 -90.2 -85.6 -85.2 -85.2 -85.2 -95.7 -95.7 -95.2 -94.8 -90.2 -85.2	INCD 68.2 65.4 62.8 64.9 67.2 67.8 68.5 66.0 63.7 63.2	239 PHAZ 40.9 47.6 53.2 47.8 42.5 42.5 42.5 47.9 53.3 53.3	95.412 EMIS 29.6 23.7 12.8 18.7 25.6 29.7 35.1 26.5 19.3	V 2.298 ALPHA 26.7 16.6 9.2 16.8 24.6 24.5 23.2 15.2 7.3 8.8 9.2	PTH ~69.015 1 SCALE 02.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.62900 81.79745	AZ 15.978 PT-PT 0- 1 1- 2 2- 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11
TRAJECTORY DA  PHOTO DATA PT LAT	ON (.976 72 .914 70.350 67.157 68.157 72.045 75.004 71.350 67.191 68.350 67.499 66.469 66.469 66.336 67.	RANGE 7.92641 2.65278 2.11945 6.09425 0.04399 8.07815 0.25249 3.81850 7.74229 2.11945 0.84813 5.94536	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6 -41.2 -20.9 -68.4	AZN 6.2 6.4 3.5 7.2 8.4 10.0 7.5 5.0 4.4 3.9 2.1 3.5	SEC TO 294.  AZSUN -82.4 -82.0 -80.9 -81.1 -81.2 -82.5 -83.9 -83.0 -82.1 -81.4 -80.9	IMPACT 333  AZA 51.8 47.6 42.9 42.9 55.8 51.8 51.8 44.9 42.9 44.9	ALT 659.95679 33.79532 33.39309 31.65439 32.45079 33.41303 34.44143 35.70273 34.53908 33.59054 32.53082 31.65439 29.45084	LA3 0 -7.2 B/A 0.898 0.915 0.984 0.951 0.873 0.825 0.869 0.903 0.948 0.984 0.984 0.999	T L 211 -27 AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.7 -95.2 -94.8 -94.8 -82.6	ON .880 INCD 68.2 65.4 62.8 64.9 67.2 67.8 68.5 63.7 63.2 62.8 60.5	239 PHAZ 40.9 47.6 53.2 47.8 42.5 42.5 42.5 47.9 53.3 53.0 53.2 53.2	95.412 EMIS 29.6 23.7 12.8 18.7 25.6 29.7 35.1 30.1 26.5 19.3 12.8	V 2.298 ALPHA 26.7 16.6 9.2 16.6 24.6 24.5 23.2 15.2 8.8 9.2 1.6 8.8	PTH -69.015 1 SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846	AZ 15.978 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.768 -23  5 -9.537 -20  6 -11.852 -20  7 -14.355 -20  8 -14.327 -22  9 -14.321 -25  10 -9.768 -25  11 -9.768 -25  12 -8.098 -25  14 -7.805 -23  14 -7.805 -35  15 -7.635 -25	ON .976 72 .914 70 .914 70 .915 67 .157 68 .157 68 .157 68 .157 68 .157 69 .157 69 66 .158 67	RANGE 7.92641 2.65278 2.11945 6.09425 6.09425 6.14169 8.07815 0.25249 7.74229 2.11945 0.84813 5.94536 9.47192 2.55968	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -19.3 -26.6 -41.9 -68.4 -77.9 -81.7	AZN 6.2 6.4 3.9 5.5 7.2 8.4 10.0 7.5 5.0 4.4 3.9 2.1 3.5 4.9 6.2	AZSUN -82-4 -82-0 -80-9 -81-1 -81-2 -83-9 -83-0 -81-4 -80-5 -80-5 -80-5 -80-5	IMPACT 333  AZA 51.8 47.2 47.6 42.9 38.6 47.0 51.2 55.8 47.0 38.9 47.3 38.9	ALT 659.95675 33.79532 33.39309 31.65439 32.45079 33.41303 34.54143 35.70273 34.53908 32.53082 32.53082 32.53082 32.77346 31.65439 32.77346	LAT 0.898 0.915 0.984 0.910 0.873 0.825 0.869 0.948 0.948 0.969 0.975	Z11 -27  AZPHAZ -93.6 -90.2 -85.6 -85.2 -95.7 -90.2 -95.7 -96.2 -94.8 -90.2 -81.6 -82.2 -81.6	ON .880 INCD 68.2 65.4 62.9 67.2 67.8 68.5 663.7 63.2 62.8 60.5 64.6	239 PHAZ 40.9 47.6 53-2 42.5 42.5 42.5 53.0 53.0 53.2 53.2 58.9 748.4	95.412 EMIS 29.67 12.8 18.7 25.6 29.7 35.1 26.5 19.3 12.8 3.5 9.0	V 2.298 ALPHA 26.7 16.6 216.8 24.6 24.5 215.2 7.3 8.8 9.2 1.6 8.2	PTH -69.015 1 SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846	AZ 15-978 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9-10 10-11 11-12 12-13 13-14
TRAJECTORY DA  PHOTO DATA PT LAT	TA  ON	RANGE 7. 92641 2. 65245 6. 09425 0. 04399 8. 14169 8. 07815 0. 25249 2. 11945 0. 84813 9. 47192 2. 55968 6. 71416	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6 -41.2 -20.9 -68.4 -77.9 -68.3	AZN 6.2 6.4 3.9 5.5 7.2 8.4 10.0 7.5 5.0 4.4 3.9 2.1 4.9 6.2	AZSUN -82-4 -80-9 -81-1 -81-2 -82-5 -83-9 -83-0 -82-1 -81-4 -80-5 -80-5 -80-5 -80-3 -80-3 -80-3	IMPACT 333 AZA 51.8 47.6 42.9 47.6 51.2 55.8 47.6 48.2 47.6 48.2 47.6	ALT 659.95679 33.79532 33.39309 31.65439 32.45079 33.41303 34.44143 35.70273 34.53908 33.59054 32.53082 31.65439 29.45084 30.77346 31.76259 32.66678	LA3 -7.2 B/A 0.898 0.915 0.951 0.910 0.873 0.825 0.903 0.948 0.969 0.992 0.973	T L 211 -27 AZPHAZ -93.6 -90.6 -85.6 -85.7 -90.2 -94.8 -95.7 -95.2 -94.8 -90.2 -96.6 -85.6 -82.6	ON .880 INC D 65.4 62.8 64.9 67.2 67.8 5 66.0 7 63.2 8 60.5 62.6 66.6 66.6	23° PHAZ 40°9 53°2 47°8 42°5 42°5 42°5 53°0 53°0 53°0 53°0 53°0 53°0 53°0 53	95.412 EMIS 29.6 212.8 18.7 25.6 29.7 35.1 30.1 26.5 12.8 3.5 9.0 16.2 23.7	V 2 . 298 AL PHA 26.7 16.6 2 16.8 24.6 5 23.2 15.2 38.8 9.2 6 8.8 8 16.2 7	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.40344 70.45213 76.485291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846 64.17062	AZ 15.978 PT-P1 0- 1 1- 2 2- 3 4- 5 5- 6 7- 8 9-10 10-11 11-12 12-13 13-14
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.656 -23  5 -9.537 -20  6 -11.852 -20  7 -14.355 -20  8 -14.321 -25  10 -11.962 -25  11 -9.768 -25  12 -7.805 -21  3 -7.958 -25  14 -7.805 -21  5 -7.635 -21  16 -7.442 -18	ON 72 72 73 74 75 76 72 75 76 75 76 76 76 76 76 76 76 76 76 76 76 76 76	RANGE 7. 92641 2. 65278 2. 11945 6. 09425 0. 04399 8. 14169 8. 07815 0. 25249 3. 7. 1425 2. 11945 0. 84813 5. 94536 9. 47192 2. 55968 6. 71416 6. 71416	AZS/C -30.4 -42.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6 -41.2 -77.9 -81.7 -83.6	AZN 6.2 6.9 5.5 7.2 10.0 7.5 5.0 4.9 2.1 3.9 6.2 7.5 8.7	SEC TD 294- AZSUN -82-4 -82-9 -81-1 -81-2 -82-5 -83-9 -83-0 -82-1 -81-4 -80-9 -80-5 -80-5 -80-1 -81-3	1MPACT 333 AZA 51.8 47.2 47.6 42.9 47.0 51.2 551.8 47.6 30.7 34.6 30.7	ALT 659.95675 33.79532 33.39309 31.65439 32.45079 33.41303 34.44143 35.70273 34.53908 32.59054 32.53082 31.65439 29.45084 30.77346 31.76259 32.66678 33.76717	LA3 0 -7.2 B/A 0.898 0.915 0.984 0.951 0.873 0.869 0.903 0.948 0.969 0.992 0.975 0.938	Z211 -27  AZPHAZ -93.6 -90.6 -85.6 -85.2 -94.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -85.6 -80.9 -80.9	ON .88D INC.D .65.4 62.8 64.9 67.8 68.5 663.2 62.8 60.5 62.6 63.2 62.8 66.8	239 PHAZ 40.9 47.6 47.8 42.5 42.5 42.5 47.9 53.0 53.0 53.2 53.2 53.2 43.4 43.1	95.412 EMIS 29.67 12.8 18.7 25.67 35.1 26.5 19.3 9.0 16.27 31.4	V 2.298 AL PHA 26.7 16.6 9.2 16.8 24.5 23.2 15.2 7.3 8.8 9.2 1.6 8.8 16.2 23.7 31.3	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846 64.17062 68.44269 74.26476	AZ 15-978 0-11-2-3 3-44-5 5-6-7 7-8 8-9-10 10-11 13-14 14-15
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 - 19  2 -11.904 -22  3 -9.768 -23  5 -9.537 -20  7 -14.355 -20  8 -14.327 -25  10 -11.962 -25  11 -9.768 -25  12 -8.098 -27  13 -7.985 -23  14 -7.805 -23  15 -7.442 -18  17 -9.408 -17	TA  ON 72 -976 72 -914 70 -350 67 -157 68 -815 71 -472 72 -4045 75 -617 73 -004 71 -191 68 -336 67 -499 66 -336 67 -602 70 -267 74 -801 76 -801 76 -801 76	RANGE 7. 92641 2. 65278 2. 61945 6. 09425 0. 04399 8. 14169 8. 07815 0. 25249 2. 11945 0. 84813 5. 94536 9. 47192 2. 2. 55968 6. 71416	AZS/C -30.4 -41.8 -41.8 -53.5 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6 -41.2 -20.9 -81.7 -77.9 -81.7 -72.6	AZN 6.4 3.9 5.52 8.4 10.0 5.0 4.4 3.9 2.1 3.5 4.9 2.5 7.5	SEC TD 294. AZSUN -82.4 -82.4 -82.0 -80.9 -81.1 -81.2 -82.5 -83.9 -82.1 -81.4 -80.9 -80.5 -80.5 -80.1 -81.3	IMPACT 333 AZA 51.8 47.6 42.9 38.6 42.9 551.8 47.6 48.7 38.9 34.6 48.7 38.9	ALT 659-95675 33.79532 33.39309 32.45079 33.41303 34.44143 35.70273 34.53908 31.55434 32.53082 31.65439 31.76259 32.66678 33.76717 34.58965 37.76584	8/A 0.898 0.918 0.918 0.951 0.919 0.825 0.825 0.863 0.948 0.963 0.992 0.973 0.838 0.938 0.	Z11 -27  AZPHAZ -93.6 -90.2 -85.6 -90.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.9 -80.9	ON .880 INC.D.2 65.4 62.8 67.2 67.8 66.0 7 63.2 66.5 66.6 69.3 70.4	23° PHAZ 40.9 47.6 53.2 47.8 42.5 42.5 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53	95.412 EMIS 29.6 23.7 12.8 18.7 25.7 35.1 30.1 26.5 3.5 9.0 23.7 31.4 33.6	V 2.298 ALPHA 26.7 6 9.2 16.6 6 24.5 23.2 7.3 8 9.2 1.6 8 8.2 1.6 8 8.2 3.7 31.3 32.4 6	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.485291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846 64.17062 68.44269 74.26476 60.34364	AZ 15-978 PT-P1 0-1 1-2 2-3 4-5 5-6 6-7 7-8 8-9 10-11 11-12 13-13 14-15 15-16
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.768 -23  5 -9.537 -22  7 -14.355 -20  7 -14.355 -20  10 -11.962 -25  11 -9.768 -25  12 -8.098 -27  13 -7.958 -25  14 -7.805 -21  15 -7.635 -21  16 -7.442 -18  18 -11.806 -19  18 -11.806 -19  19 -14.42 -17	ON 7.976 72 157 68: 157 68	RANGE 7. 92641 2. 11945 6. 09425 0. 04399 8. 14169 8. 07815 0. 25249 3. 81850 7. 74229 2. 11945 0. 84813 5. 94536 9. 47192 2. 55968 6. 71416 6. 07028	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -19.3 -26.6 -41.2 -20.9 -68.4 -77.9 -81.6 -72.2 -60.6	AZN 6.4 3.9 5.5 7.5 8.4 10.0 7.50 4.4 3.9 2.1 3.5 4.9 2.5 8.7 10.6	SEC TO 294- AZSUN -82-0 -80-9 -81-1 -81-2 -82-0	1MPACT 333 AZA 51.8 47.2 47.6 42.9 38.6 47.0 51.2 55.8 51.8 47.6 48.2 44.7 38.9 34.6 38.9 34.6 38.9	ALT 655-95675 33.79532 33.39309 31.655-39 32.45079 33.41303 34.41413 35.70273 34.453908 31.55439 22.53082 31.65639 29.45084 30.77346 31.77346 31.77346 31.77346 31.77346 31.77346 31.77346 31.77346 31.77346	LA3 -7 B/A 0.998 0.915 0.984 0.951 0.873 0.829 0.948 0.969 0.975 0.934 0.883 0.883 0.857 0.883 0.857	Z111 -27  AZPHAZ -93.6 -90.2 -85.6 -85.6 -85.6 -95.7 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -81.6 -80.0 -79.0 -84.2 -90.3	ON .880 INC.D .65.4 65.4 64.9 67.2 67.5 66.0 63.7 62.8 60.5 64.6 69.7 70.4 71.4	239 PHAZ 47.6 53.2 47.8 42.5 42.5 42.5 42.5 53.3 53.0 53.2 53.7 48.4 43.1 37.2 36.9	95.412 EMIS 29.6 128.7 125.6 125.6 125.6 125.6 125.6 126.5 127.7 126.7 127.7 107.7 1	V 2.298 ALPHA 7 16.6 9.2 16.8 24.6 24.5 23.2 15.2 8.8 9.2 16.8 8.8 9.2 23.7 31.3 32.4 32.6	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846 64.17062 68.44269 74.26476	AZ 15.976 PT-P1 0-11-2 2-3 4-5 5-6 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.768 -23  5 -9.537 -20  8 -14.327 -22  9 -14.327 -22  9 -14.327 -22  10 -11.962 -25  11 -9.768 -25  12 -8.098 -7  13 -7.955 -23  14 -7.805 -23  15 -7.635 -21  16 -7.442 -18  17 -9.408 -17  19 -14.412 -17  19 -14.412 -17  19 -14.412 -17  19 -14.412 -17  10 -17.319 -16	ON 7.976 72 9714 70 97	RANGE 7. 9.2641 2. 65278 2. 11945 6. 09425 0. 04399 8. 14169 3. 81859 7. 74229 2. 11945 0. 84813 9. 47192 2. 55968 6. 71416 6. 07628 9. 53503 9. 18309	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6 -41.2 -20.9 -68.4 -77.9 -83.6 -72.2 -60.6 -51.1	AZN 6.2 6.4 3.9 5.2 8.4 10.0 5.0 4.9 2.1 3.9 6.2 7.5 8.7 10.4	SEC TO 294. AZSUN 4-82.0 -80.9 -81.1 -81.2 -82.5 -83.9 -82.1 -81.4 -80.5 -80.5 -80.5 -80.6 -81.3 -81.3	IMPACT 3333 AZA 51.8 47.2 47.2 47.2 42.9 38.6 47.0 551.0 551.0 48.2 738.6 44.7 38.9 44.7 38.9 44.0 30.7	ALT 659,9567; 33,79532 33,39309 31,65439 32,45079 33,41303 34,4413 35,70273 34,451398 31,59054 32,53082 31,65439 29,45084 31,76259 32,66678 33,76717 34,58965 37,15380 37,15380 37,15380	B/A 0.898 0.915 0.984 0.951 0.910 0.873 0.869 0.903 0.948 0.969 0.992 0.975 0.883 0.857 0.869	Z11 -27  AZPHAZ -93.6 -90.2 -85.6 -90.2 -84.7 -90.2 -95.7 -90.2 -94.8 -90.2 -84.8 -90.2 -95.9 -82.2 -91.8 -90.2 -90.2 -90.3	ON .880 INC.D .65.4 64.9 67.8 66.0 7 662.5 664.8 66.0 7 762.6 66.8 69.7 70.4 271.2 3	23° PHAZ 40.9 47.6 53.2 42.5 42.5 42.5 53.0 53.0 53.0 53.0 37.9 37.9 38.0	95.412 EMIS 29.6 128.7 128.7 129.7 129.7 129.7 30.1 129.8 3.0 16.5 3.0 123.7 31.4 3.6 16.4 447.1	V 2.298 ALPHA 26.6 9.2 16.6 16.8 24.6 24.5 23.2 7.3 8.8 9.2 1.6 8.8 16.2 7.3 3.1 3.2 3.1 3.2 3.1 3.2 3.1 3.2 3.1 3.2 3.1 3.2 3.2 3.2 3.2 3.3 3.3 3.3 3.3 3.3 3.3	PTH ~69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.6290 61.79745 64.17062 68.44269 74.26476 60.34364 73.95061	PT-P1 0-1 1-2 3-4 4-5 5-6-1 7-8 8-9 10-11 11-12 12-12 13-14 14-15 15-16
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.768 -23  5 -9.537 -22  7 -14.355 -20  7 -14.355 -20  10 -11.962 -25  11 -9.768 -25  12 -8.098 -27  13 -7.958 -25  14 -7.805 -23  15 -7.635 -21  16 -7.442 -18  18 -11.806 -19  19 -14.412 -17  20 -17.319 -14.2	ON 72.914 70.350 67.4157 68.615 71.472 72.045 75.617 73.306 47.492 66.793 73.267 73.267 73.497 64.801 76.497 84.437 84.437 84.437 84.501 80.50	RANGE 7. 92641 2. 65278 2. 11945 6. 09425 0. 04399 8. 17815 0. 25249 3. 81850 7. 71850 2. 11945 0. 84813 5. 94536 9. 47192 9. 17194 6. 07628 9. 15303 9. 18309 9. 18309	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6 -41.2 -20.9 -81.7 -88.4 -77.9 -81.7 -83.6 -51.1 -43.7	AZN 6.2 6.4 3.5 7.2 8.4 10.5 5.0 4.9 2.5 4.9 6.5 8.7 10.4 12.4 112.0	SEC TO 294- AZSUN -82-0 -82-9 -81-1 -81-2 -82-0 -82-1 -81-4 -81-4 -81-3 -83-0 -87-4 -85-7 -80-5 -80-3 -83-0 -87-4 -85-7 -85-7	IMPACT 333 AZA 47-8 47-2 47-0 42-9 42-9 47-0 551-8 47-0 551-8 47-0 34-6 334-6 334-6 334-6 34-6 50-8	ALT 659-95675 33.79532 33.39309 31.65639 32.45079 33.4103 34.44143 35.70273 34.53908 31.55439 22.53082 31.65639 22.45084 30.77346 31.76259 32.66678 33.76717 34.58965 35.73360 37.15380 38.95941 37.15380 38.95941	B/A 0.898 0.915 0.916 0.951 0.951 0.825 0.825 0.825 0.825 0.948 0.984 0.992 0.975 0.938 0.838 0.838 0.948 0.969 0.975 0.975 0.975 0.975 0.975 0.975 0.975	Z11 -27  AZPHAZ -93.6 -90.2 -85.6 -85.2 -94.7 -90.2 -95.7 -95.2 -94.8 -90.2 -95.6 -82.2 -81.6 -80.9 -80.0 -79.0 -84.2 -90.2 -90.2 -90.2 -90.2	ON .880 INC D 68.2 65.4 62.8 64.9 67.2 62.8 64.6 63.2 62.5 64.6 69.3 70.4 272.3 69.4	23° PHAZ 40.9 47.6 47.8 42.5 47.8 42.5 42.5 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53	95.412 EMIS 6.7 125.67 125.67 125.67 30.12 12.87	V 2.298  ALPHA 7 16.6 9.2 16.8 24.6 24.5 23.2 1.6 8.8 16.2 23.7 31.3 32.4 32.6 31.3 28.7	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846 64.17062 68.44269 74.26476 67.34364 73.95061 80.83701	PT-P1 0- 1 1- 2- 3 4- 5 6- 1 7- 8 8- 9 10-11 11-12 12-13 14-15 16-17 17-18 18-19
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.768 -23  5 -9.537 -20  7 -14.355 -20  7 -14.355 -20  11 -9.768 -25  12 -8.098 -25  12 -8.098 -25  14 -7.805 -23  15 -7.635 -21  16 -7.442 -18  17 -9.408 -18  18 -11.806 -17  19 -14.412 -17  19 -14.412 -17  10 -17.124 -19  11 -17.124 -19  12 -17.124 -19  12 -17.124 -19  12 -17.124 -19  12 -17.124 -19  12 -17.124 -19  12 -17.124 -19  12 -17.124 -19  12 -17.124 -19  12 -17.124 -19  12 -17.124 -19	ON 72 -914 70	RANGE 7. 92641 2. 65278 2. 11945 6. 09425 0. 044399 8. 17815 0. 25249 3. 81859 7. 74229 0. 84813 9. 47192 2. 55968 6. 71416 6. 07628 9. 53503 9. 53503 9. 18309 2. 38862	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -26.6 -41.2 -20.9 -68.4 -77.9 -68.4 -77.9 -60.6 -51.1 -36.5	AZN 6.2 6.4 3.5 7.5 8.4 10.0 7.5 6.2 7.5 6.2 7.5 10.4 12.4 15.1 12.9	SEC TO 294. AZSUN 482.0 480.9 981.1 -81.2 -82.5 -83.9 982.1 -80.5	IMPACT 3333 AZA 51.8 47.2 47.2 47.2 47.0 38.6 9 47.0 55.8 47.0 55.8 47.6 48.7 38.9 42.9 34.6 30.7 34.6 30.7 34.6 30.7	ALT 659-95675 33.79532 33.39309 31.65639 32.45079 33.41303 35.70273 34.45139 35.70273 34.53908 31.55084 31.65439 29.45084 31.76259 32.66678 33.71360 37.15380 37.15380 37.15380 37.15380 37.15380 37.15380 37.15380 37.15380 37.15380 37.15380 37.15380 37.15380	B/A 0.898 0.915 0.9915 0.9910 0.825 0.825 0.825 0.825 0.948 0.984 0.984 0.989 0.992 0.975 0.857 0.857 0.876	Z11 -27  AZPHAZ -93.6 -90.2 -85.6 -90.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -91.6 -80.9 -80.9 -80.9 -80.9 -80.2 -90.2 -90.2 -90.3 -102.1	ON .880 INC.2 65.48 647.2 667.8 660.7 62.5 660.7 701.2 3 660.7 701.2 3 660.4 701.2 3 6	239 40.9 47.6 53.2 42.5 53.2 42.5 53.3 53.2 42.5 53.3 33.3 33.2 33.2 34.3 34.4 34.6 34.6 34.6 34.6 34.6 34.6	95.412 E41.67 129.67 12	V 2.298  ALPHA 7 16.6 9.2 16.8 24.6 24.5 23.2 1.6 8.8 16.2 23.7 31.3 32.4 32.6 31.3 28.7	PTH -69.015 1 SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.48315 70.04202 71.66408 66.2900 81.79745 61.01846 64.17062 68.44269 74.26476 60.34366 80.83701 90.89327	AZ 15-978 0-1 1-2-3 3-4-5 6-1 7-8 8-9-1 10-11 11-12 12-13 11-14 16-17 15-16 18-19 19-20
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.768 -23  5 -9.537 -22  9 -14.325 -20  7 -14.355 -20  10 -11.962 -25  11 -9.768 -25  12 -8.098 -27  13 -7.958 -25  14 -7.805 -23  15 -7.635 -21  16 -7.442 -18  18 -11.806 -17  9 -14.42 -17  20 -17.319 -14.22  11 -7.124 -19  22 -16.992 -22  23 -16.992 -22	ON 72.914 70.350 67.4157 68.615 71.472 72.045 75.617 73.306 47.492 66.67.499 66.67.499 66.270 73.497	RANGE 7. 92641 2. 65278 2. 11945 6. 09425 0. 04399 8. 07815 0. 25249 3. 81850 7. 74229 2. 11945 0. 84813 5. 94536 9. 47192 9. 47192 9. 47192 9. 47192 9. 53503 9. 18309 9. 18309 9. 18309 9. 18309 9. 18410	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -32.9 -19.3 -26.6 -41.2 -77.9 -81.7 -83.6 -72.2 -60.6 -51.1 -43.7 -36.0 -51.1	AZN 6.4 3.5 7.2 8.4 10.0 7.5 4.9 13.5 4.9 10.4 115.4 112.0 8.9	AZSUN AZSUN -82.4 -82.9 -81.2 -82.5 -83.9 -81.2 -82.1 -81.4 -80.9 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.3 -83.0 -87.4 -85.7 -84.3 -83.0	1MPACT 333 AZA 47.6 47.6 42.9 47.6 42.9 55.8 47.6 42.9 34.6 7 34.6 7 34.6 7 34.6 9 46.7 34.6 9 46.7 34.6 9 46.7 34.6 9 46.7 34.6 9 47.6 9 47.6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ALT 659-9675 33.79532 33.39309 31.65639 32.45079 33.41303 34.44143 35.70273 34.53908 33.59054 30.77346 30.77346 30.77346 31.76259 32.66678 33.76717 34.58965 37.15380 3	8/A 0.898 0.915 0.984 0.951 0.825 0.825 0.825 0.825 0.949 0.993 0.994 0.999 0.975 0.934 0.838 0.949 0.975 0.975 0.938 0.948 0.951 0.	Z11 -27  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -90.2 -95.8 -90.2 -94.8 -90.9 -80.0 -79.0 -84.2 -90.3 -102.2 -101.1 -100.1	ON .880 INCD 68.2 65.48 67.28 66.07 68.5 66.07 68.5 66.07 70.4 71.2 69.4 66.7 70.4 66.7	23° PHAZ 40.9 40.9 47.8 42.5 47.8 42.5 53.0 53.0 53.0 53.7 43.1 38.0 37.2 36.9 37.2 43.3 43.3 43.3	95.412 MIS6787118.67.11229.7123306.7896.7896.7896.7896.7896.7996.7996.799	V 2.298  AL PHA 7 16.6 16.8 24.6 24.6 24.5 23.2 7.3 8.8 16.2 23.7 31.3 32.4 31.3 32.4 31.3 28.7	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85213 76.85213 76.85213 76.6408 66.62900 81.79745 61.01846 64.17062 68.44269 74.2647 60.34364 73.95061 90.89227 88.82927	AZ 15.978 0-1 1-2-3 3-4 4-5 5-6 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 20-21 21-21
TRAJECTURY DA  PHOTO DATA  PT LAT  1 -10.917 -19  2 -11.904 -22  3 -9.656 -23  5 -9.537 -25  5 -9.537 -22  9 -14.321 -25  10 -11.962 -25  11 -9.768 -25  12 -8.098 -25  14 -7.805 -23  15 -7.635 -21  16 -7.442 -18  17 -9.408 -18  18 -11.806 -17  19 -14.412 -17  20 -17.319 -17  20 -17.319 -17  21 -17.124 -17  22 -16.906 -22  23 -16.906 -24  4 -16.857 -27	ON	RANGE 7. 92641 2. 65278 2. 11945 6. 09425 0. 044399 8. 17815 0. 25249 3. 81850 7. 74229 2. 11945 0. 84813 9. 47192 2. 55968 6. 71416 6. 07628 9. 53503 9. 18309 2. 38862 1. 03418 2. 10348	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -19.3 -26.6 -41.2 -20.9 -81.7 -83.6 -77.9 -83.6 -77.9 -83.6 -72.6 -53.5 -72.9 -60.6 -53.5 -72.9 -72.9	AZN 6.2 6.4 3.9 5.5 8.4 10.0 7.0 4.4 2.1 3.9 6.2 7.5 8.7 10.4 112.4 112.4 112.9 5.8	SEC TO 294. AZSUN -82.4 -82.9 -81.1 -81.2 -82.5 -83.9 -82.1 -80.5 -80.5 -80.5 -80.1 -81.4 -80.9 -80.5 -80.1 -81.4 -80.9	IMPACT 3333 AZA 51.8 47.2 47.2 47.2 47.2 47.2 55.8 47.2 55.8 47.2 55.8 47.2 55.8 47.6 30.7 34.6 30.7 34.6 34.6 36.9 46.7 55.0 59.5 59.5	ALT 659-95675 33.79532 33.39309 31.65639 32.45079 33.4.1530 34.46143 35.70273 34.453908 33.59054 32.53002 31.65639 29.45084 31.76259 32.66678 33.76717 33.76717 33.76717 33.76717 33.76717 33.76717 33.76717 33.76717 34.58905 35.59581 37.2588 37.258	LA1 0-7.2 8/A 0-898 0-915 0-910 0-973 0-825 0-869 0-948 0-984 0-885	T L 211 -27  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -82.2 -81.6 -80.9 -79.0 -79.0 -79.1 -90.2 -96.3 -102.2 -101.1 -99.3	ON .880 INCD 68.2 68.2 64.9 67.8 66.0 63.7 63.2 60.5 64.6 66.3 67.7 71.2 72.3 66.7 64.3 64.7 64.3 64.7	23° PHAZ 40.9 40.9 40.9 47.8 42.2 47.9 53.3 53.2 53.2 53.3 73.3 37.2 38.3 37.2 38.3 37.2 38.3 37.2 38.3 37.2 38.3	95.412 E MIS 678 18.	V 2 . 298 AL PHA 7 16.6 2 16.8 24.5 2 21.5 . 2 2 15.2 2 15.3 8 9.2 6 3 12.3 7 3 12.4 3 2 . 6 3 12.4 5 2 2 3 . 7 . 7 . 8 . 8 . 8 . 7 . 8 . 8 . 8 . 7 . 8 . 8	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85213 76.85213 76.4529 71.66408 66.62900 81.79745 61.01846 64.17062 68.44269 74.26476 60.34364 73.95061 80.83701 90.89227 88.82927 79.62199	AZ 15-978 0-1 0-1 2-3 4-5-6 5-6 8-9-10 10-11 13-14 13-14 15-16 16-17 17-18 18-19 19-20 20-21 21-23
TRAJECTURY DA  PHOTO DATA  PT LAT	TA  ON 72 -976 72 -914 70 -350 67 -157 68 -815 71 -472 72 -045 75 -617 73 -004 71 -191 68 -336 67 -499 66 -336 67 -267 74 -801 76 -801	RANGE 7. 92641 2. 11945 6. 09425 0. 04399 8. 14169 0. 25249 7. 74229 2. 11945 9. 47192 2. 55968 6. 07628 9. 47192 2. 35968 9. 47192 2. 35968 9. 47192 2. 35968 9. 47192 2. 35968 9. 33103 9. 47192 2. 35968 9. 47192 2. 35968 4. 12199 2. 38862 1. 23910 2. 24387	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -32.9 -19.3 -26.6 -41.2 -20.9 -68.4 -77.9 -81.7 -60.6 -51.1 -43.5 -77.9 -61.1 -73.5 -72.2 -60.6 -51.1 -60.6 -51.1 -32.3 -32.5	AZN 6.2 6.49 5.52 8.4 10.0 5.0 4.9 2.1 5.5 4.9 2.1 12.0 8.9 2.2 15.9	AZSUN AZSUN -82.4 -82.9 -81.2 -82.5 -83.9 -83.0 -82.1 -81.3 -80.5	1MPACT 3333 AZA 51.8 47.2 447.6 42.9 51.2 551.8 47.6 751.2 551.8 47.6 738.6 73	ALT 659-95675 33.79532 33.39309 31.655439 32.45079 33.41033 34.44143 35.70273 34.53908 33.59054 32.53082 31.656439 22.95082 31.656439 32.753082 31.76259 32.66678 33.76717 34.58965 37.73560 37.15380 37.15380 37.15380 37.27988 37.27988 37.27988 37.27988 37.27988 37.27988 37.27988 37.27988	LAT 0.898 0.898 0.915 0.951 0.910 0.873 0.825 0.869 0.903 0.948 0.969 0.969 0.975 0.883 0.857 0.867 0.811 0.910 0.91	Z11 -27  AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.0 -79.0 -84.2 -90.2 -96.3 -102.2 -101.1 -100.1 -99.3 -98.7	ON .880 INCD 68.2 662.8 664.9 67.8 664.0 63.7 62.8 66.0 63.7 62.8 69.3 69.3 69.3 69.4 64.3 69.4 64.3 62.4 64.3	23° PHAZ 40.9 40.9 47.8 42.2 47.9 53.0 53.0 53.0 53.0 53.0 337.2 38.9 337.2 38.3 37.2 38.3 37.2 38.3 39.0 39.0	95.412 MIS6787671186-7876-78188-67118-6718-6718-78-78-78-78-78-78-78-78-78-78-78-78-78	V 2.298 ALPHA 26.7 16.6.2 16.8 24.5 23.2 23.2 31.3 32.4 631.3 720.4 521.5 7.8 8.8 2.7 7.8 16.8 7.7 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846 64.17062 68.44269 74.26476 60.34364 80.83701 90.89297 79.62199 73.31188 68.90975 76.51412	AZ 15-978 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 22-23 23-24 24-25
TRAJECTORY DA  PHOTO DATA  PT LAT  1 -10.917 -19 2 -11.904 -22 3 -9.768 -23 5 -9.537 -20 6 -11.852 -20 7 -14.355 -20 10 -11.962 -25 11 -9.768 -25 12 -8.098 -25 14 -7.805 -21 15 -7.635 -21 16 -7.442 -18 18 -11.806 -17 17 -9.408 -18 18 -11.806 -17 19 -14.412 -17 20 -17.319 -16 22 -16.992 -22 23 -16.906 -22 24 -16.857 -27 25 -14.333 -22 25 -14.333 -22 26 -12.024 -77	ON	RANGE 7. 92641 2. 65278 2. 11945 6. 09425 0. 044399 8. 17815 0. 25249 3. 81850 7. 74225 0. 84813 5. 94536 6. 71416 6. 07628 9. 47192 2. 38862 1. 03410 2. 24387 4. 12399 7. 21786 2. 05975	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -43.4 -26.9 -19.3 -26.9 -41.2 -20.9 -81.7 -83.6 -77.9 -83.6 -77.9 -51.1 -43.7 -36.0 -75.1 -36.5 -15.1 -3.4	AZN 6.2 6.4 6.4 5.5 7.2 8.4 10.0 4.4 3.9 2.1 12.4 12.4 12.4 12.4 12.4 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	SEC TO 294.  AZSUN -82.4 -82.9 -81.1 -81.2 -82.5 -83.9 -81.1 -81.2 -80.9 -80.5 -80.5 -80.3 -80.1 -81.3 -83.0 -87.4 -80.9 -81.3 -83.0 -87.4 -80.9 -81.3 -83.0 -87.4 -80.9	IMPACT 3333 AZA 47-2 47-2 47-2 47-2 47-2 47-2 55-8 47-0 255-8 47-0 30-7 38-9 46-7 38-9 46-7 55-8 59-5 59-5 59-5 64-2 60-6	ALT 659-95675 33.79532 33.39309 31.65539 32.45079 33.41303 34.46143 35.70273 34.53908 33.59054 31.565439 22.53082 31.656439 32.53082 31.656439 31.76259 32.66678 33.76717 33.76717 33.76717 34.58905 35.73360 36.95941 37.27988	LA: 0.498 0.9915 0.9984 0.9915 0.9916 0.9916 0.9916 0.9917 0.903 0.948 0.969 0.992 0.903 0.948 0.903 0.867 0.867 0.868 0.969 0.903 0.873 0.873 0.883 0.857 0.867 0.867 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.873 0.975 0.97	Z11 -27  AZPHAZ -93.6 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -85.6 -82.2 -95.6 -82.2 -96.3 -102.2 -101.1 -99.3 -98.7	ON .880 INCD 68.2 66.2 66.2 66.5 66.0 66.8 66.9 763.2 66.8 66.9 770.4 66.7 63.2 72.3 66.7 64.6 66.8 66.7 64.6 66.8 66.7 66.7 66.7 66.7 66.7 66.7 66	236 PHAZ 40.9 40.9 40.9 47.8 42.2 47.9 53.3 53.2 53.2 53.3 748.4 43.1 337.2 337.2 48.6 8.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9	95.412 MIS67212.876 212.876	V 2 . 298 AL PHA 7 16.6 2 16.8 24.5 2 15.2 2 7.3 8 9.2 1 6.8 8 2 23.7 3 1.3 4 32.6 3 228.7 4 12.5 7 4	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.485291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846 64.17062 68.44269 74.26476 60.34364 73.95061 80.83701 90.89227 78.62199 73.31188	AZ 15.978 PT-PT 0-1 11-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 22-23 23-24 24-25 25-26
TRAJECTORY DATA PHOTO DATA PT LAY	TA  ON 72 -976 72 -914 70 -350 67 -157 68 -815 71 -472 72 -045 75 -617 73 -004 71 -191 68 -336 67 -499 66 -336 67 -267 74 -801 76 -801	RANGE 7. 92641 2. 11945 6. 09425 0. 04399 8. 14169 0. 25249 7. 74229 2. 11945 0. 84813 9. 47192 2. 55968 6. 07646 9. 47192 2. 35968 9. 47192 2. 35968 9. 47192 2. 35968 2. 24387 2. 24387 2. 24387	AZS/C -30.4 -42.8 -41.2 -58.3 -67.1 -53.5 -19.3 -26.6 -41.2 -20.9 -61.7 -68.6 -72.2 -60.6 -71.1 -43.7 -60.6 -51.1 -43.7 -60.6 -51.1 -43.7 -60.6 -51.1 -43.7 -60.6 -51.1 -43.7 -60.6 -72.2 -73.6	AZN 6.2 4 3.9 5.5 5 6.0 17.5 5.0 4 9.9 2.7 10.4 115.1 12.0 2.2 2.5 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	AZSUN AZSUN -82.4 -82.9 -81.2 -82.5 -83.9 -83.0 -82.1 -81.3 -80.5	1MPACT 3333 AZA 51.8 47.2 47.6 42.9 51.2 551.8 47.0 51.2 44.7 38.6 934.6 738.6 934.6 738.6 942.9 642.0 738.6 942.9 748.6	ALT 659-95675 33.79532 33.39309 31.655439 32.45079 33.41033 34.44143 35.70273 34.53908 33.59054 32.53082 31.656439 22.95082 31.656439 32.753082 31.76259 32.66678 33.76717 34.58965 37.73560 37.15380 37.15380 37.15380 37.27988 37.27988 37.27988 37.27988 37.27988 37.27988 37.27988 37.27988	LA1 0 -7 0 -984 0 -915 0 -915 0 -910 0 -905 0 -905	Z11 -27 AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.6 -80.9 -80.0 -79.0 -84.2 -90.3 -101.1 -100.1 -99.3 -98.7 -94.4	ON .880 INCD 68.2 4 62.8 8 64.9 67.2 62.8 66.0 62.5 66.0 62.5 66.0 62.5 64.6 69.3 69.3 69.4 71.2 71.2 76.4 64.3 62.1 62.1 62.1 60.1 61.1 61.1 61.1 61.1	234 40.9 40.9 47.8 42.5 42.5 53.3 53.9 53.3 2 43.3 38.0 2 38.0 2 38.0 2 38.0 2 38.0 2 38.0 2 38.0 5 38.0 2 38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0	95.412 EMIS 29.6 123.7 12.8 18.7 29.7 35.1 26.5 19.3 3.5 96.2 23.7 33.0 47.1 41.6 34.2 24.7 24.7 24.9 17.2 24.9	V 2.298 ALPHA 26.7 16.6.2 16.8 24.5 23.2 23.2 31.3 32.4 631.3 720.4 521.5 7.8 8.8 2.7 7.8 16.8 7.7 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	PTH -69.015.1  SCALE 0. 92.20678 97.15524 65.54591 70.04344 70.85213 76.85291 75.48315 70.04202 71.66408 66.62900 81.79745 61.01846 64.17062 68.44269 74.26476 60.34364 80.83701 90.89297 79.62199 73.31188 68.90975 76.51412	AZ 15.978 PT-PT 0-11-2 2-33-4 4-55-6 6-6-7 7-8-8 9-9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 121-22 22-23 23-24 24-25 25-26 26-27

				RA-VII	CAMERA	FA							7:
JULY 31,1964 13 H	9 20 NIN 59	SEC 597	ыc	1	TAB NO	143	ATLA	s PHOTO	NO	143		POD S	EQUENCE NO 29
	K 20 HIN 37	320 301											
TRAJECTORY DATA				SEC TO 289.		ALT 648.9629	LAT 8 -7.2		780	238	R 4.418	2.302	PTH AZ -68.952 115.96
PHOTO DATA				2074	213	040.7027		,,	• 10,				
PT LAT LON	RANGE	AZS/C		AZSUN	AZA	A+				PHAZ			SCALE PT-P
1 -10.909 -19.993 2 -11.886 -22.864		-30.6 -42.9	6.2	-82.4 -82.0	51.6 47.1	33.24505		-93.6 -90.2		40.9		16.6	0. 0- 90.23682 1-
3 -9.784 -25.261		-41.5	3.9	-80.9	47.4	31.13649		-85.6		53.2		9.3	95.60138 2-
4 -9.675 -23.104		-58.3	5.6	-81.1	42.9	31.92411	0.951	-85.2	65.0	47.8	18.8	16.9	64.49690 3-
5 -9.557 -20.799		-67.0	7.2	-81.2	38.6	32.87326	0.910	-84.7		42.4		24.6	68.92751 4- 69.70778 5-
6 -11.835 -20.461		-53.5 -43.4	8.4	-82.5 -83.9	42.9	33.88517		-90.2 -95.7		42.2		24.5	75.58464 6-
8 -14.269 -22.572		-33.1	7.5	-83.0	51.1	31.97620		95.2		41.9		15.2	74.27233 7-
9 -14.262 -24-920	702.09231	-19.5	>.0	-82.2	55.5	33.03867		-94.8		53.3		7.5	68.91832 8-
10 -11.943 -25.105		-26.8	4.4	-81.5	51.6	31.99867		-90.2		53.0		8.9 9.3	70.47172 9-1 65.53914 10-1
11 -9.784 -25.261 12 -8.143 -27.376		-41.5 -22.5	3.9 2.1	-80.9 -80.5	47.4 48.0	31.13649 28.96526		-85.6 -82.2			3.6	1.7	80.47042 11-1
13 -8.005 -25.379	655.01775	-68.3	3.5	-80.5	44.6	30.27728		-81.6		53.7		8.9	60.02155 12-1
14 -7.854 -23.280	668.40940	-77.8	4.9	-80.4	38.9	31.24531	0.975	-80.9	64.7	48.4	16.3	16.3	63.13986 13-1
15 -7.686 -21.042	691.1/388	-81.5	6.3	-80.3	34.7	32.13717		-80.0		43.1		23.7	67.34827 14-1 73.06363 15-1
16 -7.497 -18.616 17 -9.430 -18.292		-83.5 -72.1	7.5 8.7	-80.0 -81.3	30.8 34.7	33.21995		-79.0 -84.2		38.0 37.2		31.3 32.4	59.37335 16-1
18 -11.790 -17.833		-60.6	10.4	-83.0	38.9	35.15632		-90.2		36.8		32.5	72.75383 17-1
19 -14.353 -17.254		-51.2	12.4	-85.0	42.9	36.54959		-96.3	71.2	37.2	41.2	31.3	79.49135 18-1
20 -17.209 -16.499		-43.7	15.0	-87.4	46.6	38.31581				38.2		28.7	89-28723 19-2
21 -17.019 -19.509		-36.1	11.9	-85.7 -84.3	50.6	36.66711				43.3		20.5	87.32774 20-2 78.32305 21-2
22 -16.889 -22.209		-26.6 -15.3	8.9 5.9	-83.1	54.8 59.2	35.36371 34.31181		-99.3		53.8		4.8	72.12372 22-2
24 -16.753 -27.032		-2.6	2.8	-82.0	63.8	33.45398		-98.7		59.0		-2.6	67.77666 23-2
25 -14.274 -27.137	695.46560	-3.3	2.6	-81.4	60.3	32.26602	0.927	-94.4		58.5		-0-1	75.17779 24-2
26 -12.004 -27.228		-4.8	2.4	-81.0	56.5	31.29075		-90.2		58.4		1.4	68.80157 25-2
27 -9.888 -27.310 28 -8.143 -27.376		-8.3 -22.5	2.2	-80.7 -80.5	50.6 48.0	30.25002		-85.9 -82.2		58.5	9.8	1.9	64.11861 26-2 52.91558 27-2
20 -04143 -214370	47100702	-22.5		00.3	10.0	20.,0520	0.,0,	02.2	••••	,,,,			
HH V 31,1964 13 F	R 21 MIN 4	SEC. 707	MS	•	TAB NO	144	ATLA	S PHOTO	NO C	144		POD S	EQUENCE NO 29
JULY 31,1964 13 H	R 21 MIN 4	SEC 707	MS							144			•
JULY 31,1964 13 H	R 21 MIN 4	SEC 707	MS	SEC TO	IMPACT	ALT	LAT	٠ .	ON		R 73.410	٧	PTH AZ
TRAJECTORY DATA				SEC TO 284.	IMPACT 093	ALT 637.9543	LAT 5 -7.3	L 100 –27	ON •696	23	73.410	y 2.306	PTH AZ -68.888 115.95
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	SEC TO 284.	IMPACT 093	ALT 637.9543	LAT 5 -7.3 B/A	. L 100 –27 Azphaz	ON •696 INCD	23	73.410 EMIS	V 2.306 ALPHA	PTH AZ -68.888 115.95 SCALE PT~F
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.901 -20.009	RANGE 703.81130	AZS/C -30.8	AZN 6.2	SEC TO 284. AZSUN -82.5	IMPACT 093 AZA 51.4	ALT 637.9543 An 32.69336	LAT 5 -7.3 B/A U.898	L 100 –27 AZPHAZ –93.6	ON •696 INCD 68-2	231 PHAZ 40.9	73.410 EMIS 29.5	V 2.306 ALPHA 26.6	PTH AZ -68.888 115.95 SCALE PT-F
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10-901 -20-005 2 -11-869 -22-816	RANGE 703.81130 679.81618	AZS/C -30.8 -43.0	AZN 6.2 6.4	SEC TO 284. AZSUN -82.5 -82.0	IMPACT 093 AZA 51.4 47.0	ALT 637.9543 An 32.69336 32.30780	LAT 5 -7.3 8/A U.898 0.915	L 100 -27 AZPHAZ -93.6 -90.2	ON .696 INCD 68.2 65.5	23 <sup>2</sup> PHAZ 40.9 47.6	73.410 EMIS 29.5 23.8	V 2.306 ALPHA	PTH AZ -68.888 115.95 SCALE PT~F
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.901 -20.009	RANGE 703-81130 679-81618 650-10141	AZS/C -30.8	AZN 6.2	SEC TO 284. AZSUN -82.5	IMPACT 093 AZA 51.4	ALT 637.9543 An 32.69336 32.30780 30.61743 31.39569	LAT 5 -7.3 B/A 0.898 0.915 0.983	L 100 –27 AZPHAZ –93.6	UN .696 INCD 68.2 65.5 63.0	23 <sup>2</sup> PHAZ 40.9 47.6 53.2 47.8	73.410 EMIS 29.5 23.8 13.0 18.8	V 2.306 ALPHA 26.6 16.7 9.4 16.9	PTH AZ -68.888 115.95 SCALE PT-P 0. 0- 88.33904 1- 94.04032 2- 63.44263 3-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.901 -20.005 2 -11.869 -22.816 3 -9.802 -25.175 4 -9.694 -23.055 5 -9.579 -20.785	RANGE 703.81130 679.81618 650.10141 663.78835	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0	AZN 6.2 6.4 3.9 5.6 7.2	SEC TO 284.  AZSUN -82.5 -82.0 -81.1 -81.2	IMPACT 093 AZA 51.4 47.0 47.3 42.8 38.7	ALT 637.9543 An 32.69336 32.30780 30.61743 31.39569 32.33117	LAT 5 -7.3 B/A 0.915 0.983 0.951	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7	UN .696 INCD 68.2 65.5 63.0 65.1 67.3	23 <sup>3</sup> PHAZ 40.9 47.6 53.2 47.8 42.4	73.410 EMIS 29.5 23.8 13.0 18.8 25.7	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.6	PTH AZ -68.888 115.95 SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4-
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.901 -20.009 2 -11.869 -22.816 3 -9.802 -25.175 4 -9.694 -23.055 5 -9.579 -20.785 6 -11.818 -20.455	RANGE 703.81130 679.81618 650.10141 663.78835 687.05659 704.57153	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6	AZN 6.2 6.4 3.9 5.6 7.2 8.4	SEC TO 284. AZSUN -82.5 -82.0 -80.9 -81.1 -81.2 -82.5	IMPACT 093 AZA 51.4 47.0 47.3 42.8 38.7 42.8	ALT 637.9543 A* 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659	LAT 5 -7.3 B/A 0.915 0.983 0.951 0.909 0.873	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2	UN .696 INCD 68.2 65.5 63.0 65.1 67.3	23 <sup>2</sup> PHAZ 40.9 47.6 53.2 47.8 42.4	73.410 EMIS 29.5 23.8 13.0 18.8 25.7	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.6 24.5	PTH AZ -68.888 115.95  SCALE PT-F 00- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.901 -20.009 2 -11.869 -22.816 3 -9.802 -25.17 4 -9.694 -23.05 5 -9.579 -20.786 6 -11.818 -20.457 7 -14.239 -20.041	RANGE 703.81130 679.81618 650.10141 663.78835 687.05659 704.57153	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5	AZN 6.2 6.4 3.9 5.6 7.2 8.4 9.9	SEC TO 284.  AZSUN -82.5 -82.0 -80.9 -81.1 -81.2 -82.5 -83.9	IMPACT 093 AZA 51.4 47.0 47.3 42.8 38.7 42.8 46.8	ALT 637.9543 A* 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135	LAT 5 -7.3 8/A 0.898 0.915 0.983 0.951 0.909 0.873	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7	UN .696 INCD 68.2 65.5 63.0 65.1 67.3 67.8	23 <sup>3</sup> PHAZ 40.9 47.6 53.2 47.8 42.4 42.2	73.410 EMIS 29.5 23.8 13.0 18.8 25.7 29.7	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.6 24.5 23.2	PTH AZ -68.888 115.97- 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6-
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.901 -20.009 2 -11.869 -22.816 3 -9.802 -25.175 4 -9.694 -23.055 5 -9.579 -20.785 6 -11.818 -20.455	RANGE 703-81130 679-81618 650-10141 663-78835 687-7855 704-57153 733-41840	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6	AZN 6.2 6.4 3.9 5.6 7.2 8.4	SEC TO 284. AZSUN -82.5 -82.0 -80.9 -81.1 -81.2 -82.5	IMPACT 093 AZA 51.4 47.0 47.3 42.8 38.7 42.8	ALT 637.9543 A* 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659	LAT 5 -7.3 8/A 0.898 0.915 0.983 0.951 0.909 0.873 0.826	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2	UN -696 INCD 68-2 65-5 63-0 65-1 67-3 67-8 68-5 66-1 63-9	23° PHAZ 40.9 47.6 53.2 47.8 42.4 42.2 42.5 47.9 53.2	73.410 EMIS 29.5 23.8 13.0 18.8 25.7 29.7 35.1 30.1 26.5	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.6 24.5 23.2 15.3	PTH AZ -68.888 115.95 SCALE PT-F 0. '0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.901 -20.005 2 -11.869 -22.816 3 -9.802 -25.175 4 -9.694 -23.055 5 -9.579 -20.786 6 -11.818 -20.455 7 -14.239 -20.041 8 -14.211 -22.525 9 -14.204 -24.831 0 -11.924 -25.026	RANGE 703.81130 679.81618 650.10141 663.7883 687.05659 704.57153 733.41840 706.41941 640.34589 665.21755	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5 -33.2 -19.8 -27.1	AZN 6-2 6-4 3-9 5-6 7-2 8-4 9-9 7-5 5-0	SEC TO 284.  AZSUN -82.5 -82.0 -80.9 -81.1 -82.5 -83.9 -83.1 -82.5 -83.1 -82.5 -83.1 -82.5 -83.1 -82.5 -83.1 -82.5 -83.1 -82.5	IMPACT 093 AZA 51.4 47.0 47.3 42.8 46.8 50.9 51.4	ALT 637.9543 A* 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135 33.41175 32.48586	LAT 5 -7.3 8/A 0.915 0.915 0.983 0.951 0.909 0.873 0.826 0.870 0.903	L 100 -27 AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2	UN .696 INC D 68.2 65.5 63.0 65.1 67.8 68.5 66.1 63.9	23° PHAZ 40.9 47.6 53.2 47.8 42.4 42.2 42.5 53.2 53.0	73.410 EMIS 29.5 23.8 13.0 18.8 25.7 29.7 35.1 30.1 26.5 19.3	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.6 24.5 23.2 15.3 7.6	PTH AZ -68.888 115.95 SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 92.7851 9-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.005 2 -11.869 -22.816 3 -9.802 -25.175 4 -9.694 -23.05 5 -9.579 -20.78 6 -11.818 -20.45 7 -14.239 -20.04 8 -14.211 -22.52 9 -14.204 -24.831 10 -11.924 -25.02 11 -9.802 -25.17	RANGE 703.81130 650.10141 650.10141 663.78835 687.05659 704.57153 733.41840 706.41941 690.34589 665.21755 650.10141	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5 -33.2 -19.8 -27.1	AZN 6.2 6.4 3.9 5.6 7.2 8.4 9.9 7.5 5.0	SEC TO 284.  AZSUN -82.5 -82.0 -80.9 -81.1 -81.2 -83.9 -83.1 -82.3 -81.5 -80.9	IMPACT 093 AZA 51.4 47.0 47.3 42.8 38.7 42.8 50.9 55.3 44.8	ALT 637.9543 A* 32.69336 30.61743 31.39569 32.33117 33.32659 34.54135 32.48586 31.46541 30.61743	B/A 0.915 0.983 0.951 0.993 0.879 0.879 0.870 0.870 0.903 0.903 0.903	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.7 -95.2 -94.8 -90.2 -85.6	UN .696 INC D 68.2 65.5 63.0 65.1 67.8 68.5 66.1 63.4 63.4	23° PHAZ 40-9 47-6 53-2 47-8 42-4 42-2 42-5 53-0 53-2	73.41C EMIS 29.5 23.8 13.0 18.8 25.7 29.7 35.1 26.5 19.3	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.5 24.5 23.2 15.3 7.6 9.0	PTH AZ -68.888 115.95 SCALE PT-F 0. '0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 10-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.901 -20.000 2 -11.869 -22.81(3 3 -9.802 -25.17; 4 -9.994 -23.05; 5 -9.579 -20.78; 6 -11.818 -20.45; 7 -14.239 -20.04; 8 -14.211 -22.52(9) -14.204 -24.81(1) 10 -11.924 -25.02(1) 11 -9.802 -25.17;	RANGE 703.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 706.41941 690.3459 665.21755 650.10141 638.91598	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5 -19.8 -27.1 -41.7	AZN 6.2 6.4 3.9 5.6 7.2 8.4 9.9 7.5 5.0 4.4 3.9 2.1	SEC TO 284.  AZSUN -82.5 -82.0 -80.9 -81.1 -82.5 -83.9 -83.1 -82.3 -81.5 -80.9 -80.4	IMPACT 093 AZA 51.4 47.0 47.3 42.8 46.8 50.9 55.3 51.4 47.8	ALT 637.9543 Ae 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135 33.41175 32.48586 31.46541 30.61743 28.47908	LAT 5 -7.3 B/A U.898 0.915 0.951 0.969 0.873 0.870 0.909 0.873 0.909 0.909 0.909	L 100 -27 AZPHAZ -93.6 -90.2 -85.6 -85.6 -85.7 -90.2 -95.7 -96.2 -94.8 -90.2 -85.6 -90.2 -95.7 -95.7 -96.2 -96.8	ON .696 INCD 68.2 65.5 63.0 65.1 67.8 68.5 66.1 63.9 63.4 63.6 60.8	23° PHAZ 40-9 47-6 53-2 47-8 42-2 42-5 47-9 53-2 53-0 53-2 58-9	73.41C EMIS 29.5 23.8 13.0 18.8 25.7 29.7 35.1 30.5 13.0 3.7	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.6 24.5 23.2 15.3 7.6 9.0 9.1	PTH AZ -68.888 115.95 SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 19- 194.3937 71-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.009 2 -11.869 -22.816 3 -9.802 -25.175 4 -9.694 -23.055 5 -9.579 -20.78 6 -11.818 -20.455 7 -14.239 -20.04 8 -14.211 -22.522 9 -14.204 -24.83 10 -11.924 -25.022 11 -9.802 -25.17 12 -8.188 -27.25 13 -8.052 -25.29	703.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 706.41941 690.34589 665.21755 650.10141 638.91598	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5 -33.2 -27.1 -41.7 -23.8	AZN 6-2 6-4 3-9 5-6 7-2 8-4 9-9 7-5 5-0 4-4 3-9 2-1 3-6	SEC TO 284.  AZSUN -82.5 -82.9 -81.1 -81.2 -82.3 -83.1 -82.3 -80.9 -80.9 -80.4 -80.5	IMPACT 093 AZA 51.4 47.0 47.3 42.8 38.7 42.8 50.9 551.4 47.3 47.8	ALT 637.9543 As 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 33.41175 32.46584 30.61743 28.47908 29.77924	LAT 5 -7.3 8/A u.898 0.915 0.951 0.951 0.967 0.870 0.870 0.870 0.903 0.948 0.949 0.949 0.949	AZPHAZ -93.6 -90.2 -85.6 -85.2 -84.7 -90.7 -95.2 -94.8 -90.2 -85.6	ON -696 INC D 68.2 65.5 63.0 67.8 68.5 66.1 63.9 63.4 63.0 60.8	23° PHAZ 40-9 47-6 53-2 47-8 42-4 42-2 42-5 53-0 53-2	73.41C EMIS 29.5 23.8 13.0 18.8 25.7 29.7 35.1 30.1 26.5 19.3 13.0	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.5 23.2 15.3 7.6 9.0 9.4 1.8	PTH AZ -68.888 115.95 SCALE PT-F 0. '0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 10-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.901 -20.000 2 -11.869 -22.81(3 3 -9.802 -25.17; 4 -9.994 -23.05; 5 -9.579 -20.78; 6 -11.818 -20.45; 7 -14.239 -20.04; 8 -14.211 -22.52(9) -14.204 -24.81(1) 10 -11.924 -25.02(1) 11 -9.802 -25.17;	RANGE 703.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 706.41941 649.34589 665.21755 650.10141 638.91598 644.06479 657.31007	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5 -19.8 -27.1 -41.7	AZN 6.2 6.4 3.9 5.6 7.2 8.4 9.9 7.5 5.0 4.4 3.9 2.1	AZSUN -82.5 -82.0 -80.9 -81.1 -81.2 -82.5 -83.9 -83.1 -82.3 -80.4 -80.5 -80.4 -80.4 -80.4	IMPACT 093 AZA 51.4 47.3 42.8 38.7 46.8 50.9 51.4 47.3 44.6 38.9	ALT 637.9543 Ae 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135 32.44584 30.61743 28.47908 29.77924 30.72633 31.60529	LAT 5 -7.3 8/A 0.898 0.915 0.995 0.995 0.873 0.873 0.826 0.870 0.903 0.948 0.903 0.948 0.903 0.909 0.909 0.909 0.909	L 100 -27 AZPHAZ -93.6 -90.2 -85.2 -85.2 -95.7 -90.2 -95.2 -94.8 -90.2 -85.6 -80.2 -81.6 -80.9	UN .696 INC D 68.2 65.5 63.0 65.1 67.3 67.4 63.4 63.4 63.4 63.4 63.4 63.4 64.7 64.7 66.7	23° PHAZ 40°9 47°8 47°8 42°4 42°5 47°9 53°2 53°2 53°2 53°2 53°4 443°4 43°1	73.41C EMIS 29.5 23.8 13.0 18.8 25.7 29.7 35.1 26.5 19.3 13.0 3.7 16.3 23.8	V 2.306 ALPHA 26.6 16.9 24.5 23.2 15.3 7.6 9.0 9.4 1.8 9.0 16.3 3.3	PTH AZ -68.888 115.95  SCALE PT-F 0. '0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 77.78912 8- 69.27851 9- 64.44743 10- 79.13977 11- 59.02207 12- 62.10394 31- 66.24593 14-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.005  2 -11.869 -22.816  3 -9.802 -25.17  4 -9.694 -23.05  5 -9.579 -20.78  6 -11.818 -20.45  7 -14.239 -20.04  8 -14.211 -22.52  9 -14.204 -24.83  10 -11.924 -25.02  11 -9.802 -25.17  12 -8.188 -27.25  13 -8.052 -25.27  15 -7.793 -23.22  15 -7.793 -23.22  16 -7.7552 -18.63	RANGE 703, 81130 679, 81618 650, 10141 663, 78835 687, 05659 704, 57153 733, 41840 706, 41941 690, 34589 665, 21755 650, 1014 668, 91598 644, 06479 657, 31007 712, 78286	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -33.2 -19.8 -27.1 -41.7 -23.9 -68.2 -77.6 -81.4	AZN 6.2 6.4 3.9 5.6 7.2 8.4 9.9 7.5 5.0 4.4 3.6 4.9 6.3	AZSUN -82.5 -80.9 -83.1 -82.3 -80.9 -80.9 -80.4 -80.5 -80.4 -80.3 -80.3 -80.3	IMPACT .093 AZA 51.4 47.3 42.8 50.9 55.3 50.9 55.3 47.8 47.8 47.8 47.8 47.8	ALT 637-9543 Ae 32.90780 30.61743 31.39569 32.33117 33.32659 34.54135 33.41175 31.46541 30.61743 28.47908 29.77924 30.72633 31.60529 32.66988	LAT 5 -7.3 8/A 0.915 0.915 0.909 0.873 0.909 0.873 0.909 0.873 0.948 0.983 0.948 0.983 0.993 0.993 0.993	LT L	UN .696 INC D 68.2 565.5 63.0 65.1 67.8 68.5 66.1 963.4 63.0 62.7 64.7 66.9 69.6	23° PHAZ 40.9 47.6 53.2 47.8 42.4 42.5 53.0 53.2 53.0 53.2 58.9 53.7 48.4 43.1	73.410 EMIS 29.5 23.8 13.0 18.8 25.7 35.1 26.5 19.3 13.7 9.2 16.3 23.8	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.5 23.2 15.3 7.6 9.0 9.4 1.8 9.0 16.3 23.8	PTH AZ -68.888 115.95 SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 10- 79.13977 11- 59.02207 12- 62.10394 13- 66.24593 15- 71.85159 15-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.901 -20.005 2 -11.869 -22.816 3 -9.802 -25.17 4 -9.694 -23.05 5 -9.579 -20.78 6 -11.818 -20.45 7 -14.239 -20.04 10 -11.224 -25.02 11 -9.802 -25.17 12 -8.188 -27.25 13 -8.052 -25.29 14 -7.903 -23.22 15 -7.738 -21.02 16 -7.552 -18.63 17 -9.453 -18.31	RANGE 703.81130 679.81618 650.10141 663.78835 687.75659 7704.57153 733.41840 7706.41941 6490.34589 6652.21755 650.10141 638.91598 644.06479 657.31007 679.73887 712.78286 721.46168	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5 -33.2 -19.8 -27.1 -41.7 -23.9 -68.2 -77.6 -81.4	AZN 6.2 6.4 3.9 5.6 7.2 8.4 9.9 7.5 5.0 4.4 3.9 2.1 3.6 6.3 7.6 8.8	SEC TO 284. AZSUN -82.5 -82.0 -80.9 -81.1 -81.2 -82.3 -81.5 -80.9 -80.4 -80.3 -80.0 -81.3	IMPACT 093 AZA 51.4 47.3 42.8 38.7 42.8 55.3 51.4 47.8 44.6 934.8 31.0	ALT 637.9543 Ae 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135 32.46581 30.61743 28.47908 29.77924 30.72633 31.60529 32.66988	LAT 5 -7.3 8/A 0.988 0.915 0.909 0.873 0.826 0.903 0.903 0.948 0.983 0.993 0.975 0.973 0.973 0.973 0.973 0.973 0.973	LT AZPHAZ -93.6 -85.2 -84.7 -90.2 -94.8 -90.2 -85.6 -80.9 -90.2 -81.6 -80.9 -84.7 -97.2 -81.6 -80.9 -79.0 -84.2	UN .696 INCD 68.2 55.5 63.0 65.1 67.8 68.5 66.1 63.4 63.0 60.8 62.7 64.7 66.9 69.2 69.2	23° PHAZ 40.9 47.6 53.2 47.8 42.4 42.2 42.5 53.2 53.2 53.2 53.2 53.2 53.2 53.2 5	73.41C EMIS 29.5 23.8 13.0 18.8 25.7 29.7 30.1 26.5 19.3 13.0 9.2 16.3 23.8 33.0	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.5 23.2 15.3 7.6 9.0 9.4 1.8 9.0 16.3 23.8 31.3	PTH AZ -68.888 115.95  SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 74.78912 8- 92.7851 9- 64.44743 10- 79.13977 11- 59.02207 12- 62.10394 13- 66.24593 14- 71.85159 15- 83.39781 16-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.005  2 -11.869 -22.816  3 -9.802 -25.17  4 -9.694 -23.05  5 -9.579 -20.78  6 -11.818 -20.49  8 -14.211 -22.52  9 -14.224 -24.83  10 -11.924 -25.02  11 -9.602 -25.17  12 -8.188 -27.25  13 -8.052 -25.29  14 -7.903 -23.22  15 -7.738 -21.02  17 -9.453 -18.63  17 -9.453 -18.31  8 -11.774 -17.86	RANGE 73.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 706.41941 690.34589 665.21755 650.10141 638.91598 644.06479 657.31007 677.73887 712.78286 721.46168	AZS/C -30.8 -43.0 -41.7 -58.6 -43.5 -43.5 -19.8 -27.1 -41.7 -23.9 -81.4 -83.4 -72.1	AZN 6-2 6-4 3-9 5-6 7-2 8-4 9-9 7-5 5-0 4-4 3-9 2-1 3-6 4-3 7-6 8-8	SEC TO 284.  AZSUN -82.0 -80.9 -81.1 -81.2 -82.5 -83.9 -83.9 -83.1 -5 -80.4 -80.3 -80.4 -80.3 -81.3 -81.3 -83.8 -83.8 -83.8 -83.8 -83.8 -83.8	IMPACT 093 AZA 51.40 47.3 42.8 45.8 50.9 55.3 47.8 47.3 47.8 44.6 38.9 31.0 34.8	ALT 637.9543 Ae 32.609336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135 33.4117 30.61743 28.47908 29.77924 30.72633 31.60529 32.66988 33.46956 33.46956	LAT 5 -7.3 B/A 0.915 0.915 0.961 0.961 0.961 0.826 0.826 0.943 0.9	LT L	UN .696 INC D 68.2 65.5 63.0 67.8 66.1 63.9 63.0 60.8 62.7 66.9 69.2 69.2 69.7 70.3	23° PHAZ 40.9 47.6 53.2 47.8 42.4 42.5 47.9 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0	73.410 EMIS 29.5 23.8 13.0 18.8 25.7 29.7 35.1 30.1 26.5 19.3 13.0 3.7 9.2 16.3 23.8 31.3 33.0 36.4	V 2.306 ALPHA 26.6 16.7 24.5 23.2 15.3 7.6 9.0 9.4 1.8 9.0 16.3 23.8 31.3 32.4	PTH AZ -68.888 115.95 SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 10- 79.13977 11- 59.02207 12- 62.10394 13- 66.24593 15- 71.85159 15-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.005  2 -11.869 -22.816  3 -9.802 -25.17  4 -9.694 -23.05  5 -9.579 -20.78  6 -11.818 -20.49  8 -14.211 -22.52  9 -14.224 -24.83  10 -11.924 -25.02  11 -9.602 -25.17  12 -8.188 -27.25  13 -8.052 -25.29  14 -7.903 -23.22  15 -7.738 -21.02  17 -9.453 -18.63  17 -9.453 -18.31  8 -11.774 -17.86	RANGE 703.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 670.34589 665.21755 6650.10141 638.91598 644.06479 657.31007 679.73887 712.78286 741.27628	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5 -33.2 -19.8 -27.1 -41.7 -72.9 -81.4 -72.1 -60.6	AZN 6.2 6.4 3.9 5.6 7.2 8.4 9.9 7.5 5.0 4.4 3.9 2.1 3.6 6.3 7.6 8.8	SEC TO 284. AZSUN -82.0 -80.9 -81.1 -81.2 -82.5 -83.9 -83.1 -82.3 -80.4 -80.4 -80.3 -80.0 -81.3 -83.0 -85.0	IMPACT 093 AZA 51.4 47.3 42.8 38.7 42.8 55.3 51.4 47.8 44.6 934.8 31.0	ALT 637.9543 Ae 32.609336 32.30780 31.39569 32.33117 33.32659 34.54135 33.4115 32.48586 31.46541 30.61743 28.47908 29.77924 30.72633 31.60529 32.66988 33.46956 35.96244 37.66949	LAT 5 -7.3 8/A 0.898 0.915 0.993 0.951 0.909 0.873 0.870 0.903 0.948 0.948 0.948 0.969 0.973 0.873 0.883 0.985 0.985 0.985 0.858 0.858 0.858 0.858 0.858 0.858 0.858 0.858 0.858 0.858 0.858 0.858 0.959 0.9770 0.858 0.858 0.858 0.870 0.870 0.870 0.97	LT AZPHAZ -93.6 -90.2 -85.6 -95.7 -90.2 -95.7 -90.2 -95.7 -90.2 -95.0 -84.2 -95.2 -96.3 -102.2 -96.3 -102.2 -96.3 -102.2	UN .696 INC D 68.5 5 63.0 1 67.8 66.1 63.9 66.1 63.0 62.7 70.3 71.1 72.1	23° PHAZ 40°9 47°6 53°2 47°8 42°4 42°5 47°9 53°2 53°2 53°2 53°2 53°2 53°2 38°2 38°2 38°2 38°2	73.410 EMIS 29.5 23.8 13.0 13.0 13.0 25.7 29.7 35.1 26.5 19.3 3.0 9.2 16.3 23.8 33.0 36.4 46.9	V 2.306  ALPHA 26.6 16.7 9.4 16.9 24.6 24.5 23.2 15.3 7.6 9.0 16.3 23.8 31.3 32.4 32.5 31.3 28.6	PTH AZ -68.888 115.95  SCALE PT-F 0. '0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 74.31261 6- 69.27851 9- 64.44743 10- 79.13977 112- 66.24593 14- 71.85159 15- 66.24593 14- 71.85159 15- 78.39781 16- 71.55124 17- 78.14075 18- 77.67996 19-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.901 -20.005 2 -11.869 -22.816 3 -9.802 -25.17 4 -9.694 -23.05 5 -9.579 -20.78 6 -11.818 -20.45 7 -14.239 -20.04 8 -14.211 -22.52 9 -14.204 -24.83 10 -11.924 -25.02 11 -9.802 -25.17 12 -8.188 -27.25 13 -8.052 -25.29 14 -7.903 -23.22 15 -7.758 -21.02 16 -7.552 -18.63 17 -9.453 -18.31 18 -11.774 -17.86 9 -14.294 -17.30 20 -17.100 -16.56 1 -16.93 -19.51	RANGE 73.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 706.41941 690.34598 665.21755 650.10141 638.91598 644.06479 767.73887 712.78286 7712.78286 7712.78286 7712.78286 7712.78286 7712.78286 7712.78286	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -33.2 -17.1 -41.7 -23.9 -81.4 -72.6 -81.4 -72.1 -51.2 -33.8	AZN 6.2 6.4 3.9 5.6 7.2 8.4 9.9 7.5 5.0 4.4 3.9 2.1 3.6 4.9 3.6 8.8 4.9 12.4	AZSUN	IMPACT 093 AZA 47-0 47-38 38-7 46-8 50-3 51-4 47-8 44-8 38-9 34-8 34-9 34-8 46-5 50-5	ALT 637.9543 Ae 32.69336 32.30780 30.61743 31.39569 34.54135 33.41175 32.48586 31.46541 30.61743 31.60529 32.66988 34.57605 34.57605 34.57605 35.96244 37.66948 36.0523	LAT 5 -7.3  B/A 0.915  0.951  0.909  0.873  0.826  0.870  0.909  0.903  0.948  0.993  0.993  0.983  0.858  0.858  0.858  0.870	LT AZPHAZ -93.6 -90.2 -85.6 -85.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.2 -96.3 -102.2 -101.1	ON .696 INCD 68.2 65.5 63.0 65.1 67.3 68.5 66.1 63.4 63.0 60.7 64.7 66.9 71.1	23° PHAZ 40-9 47-6 53-2 47-8 42-2 42-5 53-0 53-2 53-7 48-4 37-2 36-8 37-2 38-2 343-3	73.410 EMIS 29.5 23.8 13.0 18.8 25.7 29.1 26.5 13.7 26.5 13.7 16.8 31.3 36.4 41.9 41.9	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.5 23.2 15.3 7.6 9.0 9.4 1.8 9.0 16.3 32.4 32.5 31.3 32.4 32.5 31.3	PTH AZ -68.888 115.95 SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 11- 59.02207 11- 59.02207 12- 62.10394 13- 66.24593 15- 58.39781 16- 71.55124 17- 81.4075 18- 87.67996 19- 85.814075 20-
TRAJECTORY DATA  PHOTO DATA  PT LAT	RANGE 73.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 670.34589 665.21755 650.10141 638.91598 644.06479 657.31007 679.73887 712.78286 721.46168 741.26551 773.46246 821.06646	AZS/C -30.80 -41.7 -58.4 -67.0 -43.5 -33.5 -19.8 -27.6 -41.7 -23.9 -77.6 -83.4 -72.1 -51.2 -51.2 -51.2 -51.2	AZN 6.2 6.4 3.9 5.6 7.5 5.0 4.9 7.5 6.3 7.6 8.8 10.4 14.9 11.9	SEC TO 284. AZSUN -82.9 -82.0 -80.9 -81.1 -81.2 -83.9 -83.9 -80.4 -80.4 -80.4 -80.4 -80.4 -80.4 -80.4 -80.4 -80.4 -80.4 -80.4	IMPACT 093 AZA 47-03 42-8 46-8 955-3 47-8 47-8 47-8 38-9 47-8 31-8 31-8 31-8 31-8 31-8 31-8 31-8 31	ALT 637.9543 Ae 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135 32.48586 31.46541 30.61743 28.47908 29.777924 30.72633 31.60529 32.66988 33.46956 34.57605 35.94244 37.66949 36.05233 34.77001	LAT 5 -7.3 8/A 0.983 0.991 0.993 0.951 0.967 0.870 0.870 0.973 0.948 0.983 0.998 0.993 0.993 0.993 0.993 0.993 0.993 0.993 0.975 0.993 0.9	LT L	UN .696 1NCD 68.2 2 65.5 66.1 67.3 66.5 66.1 63.4 463.0 60.8 66.9 2 69.7 70.3 72.1 69.3 69.3	23° PHAZ 40'-9 47'-8 42'-2 47'-8 42'-5 42'-5 53'-9 53'	73.410 EMIS 29.5 23.8 13.0 13.0 13.0 29.7 29.7 30.5 19.3 23.8 31.3 31.3 23.8 33.0 44.4 46.9 41.4	V 2.306  ALPHA 26.6 16.7 9.4 16.9 24.6 24.5 23.2 15.3 7.6 9.0 9.4 1.8 9.0 16.3 23.8 31.3 32.4 32.5 31.3 328.6 20.5	PTH AZ -68.888 115.95  SCALE PT-F 0. '0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 10- 79.13977 11- 59.02207 12- 56.24593 14- 71.85159 15- 66.24593 14- 71.85159 15- 71.55124 17- 78.14075 18- 87.67996 19- 85.81405 21-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.005  2 -11.869 -22.816  3 -9.802 -25.17  4 -9.694 -23.05  5 -9.579 -20.78  6 -11.818 -20.45  7 -14.239 -20.04  8 -14.211 -22.52  9 -14.204 -24.83  10 -11.924 -25.02  11 -9.802 -25.17  12 -8.188 -27.25  13 -8.052 -25.27  14 -7.903 -23.22  15 -7.758 -18.63  17 -9.453 -18.36  18 -11.774 -17.80  19 -14.294 -17.30  20 -17.100 -16.56  11 -6.913 -19.51  22 -16.785 -22.17	RANGE 703.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 706.41941 690.34589 665.21755 650.10141 638.91598 644.06479 712.78286 721.46168 721.46168 721.4656	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.5 -33.2 -27.6 -81.4 -72.1 -83.4 -72.1 -51.2 -51.2 -36.2 -26.8 -27.6	AZN2 6.49 3.62 8.49 7.22 8.49 7.00 4.93 7.00 4.93 10.44 11.99 8.99	AZSUN AZSUN -82.5 -82.0 -81.2 -82.5 -83.1 -82.5 -80.9 -81.3 -81.5 -80.5 -80.4 -80.5 -87.4 -80.4	IMPA 093 AZ 4 47.03 42.87 42.87 42.87 42.87 42.87 44.69 34.69 34.80 35.80 36.80	ALT 637-9543 Ae 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 33.41175 32.48586 31.46541 30.7263 31.60529 32.66988 33.46956 34.57605 35.96243 37.66949 36.0523 34.77001 33.73204	LAT 5 -7.3 8/A U.998 0.991 0.993 0.993 0.903	LT L	UN .696 INCD 68.2 65.5 63.0 65.1 66.1 66.1 66.1 66.1 66.1 66.1 67.3 66.9 7.0 69.2 7.0 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2	23 <sup>2</sup> 40.9 47.6 53.2 47.8 42.2 47.9 53.0 53.0 53.0 53.0 37.2 48.4 43.1 36.8 37.2 43.3 43.3 43.3 43.3	73.410 EMIS 29.5 23.8 13.0 18.8 25.7 29.7 30.1 26.3 13.0 3.7 16.3 33.0 36.4 46.9 41.4	V V 2.306  ALPHA 26.6 16.7 9.4 16.9 24.5 23.2 15.3 7.6 9.0 9.4 1.8 9.0 16.3 23.8 31.3 22.4 32.5 31.3 28.6 5.1	PTH AZ -68.888 115.95 SCALE PT-F 0. 088.33904 1- 94.04032 2- 63.44263 3- 67.801347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 11- 59.02207 12- 62.10394 13- 66.24593 14- 62.10394 13- 66.24593 15- 58.39781 16- 77.185124 17- 78.14075 18- 87.67986 19- 87.67986 19- 87.67986 19- 87.67986 20- 77.01523 21- 77.91523 21- 77.91523 21-
TRAJECTORY DATA  PHOTO DATA  PT LAT	RANGE 703.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 670.34589 6650.10141 638.91598 644.06479 657.31007 679.73887 712.78286 721.46168 741.25651 773.46246 821.06636 775.97227 7427.26618	AZS/C -30.8 -43.0 -41.7 -58.4 -67.0 -53.6 -43.5 -27.6 -41.7 -23.9 -27.6 -83.4 -72.1 -60.6 -51.8 -36.2 -26.8 -36.2	AZN 2 6 - 4 - 2 6 - 4 - 9 5 - 6 2 8 - 9 7 - 5 5 - 0 4 - 9 2 - 6 - 3 3 - 7 - 6 8 10 - 4 - 9 11 - 9 9 5 2 - 9	AZSUN -82.0 -82.0 -82.0 -82.0 -83.1 -82.3 -83.9 -83.1 -82.3 -80.9 -80.4 -80.5 -80.4 -85.7 -82.3 -80.4 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.2 -85.7 -82.3 -80.3	IMPACT 093 A1.4 47.0 38.8 42.8 46.8 955.3 47.8 47.8 46.9 31.8 47.8 47.8 47.8 47.8 44.8 31.8 44.8 31.8 44.8 31.8 44.8 31.8 44.8 31.8 44.8 44.8 44.8 44.8 44.8 44.8 44.8 4	ALT 637.9543 Ae 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135 32.46581 30.61743 29.77924 30.72633 31.66529 32.66988 33.46756 34.57605 35.9424 36.9233 34.77001 33.73204	LAT 5 -7.3  8/A 8/0.983  0.915  0.983  0.951  0.963  0.963  0.9648  0.9750  0.9750  0.9767  0.7707  0.7707  0.813  0.848  0.878	LT L	ON .696 INC D 68.2 66.2 66.1 66.1 66.1 66.1 66.1 7.0 66.1 7.0 66.1 66.1 66.1 66.1 66.1 66.1 66.1 66	23° PHAZ 40'-9 47'-8 42'-2 47'-8 42'-5 42'-5 53'-9 53'	73.410 EMIS 29.5 23.8 13.0 18.8 25.7 35.1 30.5 19.3 13.0 9.2 16.3 23.8 31.3 33.0 41.1 46.4 37.1 34.5	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.5 23.2 15.3 7.6 9.0 9.4 1.8 9.0 9.4 1.8 31.3 32.4 32.5 31.3 32.5 31.3 32.5 31.3	PTH AZ -68.888 115.95 SCALE PT-F 0. 088.33904 1- 94.04032 2- 63.44263 3- 67.801347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9-1 64.464743 10- 79.13977 11- 59.02207 12- 62.10394 13- 66.24593 13- 66.24593 15- 58.39781 16- 71.55124 17- 78.14075 18- 87.67986 19- 87.67986 1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.005  2 -11.869 -22.816  3 -9.802 -25.17  4 -9.694 -23.05  5 -9.579 -20.78  6 -11.818 -20.45  7 -14.239 -20.04  8 -14.211 -22.52  9 -14.204 -24.83  10 -11.924 -25.02  11 -9.802 -25.17  12 -8.188 -27.25  13 -8.052 -25.27  14 -7.903 -23.22  15 -7.758 -18.63  17 -9.453 -18.36  18 -11.774 -17.80  19 -14.294 -17.30  20 -17.100 -16.56  11 -6.913 -19.51  22 -16.785 -22.17	RANGE 73.81130 679.81618 650.10141 663.78835 687.05659 704.57153 733.41840 706.41941 690.34589 665.21755 650.10141 638.91598 644.06479 657.31007 679.73887 712.78286 721.46168 871.95651 773.46226 821.06636 775.97227 775.97227 775.97227 775.60722 777.26618	AZS/C -30.8 -43.0 -41.7 -67.0 -53.0 -43.5 -19.8 -27.1 -41.7 -23.9 -77.6 -83.4 -72.1 -60.6 -53.8 -36.2 -26.8 -36.2	AZN2 6.49 3.62 8.49 7.22 8.49 7.00 4.93 7.00 4.93 10.44 11.99 8.99	AZSUN 782.0 -82.0 -82.0 -82.0 -81.2 -82.5 -83.1 -82.5 -80.9 -81.3 -80.5 -80.6	IMPA 093 AZ 4 47.03 42.87 42.87 42.87 42.87 42.87 44.69 34.69 34.80 35.80 36.80	ALT 637-9543 Ae 32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 33.41175 32.48586 31.46541 30.7263 31.60529 32.66988 33.46956 34.57605 35.96243 37.66949 36.0523 34.77001 33.73204	LAT 5 -7.3 B/A U.998 0.991 0.993 0.993 0.826 0.870 0.903 0.975 0.993 0.975 0.993 0.975 0.993 0.975 0.938 0.975 0.983 0.975 0.983 0.975 0.983 0.985 0.985 0.970 0.885 0.870 0.885 0.870 0.870 0.885 0.870 0.885 0.870 0.870 0.885 0.870	LT L	ON .696 INC D .68.2 66.2 66.2 66.1 63.9 66.1 63.9 66.4 7 64.7 66.7 66.7 66.2 7 61.1 62.3 66.8	233. PHAZ 40.9 47.6 47.8 42.4 42.5 53.2 53.0 53.7 53.2 53.3 53.3 48.4 43.1 37.2 38.2 48.5 53.8	73.41C EMIS 29.5 23.8 13.0 18.8 25.7 35.1 30.1 20.7 30.1 30.1 30.1 30.1 30.1 41.1 41.1 46.9 41.4 37.1 32.5 24.8 24.8	V 2.306 ALPHA 26.6 16.7 9.4 16.9 24.5 23.2 15.3 7.6 9.0 16.3 31.3 32.4 32.5 31.3 26.6 5.0 0.1 1.5	PTH AZ -68.888 115.95  SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 74.31261 6- 69.27851 9- 64.44743 10- 79.13977 11- 59.02207 12- 66.246593 14- 71.85159 15- 83.39781 16- 71.55124 17- 78.14075 18- 87.67969 19- 85.81405 20- 77.01523 21- 70.93003 21- 66.64188 23- 73.84476 42- 67.62354 25-
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.005  2 -11.869 -22.816  3 -9.802 -25.175  4 -9.694 -23.05  5 -9.579 -20.78  6 -11.818 -20.45  7 -14.239 -20.04  8 -14.211 -22.52  9 -14.204 -24.83  10 -11.924 -25.02  11 -9.802 -25.17  12 -8.188 -27.25  13 -8.052 -25.29  14 -7.903 -23.22  15 -7.738 -21.02  16 -7.552 -18.63  17 -9.453 -18.31  8 -11.774 -17.86  19 -14.294 -17.30  0 -17.100 -16.56  21 -16.913 -19.51  22 -16.785 -22.17  23 -16.701 -24.61  24 -16.651 -26.91  25 -14.215 -27.10  26 -11.984 -27.10  27 -9.904 -27.19	RANGE 73.81130 679.81618 650.10141 663.78835 687.75653 733.41840 706.41941 690.34589 665.21755 650.10141 638.91598 644.06479 657.31007 677.278286 7712.78286 7712.78286 7712.76618 7713.40246 821.06636 775.97227 775.60722 777.26618 779.14503	AZS/C -30.8 -43.0 -41.7 -53.5 -33.2 -27.6 -81.4 -72.1 -60.6 -51.2 -26.8 -27.2 -21.2	AZN 6.24 6.3 9 5.6 6.3 9 7.5 5.0 0 4.4 4 3.9 7.5 5.0 0 12.4 4 12.4 2 11.9 2.9 2.9 6.2 2.4 2.2 2.4 2.2	AZSUN AZSUN -82.5 -82.0 -81.2 -82.5 -83.1 -81.2 -82.5 -80.9 -81.3 -80.5 -80.6 -85.4 -80.3 -80.6 -85.4 -80.3 -80.0 -85.0 -85.4 -80.3 -80.0 -85.0 -85.4 -80.3 -80.0 -85.0 -85.4 -80.3 -80.0 -85.0 -80.0 -85.0 -80.0	IMPACT 093 AZA447.3 51.447.3 42.87 42.87 42.87 42.87 42.87 42.87 42.87 44.89 34.89 34.89 42.87 44.89 34.89 42.87 44.89 45.50 4	32.69336 32.30780 30.61743 31.39569 32.33117 33.32659 34.54135 33.41175 33.41175 33.41175 31.66529 32.66988 33.46956 34.57605 35.46988 33.46956 34.57605 35.94244 37.66549 37.66949 36.05233 34.77001 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021 37.77021	5 -7.3  8/A  U.998 0.915 0.993 0.905 0.907 0.873 0.909 0.873 0.908	LT L	UN .696 INCD 68.2 66.2 66.1 67.8 66.1 66.1 96.2 66.1 96.	23' PHAZ 4U.9 44'.9 47'.8 42'.2 47'.9 53'.2 53'.0 53'.2 53'.3 38'.2 38'.3 38'.2 38'.3 38'.2 38'.3 58'.5 58'.	73.41C EMIS 29.5 23.8 0 18.8 7 29.7 35.1 1 26.5 19.3 3.0 1 26.3 3.7 9.2 16.3 33.0 33.0 34.4 46.9 44.4 46.9 41.4 17.1 34.0 5 24.8 17.2 24	V 2 - 306  ALPHA 26-6 16-7 9-4 16-9 24-5 23-2 15-3 1-3 23-8 31-3 32-4 32-5 31-3 25-6 20-5 12-5 2-1 1-5 2-1	PTH AZ -68.888 115.95 SCALE PT-F 0. 088.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 73.05284 7- 67.78912 8- 69.27851 9- 64.44743 10- 79.13977 11- 59.02207 12- 52.10394 13- 66.24593 13- 66.24593 15- 78.39781 16- 78.35159 15- 78.39781 17- 78.14075 18- 87.6796 19- 87.6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.901 -20.005  2 -11.869 -22.816  3 -9.802 -25.175  4 -9.694 -23.05  5 -9.579 -20.78  6 -11.818 -20.45  7 -14.239 -20.04  8 -14.211 -22.52  9 -14.204 -24.83  10 -11.924 -25.02  11 -9.802 -25.17  12 -8.188 -27.25  13 -8.052 -25.29  14 -7.903 -23.22  15 -7.738 -21.02  16 -7.552 -18.63  17 -9.453 -18.31  8 -11.774 -17.86  19 -14.294 -17.30  0 -17.100 -16.56  21 -16.913 -19.51  22 -16.785 -22.17  23 -16.701 -24.61  24 -16.651 -26.91  25 -14.215 -27.10  26 -11.984 -27.10  27 -9.904 -27.19	RANGE 703.81130 679.81618 650.10141 663.78835 687.05659 704.571153 733.41840 679.34589 665.21755 650.10141 638.91598 644.06479 657.31007 679.73887 712.78286 721.46168 721.46168 721.46168 721.46168 721.46168 721.78286 721.78286 721.78286 721.78286 721.78466 721.78286 721.78286 721.78286 721.78286 721.78286 721.78286 721.78286 721.78286 721.78286 721.78286 721.78286 721.78386 721.78386 721.78386 721.78386 721.78386 721.78386	AZS/C -30.8 -43.0 -41.7 -53.5 -33.2 -27.6 -81.4 -72.1 -60.6 -51.2 -26.8 -27.2 -21.2	AZN 6.2 6.49 3.9 5.66 49.9 7.22 16.3 4.9 9.9 6.3 7.6 8.8 112.4 112.4 112.4 12.9 2.9 2.9	AZSUN AZSUN -82.5 -82.0 -81.2 -82.5 -83.1 -81.2 -82.5 -80.9 -81.3 -80.5 -80.6 -85.4 -80.3 -80.6 -85.4 -80.3 -80.0 -85.0 -85.4 -80.3 -80.0 -85.0 -85.4 -80.3 -80.0 -85.0 -85.4 -80.3 -80.0 -85.0 -80.0 -85.0 -80.0	IMPACT 093 AZA447.3 51.447.3 42.87 42.87 42.87 42.87 42.87 42.87 42.87 44.89 34.89 34.89 42.87 44.89 34.89 42.87 44.89 45.50 4	ALT 637.9543 Ae 32.69336 32.30780 30.61743 31.39569 34.54135 33.32659 34.54135 32.445846 31.46541 30.61743 31.60529 32.66988 33.46956 34.57605 34.57605 34.57605 34.77001 33.73204 33.48275 31.72042 32.88275 31.72042	5 -7.3  8/A  U.998 0.915 0.993 0.905 0.907 0.873 0.909 0.873 0.908	LT L	UN .696 INCD 68.2 66.2 66.1 67.8 66.1 66.1 96.2 66.1 96.	23' PHAZ 4U.9 44'.9 47'.8 42'.2 47'.9 53'.2 53'.0 53'.2 53'.3 38'.2 38'.3 38'.2 38'.3 38'.2 38'.3 58'.5 58'.	73.41C EMIS 29.5 23.8 0 18.8 7 29.7 35.1 1 26.5 19.3 3.0 1 26.3 3.7 9.2 16.3 33.0 33.0 34.4 46.9 44.4 46.9 41.4 17.1 34.0 5 24.8 17.2 24	V 2 - 306  ALPHA 26-6 16-7 9-4 16-9 24-5 23-2 15-3 1-3 23-8 31-3 32-4 32-5 31-3 25-6 20-5 12-5 2-1 1-5 2-1	PTH AZ -68.888 115.95  SCALE PT-F 0. 0- 88.33904 1- 94.04032 2- 63.44263 3- 67.80347 4- 68.55902 5- 74.31261 6- 74.31261 6- 69.27851 9- 64.44743 10- 79.13977 11- 59.02207 12- 66.246593 14- 71.85159 15- 83.39781 16- 71.55124 17- 78.14075 18- 87.67969 19- 85.81405 20- 77.01523 21- 70.93003 21- 66.64188 23- 73.84476 42- 67.62354 25-

					RA-VI	I CAMERA	FA								73
JULY 31,1964	13 HR	21 MIN 9	SEC 827	MS		TAB NO	145	ATL	AS PHOTO	NO	145		POD S	SEQUENCE N	0 296
TRAJECTORY DA	ATA					IMPACT	ALT	LA		ON:		R	٧	PTH	AZ
PHOTO DATA					278	•973	.626.93048	-7.	346 -27	-603	234	62.386	2.311	-68,823_1	
PT LAT L	ON	RANGE	AZS/C	AZN	AZSUN		A=	B/A	AZPHAZ	INCD	PHAZ	EMIS	AL PHA	SCALE	PT-PT
1 -10.893 -20 2 -11.851 -22			-31.0 -43.1	6.2	-82.5	51.2 46.9	32.14059 31.76319	0.898	-93.6	68.1	41.0	29.5		0.	0- 1
3 -9.819 -25	880.	639.06075	-41.9	3.9	-80.9		30.09745			63.1	53.2	13.1	16.7 9.5	86.44936 92.47537	
49.71323	-00L_	652,59454	58.4	5.6		42,7	30,86621	0.951		65.1	47.8	18,9	17.0	62,38584	3~.4
5 -9.600 -20 6 -11.802 -20	)-//L	692.73598	-67.0 -53.6	7.2 8.4	-81.2 -82.5		31.78791 32.76678			67.3	42.4	25.7	24.6 24.5	66.67647	4~ 5
7 -14.181 -20	0.040	721.03947	-43.6	9.9	-84.0	46.7	33.95835	0.826	-95.7	68.5	42.5	35.0	23.2	67.40763 73.03884	
8 -14.154 -22 9 -14.146 -24	2.486	694.46326 678.58020	-33.3	7.5	-83 - 1		32.84622			66.1	47.9	30.0	15.3	71.83035	7-8
10 -11 906 -24	936		-27.4	5.1 4.4	-82.3	55.0 51.2	31.93215			63.5	53.2	26.5	7.6 9.1	66.65727 68.08389	
11 -9.819 -25	.088	639.06075	-41.9	3.9	-80.9	47.1	30.09745	0.983	-85.6	63.1	53.2	13.1	9.5	63.35380	
			-25.3 -68.1	2.1 3.6	-80.4	47.6 44.5	27.99232 29.28017	0.970	-82.2	60.9	58.9	3.8	2.0	77.80661	11-12
14 -7.952 -23	173	646.18967	-77.5	5.0	-80.4		30.20636	0.975	-80.9	64.8	48.4	16.4	9.1 16.4	58.02101 61.06568	
	.008		-81.3	6.3	-80.3	34.9	31.07234	0.934	-80.0	66.9	43.1	23.8	23.8	65.14088	
_167.607 -18 17 -9.477 -18	1.062 1.347	700.76094	-83.3 -72.0	7.6 8.8	-80.0 -81.3	31.1	32.11868 32.90681	0.883	-79.0 -84.2	69.2	38.0	31.3	31.2	70.63697	
18 ~11.758 -17	.904	728.78739	-60.6	10.4	-83.0	38.9	33.99450	0.820	-90.2	70.3	36.8	36.3	32.4 32.5	57.42005 70.34594	
19 -14.234 -17 20 -16.990 -16	. 348	760.36874	-51.3	12.3	-84.9		35.33407	0.771	-96.3	71.1	37.2	41.0	31.2	76.78859	18-19
21 -16.808 -19	.628 .530	806.95836 762.72080	-43.9 -36.3	14.8	-87.3 -85.7		37.02225 35.43656	0.768	-102.2	72.1	38.2	46.8	28.5 20.5	86.07446 84.29960	
22 -16.682 -22	-131	132.83931	-20.3	5.0	84.4		34 17539	0.813	-100.1	66.8	48.6	37.0	12.7	75.70498	
	.538	714.75386	-15.6 -3.0	5.9	-83.3		33.15152	0.848	-99.3	64.5	53.B	33.9	5.1	69.13388	22-23
	898	671.93266	~3.9	2.9	-82.2 -81.6		32.31100 31.17414			62.4	59.0	32.5	-2.3	65.50467 72.51240	
	-988	648.16882	-5.6	2.4	-81.1	55.8	30.23628	0.972	-90.2	61.5	58.4	17.2	1.7	66.44463	
	.069	633.77016 627.92873	-9.7 -25.3	2.3	-80.7 -80.4		29.23698		-85.9	61-1	58.5	9.8	2.2	61.95741	
20 01233 21	•134	021.72013	-23.3	2.1	-80.4	41.0	27.99232	0.970	-82.2	60.9	58.9	3.8	2.0	51.13635	27-28
JULY 31,1964	13 HR	21 MIN 14	SEC 946	MS		TAB NO	146	ATL	AS PHOTO	NO	146		POD S	EQUENCE NO	298
TRAJECTORY DA	ATA				SEC TO		ALT	LA		ON		R	v	PTH	AZ
PHOTO DATA					273	853	615.89142	-7.	391 -27	. 508	235	51.347	2.315	-68.758 1	15.923
PT LAT L	.ON	RANGE	AZS/C		AZSUN	AZA	A.	B/A	AZPHAZ	INCD	PHAZ	EMIS	AL PHA	SCALE	PT-PT
1 -10.886 -20 2 -11.834 -22	-042			6-2	-82.5	51.0	31.58681	0.898	-93.6	68.1	41.0	29.4	26.5	0.	0- 1
3 -9.837 -25	.001	656.87527 628.00145	-42.1	6.4 4.0	-82.0 -80.9		31.21755		-90.2 -85.6	65.6	47.6 53.2	23.8	16.8 9.6	84.56295 90.90684	1- 2 2- 3
4 -9.732 -22	.950	641.37959	-58.4	5.6	-81.1	42.7	30.33573			65.2	47.8	18.9	17.1	61.32679	3- 4
5 -9.621 -20 6 -11.785 -20	1.757 1.436	663.94688	-66.9 -53.6	7.2 8.4	-81.2 -82.5		31.24357		-84.7	67.3	42.4	25.7	24.7	65.54696	4- 5
7 -14.123 -20	.040		-43.7	9.9	-84.0		32.20585 33.37429		-90.2 -95.7	67.8	42.2		24.6	66.25391 71.76341	
8 -14.096 -22	.443	682.48591	~33.5	7.5	-83.2	50.6	32.27968	0.870	-95.2	66. l	47.9	30.0	15.4	70.60543	7-8
9 -14.088 -24 10 -11.887 -24	-674 -851	666.79606	-20.2 -27.6	5.1 4.5	-82.4 -81.6		31.37757			64.0			7.7	65.52304	8- 9
11 -9.837 -25	.001		-42.1	4.0	-80.9	47.0	30.39610 29.57660		-90.2 -85.6	63.2			9.2 9.6	66.88787 62.25818	
	-013	616.92735	-26.6	2.2	-80.4	47.5	27.50497	0.970	-82.2	61.0	58.9	3.9	2.1	76.47115	
13 -8.146 -25 14 -8.002 -23		622.10561	-68.0 -77.4	3.6 5.0	-80.4 -80.4		28.78016 29.68548	0.993		62.9			9.2	57.01843	
15 -7.842 -20	.991	656.80067	-81.2	6.3	-80.2		30.53840		-80.9 -80.0	66.9	43.1	23.8	16.4 23.8	60.02530	
16 -7.662 -18		688.71729	-83.2	7.6	-80.0		31.56649		-79.0	69.2	37.9	31.3	31.2	69.42045	15-16
17 -9.500 -18 18 -11.742 -17	.940	697.17877 716.29457	-72.0 -60.6	8.6	-81.3 -83.0		32.34299 33.41185		-84.2 -90.2	69.6	37.2	32.9	32.3	56.44021	
19 -14.175 -17	.395	747.25308	-51.3	12.3	-84.9	42.7	34.72469	0.772	-96.3	71.0	37.2	41.0	32.4 31.2	69.13850 75.43507	
20 -16.880 -16 21 -16.702 -19	-692	792.83492 749.45078	-43.9	14.7			36.37430	0.711	-102.2	72.0	38.2	46.7	28.5	84.47147	19-20
-22 -16.57822	-101	720.09397	-36.4	11.8 . 8.8.	-85.8 -84.5	50.2 54.1	34.81993 33.57994	0.769 0.814	-101.1	69.3	43.3	41.3	20.5 12.7	82.78556 74.39294	
23 -16.495 -24	•460	702.22620	-15.8	5.9	-83.4	58.3	32.57029	0.849	-99.3	64.6	53.8	33.9	5.2	68.53568	22-23
	.675 .778	694.13284	-3.3 -4.2	2.9	-82.3 -81.6		31.73875		-98.6	62.5	59.0	32.4	-2.2	64.36641	23-24
26 -11.944 -26	.868	636.84212	-6.0	2.4	-81.1		29.70794		-94.4 -90.2		58.5 58.4		0.3 1.8	71.18093 65.26476	
	.949	622.69517	-10.3	2.3	-80.7	49.9	28.72943	0.993	-85.9	61.3	58.5	9.9	2.3	60.87466	26-27
28 -8.278 -27	.013	016.92735	-26.6	2.2	-80.4	47.5	27.50497	0-970	-82.2	61.0	58.9	3.9	2-1	50.24475	27-28

	RA-VII CAMERA (	FA	74
	TAB NO 1	147 ATLAS PHOTO NO	147 POD SEQUENCE NO 300
JULY 31,1964 13 HR 21 MIN 20 SEC 66 MS			
TRAJECTORY DATA	SEC TO IMPACT 268.733	ALT LAT LON 604.83707 -7.437 -27.413	R V PTH AZ 2340-292 2-319 -68-693 115-909
PHOTO DATA PT LAT LON RANGE AZS/C AZ	N AZSUN AZA	A. B/A AZPHAZ INCD	PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C AZ 1 -10.878 -20.058 667.49597 -31.3 6.		31.03216 0.898 -93.6 68.1	41.0 29.3 26.4 0. 0-1
2 -11.816 -22.672 645.37569 -43.4 6.		30.67104 0.915 -90.2 65.7	47.6 23.9 16.8 82.66830 1- 2 53.2 13.2 9.7 89.33581 2- 3
3 -9.854 -24.914 616.92530 -42.4 4. 4 -9.751 -22.898 630.14686 758.5 5.		29.05496 0.982 -85.6 63.2 29.80441 0.950 -85.2 65.2	53.2 13.2 9.7 89.33581 2- 3 47.8 19.0 17.1 60.26603 3- 4
5 -9.642 -20.743 652.36306 -66.9 7.	2 -81.2 38.7	30.69841 0.909 -84.7 67.3	42.4 25.7 24.7 64.41600 4-5
6 -11.768 -20.427 668.99997 -53.7 8.			42.2 29.7 24.6 65.09857 5- 6 42.5 35.0 23.2 70.48714 6- 7
7 -14.064 -20.039 696.22014 -43.8 9- 8 -14.038 -22.400 670.49149 -33.6 7.		32.78946 0.827 -95.7 68.5 31.71234 0.870 -95.2 66.2	47.9 30.0 15.4 69.37940 7- 8
9 -14.030 -24.591 654.99566 -20.4 5.	1 -82.4 54.5	30.82222 0.904 -94.8 64.1	53.2 26.4 7.6 64.38720 8- 9
10 -11.868 24.766 631.28006 -27.9 4.			53.0 19.4 9.3 65.69071 9-10 53.2 13.2 9.7 61.16097 10-11
11 -9.854 -24.914 616.92530 -42.4 4. 12 -8.323 -26.891 605.91210 -27.8 2.			58.9 4.0 2.2 75.13367 11-12
13 -8.193 -25.027 611.10168 -67.9 3.	6 -80.4 44.4	28.27937 0.994 -81.6 63.0	53.7 9.5 9.3 56.01450 12-13
14 -8.051 -23.065 623.89278 -77.2 5.			48.4 16.5 16.5 58.98337 13-14 43.1 23.8 23.8 62.92482 14-15
15 -7.894 -20.974 645.30460 -81.1 6. 16 -7.717 -18.708 676.65934 -83.1 7.			37.9 31.3 31.2 68.20358 15-16
16 -7.717 -18.708 676.65934 -83.1 7. 17 -9.523 -18.402 685.01022 -71.9 8.		31.77844 0.858 -84.2 69.6	37.2 32.9 32.3 55.45909 16-17
18 -11.726 -17.975 703.78643 -60.6 10.			36.8 36.3 32.4 67.92964 17-18 37.2 40.9 31.1 74.08173 18-19
19 -14.116 -17.442 734.12497 -51.4 12. 20 -16.771 -16.756 778.70692 -44.0 14.	2 -84.9 42.7 6 -87.3 46.3		38.2 44.6 28.4 82.87239 19-20
20 -16.771 -16.756 778.70692 -44.0 14. 21 -16.596 -19.551 736.16959 -36.5 11.	7 -85.8 50.0	34.20278 0.770 -101.1 69.2	43.3 41.2 20.5 81.27438 20-21
22 -16.475 -22.065 707.31513 -27.2 8.	8 ~84.5 53.9	32.98387 0.815 -100.1 66.8	48.6 36.8 12.8 73.08070 21-22 53.8 33.8 5.3 67.33628 22-23
23 -16.393 -24.381 689.68574 -16.0 5			53.8 33.8 5.3 67.33628 22-23 59.0 32.3 -2.0 63.22707 23-24
24 -16.342 -26.556 681.61061 -3.5 3. 25 -14.038 -26.658 648.34176 -4.6 2.			58.5 24.7 0.5 69.85024 24-25
26 -11.924 -26.748 625.50017 -6.4 2	5 -81.2 55.2	29.17890 0.972 -90.2 61.7	58.4 17.2 1.9 64.08405 25-26
27 -9.951 -26.828 611.60524 -11.0 2.			58.5 9.9 2.4 59.79035 26-27 58.9 4.0 2.2 49.35201 27-28
28 -8.323 -26.891 605.91210 -27.8 2	2 -80.4 47.3	27.01707 0.970 -82.2 61.1	38.9 4.0 2.2 47.33201 27 20
	TAB NO	148 ATLAS PHOTO NO	148 POD SEQUENCE NO 302
JULY 31,1964 13 HR 21 MIN 25 SEC 186 MS			
TRAJECTORY DATA	SEC TO IMPACT 263.613	ALT LAT LON 593.76758 -7.483 -27.316	R V PTH AZ 2329.223 2.323 -68.627 115.894
PHOTO DATA PT LAT LON RANGE AZS/C A	N AZSUN AZA	A. B/A AZPHAZ INCD	PHAZ EMIS ALPHA SCALE PT-PT
1 -10.870 -20.074 655.35258 -31.5 6	2 -82.6 50.6	30.47641 0.898 -93.6 68.1	41.1 29.3 26.4 0. 0-1
	5 -82.1 46.5		47.6 23.9 16.9 80.78322 1- 2 53.2 13.3 9.8 87.76079 2- 3
3 -9.871 -24.828 605.82950 -42.6 4 4 -9.770 -22.847 618.89108 -58.5 5	.0 -80.9 46.7 .6 -81.1 42.6		47.8 19.1 17.2 59.20265 3- 4
5 -9.663 -20.730 640.75351 -66.9 7	2 -61.2 38.7	30.15204 0.909 -84.7 67.3	42.4 25.8 24.7 63.28202 4- 5
6 -11.751 -20.419 657.09641 -53.7 8	4 -82.5 42.6		42.2 29.7 24.6 63.94057 5- 6 42.5 34.9 23.2 69.20865 6- 7
	.8 -84.0 46.3 .5 -83.2 50.2	32.20340 0.827 -95.7 68.5 31.14389 0.870 -95.2 66.2	42.5 34.9 23.2 69.20865 6- 7 47.9 30.0 15.5 68.15028 7- 8
	1 -82.5 54.3	30.26595 0.904 -94.8 64.1	53.2 26.4 7.9 63.24859 8- 9
10 -11.849 -24.681 619.92935 -28.1 4	.5 -81.7 50.6		53.0 19.4 9.4 64.49193 9-10 53.2 13.3 9.8 60.06186 10-11
11 -9.871 -24.828 605.82950 -42.6 4	.0 -80.9 46.7		53.2 13.3 9.8 60.06186 10-11 58.9 4.1 2.4 73.79359 11-12
	.2 -80.4 47.1 .6 -80.4 44.3		53.7 9.6 9.4 55.00891 12-13
	.0 -80.3 38.9	28.64116 0.974 -80.9 65.0	48.4 16.6 16.6 57.93903 13-14
	4 -80.2 35.1		43.1 23.9 23.9 61.81330 14-15 37.9 31.3 31.2 66.98404 15-16
	.7 -79.9 31.5 .8 -81.2 35.0		2 37.9 31.3 31.2 66.98404 15-16 5 37.1 32.9 32.3 54.47565 16-17
17 -9.546 -18.430 672.81429 -71.9 8 18 -11.709 -18.011 691.25021 -60.6 10		32.24380 U.821 -90.2 70.2	36.8 36.2 32.4 66.71827 17-18
19 -14.056 -17.489 720.97008 -51.4 12	.2 -84.9 42.7	33.50351 0.774 -96.3 70.9	37.2 40.8 31.1 72.72660 18-19 3 38.2 46.4 28.4 81.27462 19-20
20 -16.661 -16.820 764.55772 -44.1 14		35.07701 0.714 -102.2 71.6 33.58459 0.771 -101.1 69.2	3 38.2 46.4 28.4 81.27462 19-20 2 43.3 41.1 20.5 79.76225 20-21
	.0 -85.8 49.9 .7 -84.6 53.7	32.38685 0.816 -100.1 66.9	48.6 36.8 12.9 71.76587 21-22
23 -16.289 -24.302 677.12851 -16.2 5	.9 -83.5 57.7	31.40586 0.851 -99.3 64.7	7 53.8 33.7 5.4 66.13432 22-23
24 -16.238 -26.437 669.07684 -3.8 3	.0 -82.5 62.0		7 59.0 32.2 -1.8 62.08601 23-24 2 58.5 24.6 0.6 68.52022 24-25
	.7 -81.8 58.6 .5 -81.2 54.9		8 58.4 17.2 2.0 62.90247 25-26
	.3 -80.7 49.4	27.71235 0.993 -85.9 61.5	5 58.5 10.0 2.6 58.70446 26-27
	.2 -80.4 47.1	26.52854 0.970 -82.2 61.3	3 58.9 4.1 2.4 48.45791 27-28

OD	SEQUENCE	NO	304
v	DTU		,

JOLY 31,1	964 13 HR	21 MIN 30	SEC 306	MS		TAB NO	149	ATL	AS PHOT	0 NO	149		POD S	SEQUENCE N	0 304
TRAJECTO						IMPACT	ALT 582.68213	LA'		.ON 7.219	23	R 18,137	v 2.328	PTH -68.560 l	AZ 15.880
PHOTO DA		24400									_				
PT LAT	LON - 20, 000	RANGE 643.18922	AZS/C	AZN 6.2	AZSUN -82.7	AZA 50.5	A+ 29.91938		AZPHAZ					SCALE	PT-PT
		622.30070		6.5	-82.1	46.4	29.57441			65.7	47.6	23.0	16.0	0. 78.91648	0- 1 1- 2
3 -9.888	-24.741	594.71152	-42.8	4.0	-81.0	46.5	28.00877				53.2		9.9	86.18069	
4 -9.789			-58.5	5.6	-81.1	42.5	28.73832	0.949	-85.2	65.3	47.8	19.1	17.2	58.13610	
5 -9.683		629.11283	-66.9	7.2	-81.2		29.60421			67.3	42.4	25.8	24.7	62.14403	
6 -11.734		645.16041		8.4	~82.5		30.51649						24.6	62.77934	
7 -13.947	-20.039	671.3C013 646.42787		9.8	-84.0		31.61582				42.5		23.2	67, 92754	
9 -13.913				7.4 5.1	-83.3 -82.6		30.57412				47.8 53.2		15.6 8.0	66.91685 62.10652	
10 -11.830			-28.4	4.5	-81.7		28.78530				53.0		9.5	63.29151	
	-24.741		-42.8	4.0	-81.0		28.00877				53.2		9.9	58.96031	
			-30.1	2.2	-80.4		26.03931				58.9		2.5	72.45049	
13 -8.287	-24.851	589.03641	-67.8	3.7	-80.4	44.2	27.27440	0.994					9.5	54.00138	12-13
14 -8.150	-22.958	601.51099	-77.0				28.11732			65.0	48.4	16.7		56.89168	
15 -7.998	-20.940	622.23502 652.45963	-80.8	0.4	-80.2	35.2	28.93072						23.9	60-69806	
			-71.8	1 • 1	-79.9 -81.2	31.0	29.90414 30.64521							65.76043 53.48922	15-16
		678.67787		10.3	-82-G	39.0	31.65743							65.50316	
19 -13.996	-17.537	707.77953	-51.5	12.1	-84.9	42.6	32.89064							71.36874	
20 -16.550	-16.885	750.37715	-44.1	14.4	-87.3	46.1	34.42643	0.715	-102.2	71.8	38.2	46.3	28.3	79.67688	
		709.53278	-36.7	11.6	-85.9		32.96503	0.772	-101.1	69.2	43.3	41.0	20.5	78.24688	20-21
		681-69093	-27.5	8.1	-64.7	53.5	31.78865							70.44710	
		656.52964	-16.4	5.9	-83.6		30.82235						5.5	64.92696	
		624.69020	-4.0 -5.2	3.0 2.7	-82.6 -81.9		30.01889 28.98221				58.5			60.94284	23-24
26 -11.883		602.76688	-7.3	2.5	-81.3		28.11850				58.4		0.7 2.2	67.19075 61.71960	
27 -9.982		589.37729	-12.4	2.3			27.20263				58.5		2.7	57.61698	
28 -8.413					-80.4	47.0	26.03931						2.5	47.56235	
						T40 NO									
JULY 31,1	964 13 HR	21 MIN 35	SEC 426	MS		TAB NO	150	ATL	AS PHOTO	O NO	150		POD S	EQUENCE N	0 306
JULY 31,1 TRAJECTO		21 MIN 35	SEC 426		SEC TO	IMPACT	ALT	LA	т і	.ON		R	٧	PTH	AZ
TRAJECTO	RY DATA	21 MIN 35	SEC 426		SEC TO			LA	т і	.ON			٧	•	AZ
TRAJECTO PHOTO DA	RY DATA				SEC TO 253	IMPACT	ALT 571.58130	LA 2 -7.	T I 577 -2	.ON 7.121	23	07.037	v 2.332	PTH -68.493 1	AZ 15.865
TRAJECTO PHOTO DA PT LAT	RY DATA Ta Lûn	21 MIN 35 RANGE 631.00651	AZS/C	AZN	SEC TO 253	IMPACT 373	ALT 571.58130	LA 2 -7.	T I 577 -21 Azphaz	.ON 7.121 INCD	23	07.037 Emis	V 2.332 Alpha	PTH -68.493 1 SCALE	AZ 15.865 PT-PT
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762	RY DATA  TA  LON  -20.106  -22.531	RANGE 631.00651 610.71732	AZS/C -31.8	AZN	SEC TO 253	IMPACT .373 AZA 50.3	ALT 571.58130	LA 2 -7.	T I 577 -23 AZPHAZ -93.6	.GN Z.121 INCD 68.1	23: PHAZ 41.1	07.037 EMIS 29.2	V 2.332 ALPHA 26.3	PTH -68.493 1	AZ 15.865 PT-PT 0- 1
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905	RY DATA  LON -20.106 -22.531 -24.655	RANGE 631.00651 610.71732 583.56957	AZS/C -31.8 -43.7 -43.0	AZN 6.2 6.5 4.0	SEC TO 253- AZSUN -82.7 -82.1 -81.0	IMPACT .373 AZA 50.3 46.3	ALT 571.58130 A= 29.36091 29.02392 27.48403	B/A 0.898 0.914 0.981	T I 577 -23 AZPHAZ -93.6 -90.2 -85.5	.ON 7.121 INCD 68.1 65.8 63.5	239 PHAZ 41.1 47.6 53.2	EMIS 29.2 23.9 13.4	V 2.332 ALPHA 26.3	PTH -68.493 1 SCALE 0. 77.08042 84.59463	AZ 15.865 PT-PT 0- 1 1- 2 2- 3
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808	TA LON -20.106 -22.531 -24.655 -22.746	RANGE 631.00651 610.71732 583.56957 596.29535	AZS/C -31.8 -43.7 -43.0 -58.6	AZN 6.2 6.5 4.0 5.7	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.1	IMPACT .373 AZA 50.3 46.3 46.4 42.5	ALT 571.58130 Ae 29.36091 29.02392 27.48403 28.20320	B/A U.898 0.914 0.981 0.949	T I 577 -23 AZPHAZ -93.6 -90.2 -85.5 -85.2	INCD 68.1 65.8 63.5 65.4	239 PHAZ 41.1 47.6 53.2 47.8	EMIS 29.2 23.9 13.4 19.2	V 2.332 ALPHA 26.3 17.0 9.9 17.3	PTH -68.493 1 SCALE 0. 77.08042 84.59463 57.06569	AZ 15.865 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704	TA LON -20.106 -22.531 -24.655 -22.746 -20.705	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8	AZN 6.2 6.5 4.0 5.7 7.3	SEC TO 253.  AZSUN -82.7 -82.1 -61.0 -81.1 -81.2	IMPACT -373 AZA 50.3 46.3 46.4 42.5 38.7	ALT 571.58130 A* 29.36091 29.02392 27.48403 28.20320 29.05466	B/A U.898 0.914 0.981 0.949	T 1 577 -2 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7	.ON 7.121 INCD 68.1 65.8 63.5 65.4	239 PHAZ 41.1 47.6 53.2 47.8 42.4	EMIS 29.2 23.9 13.4 19.2 25.8	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7	PTH -68.493 1 SCALE 0. 77.08042 84.59463 57.06569 61.00092	AZ 15.865 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717	LON -20.106 -22.531 -24.655 -22.746 -20.405	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.8	AZN 6.2 6.5 4.0 5.7 7.3 8.4	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 +82.5	IMPACT -373 AZA 50.3 46.3 46.4 42.5 38.7 42.5	ALT 571.58130 A* 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010	B/A 0.898 0.914 0.981 0.949 0.908	T I 577 -23 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2	.ON 7.121 INCD 68.1 65.8 63.5 65.4 67.4	239 PHAZ 41.1 47.6 53.2 47.8 42.4	EMIS 29.2 23.9 13.4 19.2 25.8 29.7	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7 24.6	PTH -68.493 1 SCALE 0. 77.08042 84.59463 57.06569 61.00092 61.61413	AZ 15.865 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888	TA LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.40	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18599 658.78477	AZS/C -31.8 -43.7 -43.0 -58.6 -663.8 -44.0	AZN 6.2 6.5 4.0 5.7 7.3 8.4 9.8	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -82.5 -84.1	IMPACT .373 AZA 50.3 46.3 46.4 42.5 38.7 42.5 46.1	ALT 571.58130 A. 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639	B/A 0.898 0.914 0.981 0.949 0.908 0.873 0.828	T I 577 -23 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7	INCD 68.1 65.8 63.5 67.4 67.9 68.4	23f PHAZ 41.1 47.6 53.2 47.8 42.4 42.2	EMIS 29.2 23.9 13.4 19.2 25.8 29.7 34.8	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7 24.6 23.2	PTH -68.493 1 SCALE 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278	AZ 15.865 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888	TA LON - 20.106 - 22.531 - 24.655 - 22.746 - 20.705 - 20.405 - 20.040 - 22.273	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.8 -44.0 -34.1	AZN 6.2 6.5 4.0 5.7 7.3 8.4 9.8 7.4	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -82.5 -84.1 -83.3	IMPACT .373 AZA 50.3 46.3 46.4 42.5 38.7 42.5 46.1 49.9	ALT 571.58130 A= 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283	B/A U.898 0.914 0.981 0.949 0.968 0.873 0.828 0.871	T I 577 -27 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7	INCD 68.1 65.8 63.5 65.4 67.4 67.9 68.4	23 PHAZ 41.1 47.6 53.2 47.8 42.4 42.2 42.5 47.8	EMIS 29.2 23.9 13.4 19.2 25.8 29.7 34.8	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7 24.6 23.2 15.6	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 65.67778	AZ 15.865 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.8862 9 -13.854 10 -11.810	LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.405 -20.040 -22.273 -24.346 -24.513	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 638.18593 658.78477 634.34983 619.46506	AZS/C -31.8 -43.7 -43.0 -58.6 -663.8 -44.0	AZN 6.2 6.5 4.0 5.7 7.3 8.4 9.8 7.4	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -82.5 -84.1 -83.3	IMPACT -373 AZA 50-3 46-3 46-4 42-5 38-7 42-5 46-1 49-9 53-8	ALT 571.58130 A. 29.36091 29.02392 27.48403 28.20320 29.95010 31.02639 30.00283 29.15012 28.24614	B/A 0.898 0.914 0.981 0.949 0.908 0.873 0.828 0.871 0.904	T 1 577 -2 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8	INCD 68.1 65.8 63.5 65.4 67.4 66.3 64.3 64.3	23 PHAZ 41.1 47.6 53.2 47.8 42.4 42.2 47.8 53.2	EMIS 29.2 23.9 13.4 19.2 25.8 29.7 34.8 29.9 26.3	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7 24.6 23.2 15.6 8.1	PTH -68.493 1 SCALE 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278	AZ 15.865 PI-PT 0- 1 1- 2 2- 4 4- 5 5- 6 6- 7 7- 8 8- 9
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810	TA  LON  -20.106  -22.531  -24.655  -22.746  -20.705  -20.405  -20.405  -20.405  -20.405  -20.405  -20.405  -20.405  -20.405  -20.405  -20.405  -20.405	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678	AZS/C -31.8 -31.7 -43.0 -58.6 -66.8 -43.0 -34.1 -21.1 -21.1 -28.6 -43.0	AZN 6.5 4.0 5.7 7.3 8.4 9.8 7.4 5.1	SEC TO 253 AZSUN -82-1 -81-0 -81-1 -81-2 -82-5 -84-1 -83-3 -82-6 -81-7 -81-0	IMPACT 373 AZA 50.3 46.4 42.5 38.7 46.1 49.9 53.8 50.2 46.4	ALT 571.58130 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403	B/A U-898 0.914 0.981 0.947 0.908 0.873 0.828 0.871 0.904 0.947	T 1 577 -23 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -90.2 -94.8 -90.2	INCD 68.1 65.8 63.5 65.4 67.4 67.9 68.4 66.3 64.3	230 PHAZ 41.1 47.6 53.2 47.8 42.4 42.2 42.5 53.2 53.2 53.2	07.037 EMIS 29.2 23.9 13.4 19.2 25.8 29.7 34.8 26.3 19.5 13.4	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7 24.6 23.2 15.6	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 65.67778 65.67778	AZ 15.865 PT-PT 0-11-22-33-44-55-66-77-88-99-10
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905	TA LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.405 -20.405 -20.2273 -24.346 -24.513 -24.655	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 638.18593 658.78477 634.34983 619.46506 597.15678 583.56957 572.77588	AZS/C -43.7 -43.0 -58.6 -53.8 -44.1 -21.1 -28.6 -43.0	AZN 6.2 6.5 4.0 5.7 7.3 9.8 7.4 5.1 4.5 4.0	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.1 -82.5 -84.1 -83.3 -82.6 -81.7 -81.0 -80.4	IMPACT.373  AZA 50.3 46.3 46.4 42.5 46.1 42.5 46.1 49.9 53.8 50.2 46.4	ALT 571.58130 Ae 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 30.15012 28.24614 27.48403 25.54933	B/A 0.984 0.981 0.949 0.908 0.873 0.828 0.871 0.904 0.947 0.947	T 1 577 -2 AZPHAZ -93.6 -90.2 -85.5 -85.2 -95.7 -90.2 -95.7 -94.8 -90.2 -85.5	INCD 68.1 65.8 63.5 65.4 67.4 67.9 68.3 64.3 64.3	23 PHAZ 41.1 47.6 53.2 47.8 42.2 42.5 47.8 53.2 53.2 53.2	07.037 EMIS 29.2 23.9 13.4 19.2 25.8 29.7 34.8 29.3 19.5 13.4	V 2.332 ALPHA 26.3 17.0 9.9 24.7 24.6 23.2 15.6 8.1 9.5 9.5 9.9	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.64473 66.64278 65.67778 65.67778 67.87619 71.10404	AZ 15.865 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.908 5 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905 12 -8.458	TA LON -20-106 -22-531 -24-655 -22-746 -20-705 -20-405 -20-2273 -24-346 -24-513 -24-655 -26-528	RANGE 631.00651 633.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 583.56957 572.77588	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.8 -44.0 -34.1 -21.1 -28.6 -43.0 -31.1 -67.7	AZN 6.2 6.5 4.0 7.3 8.4 9.8 7.1 4.5 4.0 2.2	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -84.1 -83.3 -84.6 -81.6 -81.6 -80.4 -80.4 -80.4	IMPACT -373 AZA 50.3 46.4 42.5 38.7 42.5 46.1 49.9 53.8 46.1 49.9 53.8 46.4 44.2	ALT 571.58130 29.36091 29.02392 27.48403 28.20320 29.95010 31.02639 30.00283 29.15012 28.24614 28.24614 27.48403 25.54933 26.76980	B/A 0.984 0.981 0.989 0.981 0.949 0.908 0.873 0.828 0.871 0.904 0.904 0.904 0.904 0.909	T 1 577 -2 AZPHAZ -93.6 -90.2 -85.5 -85.2 -85.2 -95.7 -90.2 -95.7 -95.2 -94.8 -90.2 -95.7 -94.8 -95.2 -85.5 -82.2	INCD 68.1 63.5 65.4 67.4 67.4 66.3 64.3 64.3 63.5 61.5 61.5 63.2	23 PHAZ 41.1 47.6 53.2 47.8 42.4 42.5 53.0 53.2 53.0 53.2	07.037 EMIS 29.2 23.9 13.4 19.2 25.8 29.7 34.8 29.9 26.3 19.5 13.4	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.6 23.2 15.6 8.1 9.5 9.9 2.6	PTH -68.493 1 SCALF O. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 66.64278 60.96014 62.08881 57.85619 71.10404	AZ 15.865 PT-PT 0-11-22-33-44-55-66-77-88-99-10-1111-12-13
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.334	LON -20.106 -22.531 -24.655 -22.746 -20.405 -20.405 -24.513 -24.655 -26.528 -24.764 -22.996	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 583.56957 572.77588 577.97106	AZS/C -31.8 -43.7 -43.0 -58.6 -53.8 -44.0 -34.1 -21.1 -28.6 -31.1 -67.7 -76.8	AZN 6.2 6.5 4.0 7.3 8.4 9.8 7.4 4.5 4.0 2.2 3.7	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.2 -82.6 -81.1 -81.0 -80.4 -80.4 -80.4	IMPACT .373 AZA 50.3 46.3 46.4 42.5 38.7 42.6 1 49.9 53.8 50.2 46.4 46.8 44.2	ALT 571.58130 A. 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 39.15012 28.24614 27.48403 25.54933 26.76980 27.59217	LA 0 -7. 8/8 0.914 0.981 0.949 0.973 0.828 0.871 0.947 0.947 0.975	T I 577 -2 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.9	.ON 7.121 INCD 68.1 65.4 67.9 68.4 66.3 64.3 63.5 61.5 63.5	23 PHAZ 41.1 47.6 53.2 42.4 42.2 42.5 47.8 53.2 53.0 53.2 58.9 748.4	07.037 EMIS 29.2 29.2 13.4 19.2 25.8 29.7 34.8 29.9 26.3 19.5 13.4 4.3 9.8 16.7	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7 24.6 8.1 9.9 2.6 9.9 2.6 16.7	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.08569 61.00092 61.61413 66.64278 65.67778 60.96014 62.08881 57.85619 71.10404 52.99167	AZ 15.865 PI-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.908 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.458 13 -8.334 14 -8.199	LON -20.106 -22.531 -24.655 -22.746 -20.405 -20.405 -24.346 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 638.78677 634.34983 619.46506 597.15678 577.77588 577.97106 590.27900	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -34.0 -34.1 -21.1 -28.6 -43.0 -367.7 -76.8	AZN 6.2 6.0 5.7 7.3 8.4 8.5 1.4 4.0 2.2 3.7 5.1 6.4	SEC TO 2533  AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -81.1 -81.2 -81.7 -81.0 -80.4 -80.3 -80.3	IMPACT 373 AZA 50.3 46.4 42.5 38.7 46.1 49.9 50.2 46.8 44.2 39.0 35.3	ALT 571.58130 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403 25.54933 26.76980 27.59217 28.39197	LA 0 -7 8/A 0.898 0.914 0.949 0.908 0.873 0.828 0.871 0.904 0.947 0.947 0.975 0.975 0.973	T 1 577 -2 AZPHAZ -93.6 -90.2 -85.2 -85.2 -95.7 -90.2 -94.8 -90.2 -85.5 -82.2 -81.6	.ON 7.121 INCD 68.1 65.4 67.9 68.4 66.3 64.3 64.3 63.9 63.9 63.9 63.9	23 PHAZ 41-1 47-6 53-2 47-8 42-4 42-5 47-8 53-2 53-2 53-2 53-2 53-7 48-4	07.037 EMIS 29.2 23.9 13.4 19.2 25.8 29.7 34.8 29.9 19.5 13.4 4.3 9.8 16.3	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.6 23.2 15.6 9.5 9.6 16.7	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 65.67778 60.96014 62.08881 57.85619 71.10404 52.99167 55.84079	AZ 15.865 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.908 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.458 13 -8.334 14 -8.199 15 -8.050 16 -7.882	TA  LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.040 -22.273 -24.346 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925 -18.780	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 577.97106 590.27900 610.655118 640.30328 648.31030	AZS/C -31.8 -43.7 -43.0 -58.6 -53.8 -44.0 -34.1 -21.1 -28.6 -31.1 -67.7 -76.8	AZN 6.2 6.5 4.0 7.3 8.4 9.8 4.5 4.0 2.2 3.7 5.1 6.4	SEC TO 253.  AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -82.5 -84.1 -83.3 -82.6 -81.7 -81.0 -80.4 -80.3 -80.1 -79.9	IMPACT 373 AZA 50.3 46.4 42.5 46.9 53.8 50.2 46.4 49.9 53.8 50.4 46.8 39.0 35.3 31.8	29.36091 29.36091 29.02392 27.48403 28.20320 30.00283 30.00283 29.15012 28.24614 27.48403 26.76980 27.59217 28.39197	LA 0 -7. B/A 0.898 0.914 0.949 0.987 0.871 0.904 0.904 0.970 0.995 0.973 0.883 0.973	T I 577 -2. AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -95.7 -95.2 -95.7 -80.2 -80.9 -80.9 -80.9 -80.9	INCD 68.121 65.8 63.5 67.4 67.9 68.4 66.3 64.3 63.9 63.5 61.5 61.5 63.2 65.1 67.0	23° PHAZ 41.1 47.6 53.2 47.8 42.2 42.5 53.2 53.2 53.2 53.2 53.2 48.4 43.1	07.037 EMIS 29.2 29.2 13.4 19.2 25.8 29.7 24.8 29.9 26.3 19.5 4.3 9.8 16.7 231.2	V 2.332 ALPHA 26.3 17.0 17.3 24.7 24.6 23.2 15.6 8.1 9.9 2.6 16.7 23.9	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 65.67778 65.67778 71.10404 52.08881 57.85619 71.10404 52.99167 55.8407 59.57802	AZ 15.865 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.854 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.334 14 -8.199 15 -8.050 16 -7.882 17 -9.591 18 -11.676	TA LON -20.106 -22.531 -24.655 -20.405 -20.405 -22.273 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925 -18.780 -18.489 -18.086	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 618.78477 634.34983 619.46506 597.15678 583.56957 572.77588 570.27900 610.65118 640.30328 648.31030 666.00071	AZS/C -31.8 -43.7 -43.0 -58.6 -653.8 -44.0 -34.1 -21.1 -28.6 -31.1 -67.7 -76.8 -80.7 -80.7	AZN 6.2 5.0 5.7 7.3 8.8 7.4 5.1 5.0 2.7 5.1 6.4 7.8	SEC TO 253. AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -82.5 -84.1 -83.3 -82.6 -81.7 -81.0 -80.4 -80.3 -80.1 -79.9	IMPACT 373 AZA 50.3 46.4 42.5 46.4 42.5 46.1 53.8 50.2 46.8 44.2 39.0 35.3 31.8	ALT 571.58130 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403 25.54933 26.76980 27.59217 28.39197	LA 0 -7 8/A 0.898 0.914 0.981 0.970 0.828 0.871 0.904 0.947 0.995 0.975 0.973 0.995 0.973 0.983 0.859	T -2.  AZPHAZ -93.62 -85.52 -84.7 -90.2 -95.7 -95.5 -94.8 -90.2 -94.8 -85.5 -86.0 -79.0 -79.0 -84.1	INCD 68.1 65.8 63.5 65.4 67.4 66.3 63.5 61.5 63.2 65.2 67.0 69.1 69.5	236 PHAZ 41.1 47.6 53.2 47.8 42.4 42.5 53.2 53.2 53.2 53.2 53.2 53.2 53.2 5	07.037 EMIS 29.2 29.2 13.4 19.2 25.8 29.9 26.3 19.5 13.4 4.3 9.8 16.7 23.9	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.6 23.2 15.6 8.1 9.5 9.5 9.6 16.7 23.9 31.2	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 65.67778 60.96014 62.08881 57.85619 71.10404 52.99167 55.84079	AZ 15.865 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.908 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.334 14 -8.199 15 -8.050 16 -7.882 17 -9.591 18 -11.676	TA LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.040 -22.273 -24.346 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925 -18.780 -18.086 -17.586	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 597.277588 577.97106 590.27900 610.655118 640.30328 648.31030 666.06071 694.54350	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.8 -44.0 -34.1 -21.1 -21.1 -43.0 -31.1 -67.6 -80.7 -76.8 -71.8 -71.8	AZN 2 6.5 4.0 7.7 7.3 4.5 4.0 2.3 -7 5.1 6.4 7.7 8.8 10.3 12.1	SEC TO 253 AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -82.5 -84.5 -84.5 -84.6 -81.7 -81.0 -80.4 -80.3 -80.1 -79.9 -81.2 -82.9 -84.9	IMPACT. 373 A6.3 46.3 46.4 42.5 38.7 42.5 38.7 46.1 49.9 50.2 46.8 44.2 39.0 35.3 31.8 31.8 32.6	ALT 571.58130 29.36091 29.02392 27.48403 28.20320 29.05420 29.95010 31.02639 30.00283 29.15041 27.48403 26.76980 27.59217 28.39197 29.34683 31.06897 31.06897 32.27564	LA 0 -7. 8/A 0.898 0.914 0.908 0.873 0.828 0.871 0.947 0.995 0.973 0.884 0.859 0.859 0.871 0.908	T -2.  AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -94.8 -90.2 -81.6 -80.9 -80.0 -79.0 -84.1 -90.2	INCO 68.1 65.8 63.5 65.4 66.3 64.3 64.3 65.1 67.0 67.0 67.0 170.8	231 PHAZ 41-1 47-6 47-6 42-4 42-5 47-8 53-0 53-2 58-9 7-8 43-1 37-1 36-8	07.037 EMIS 29.23.9 13.4 19.2 25.8 29.7 34.8 26.3 19.5 13.4 9.8 16.7 23.2 32.9 36.1	V 2.332 ALPHA 26.3 17.0 9.9 17.3 724.6 23.2 15.6 8.1 9.9 2.6 16.7 23.9 232.3	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.667778 60.96014 62.08881 57.85619 71.10404 52.99167 55.840795 59.57802 64.53118 52.49922 64.28349	AZ 15.865 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7-8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 14-15 14-15 14-15 14-15 14-15 14-15 14-15
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.234 14 -8.199 15 -8.050 16 -7.882 17 -9.591 18 -11.676 19 -13.936	TA  LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.405 -20.405 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925 -18.780 -18.886 -17.586	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 577.97106 590.27900 610.65118 640.30328 648.31030 666.06071 694.54350	AZS/C -31.8 -43.0 -58.6 -66.8 -53.8 -53.8 -53.8 -53.8 -53.8 -67.7 -21.1 -21.1 -28.6 -43.0 -34.0 -67.7 -76.8 -80.7 -82.8 -71.6 -71.6	AZN 6.5 4.0 5.7 7.3 8.4 9.8 4.5 2.2 3.7 1.6 4.0 2.2 3.7 7.8 8.0 10.3	SEC TO 253. AZSUN -82.7 -82.1 -81.0 -81.1 -81.2 -5.82.5 -81.0 -81.1 -79.9 -81.2 -82.9 -84.9 -87.8	IMPACT. 373 AZA 46.3 46.3 46.4 42.5 38.7 46.1 42.5 46.1 46.2 39.0 35.3 31.8 35.2 46.6 46.8	ALT 571.58130 29.36091 29.02392 27.48403 28.20320 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403 25.54933 26.76980 27.59217 28.39197 29.34683 31.06897 32.27564	LA 8/A 0.9898 0.9949 0.9981 0.9949 0.9828 0.9047 0.9947 0.995 0.973 0.985 0.9775 0.975 0.975 0.975 0.975 0.975 0.975 0.975 0.975 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775 0.9775	T 1 577 -2 93.6 -90.2 -85.5 -85.2 -85.2 -95.7 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -90.2 -94.8 -80.0 -79.0 -84.1 -90.2 -96.3	INCD 68.1 65.4 67.9 68.4 66.3 561.5 61.5 67.0 69.1 67.0 170.8 71.8	23 PHAZ 41.1 47.6 53.2 47.8 42.5 47.8 53.2 53.2 53.2 58.7 43.1 37.1 36.8 37.2	07.037 EMIS 29.23.9 13.4 125.8 29.7 34.8 29.7 34.8 26.3 19.5 14.3 9.8 16.7 231.9 36.1 46.7	V 2.332 ALPHA 26.3 17.0 9.9 17.3 124.7 24.6 2 15.6 8.1 9.5 9.9 6 16.7 9.6 123.9 31.2 32.3 31.0 28.3	PTH -68-493 1 SCALE 0. 77.08042 84.59463 57.08569 61.00092 61.61413 66.64278 65.67778 65.67778 67.85619 71.10404 52.99167 55.84079 57.852 64.53118 52.49922 64.28349 70.00674	AZ 15.865 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 14-15 15-16 11-18
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.908 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.334 14 -8.192 15 -8.050 16 -7.882 17 -9.591 18 -11.676 19 -13.936 20 -16.439	TA LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.040 -22.273 -24.346 -24.513 -24.655 -26.528 -24.764 -22.906 -18.780 -18.780 -18.788 -16.951 -19.585	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 597.15678 597.27900 610.655118 640.30328 648.31030 666.06071 694.54350 734.15385 996.16208	AZS/C -31.8 -43.0 -58.6 -66.8 -53.8 -44.0 -21.1 -21.1 -67.7 -76.8 -80.7 -82.8 -60.6 -51.5 -44.2	AZN 6.2 6.5 6.5 4.07 7.3 8.4 5.1 4.5 4.0 2.2 3.7 5.1 7.7 8.8 10.3 12.1 14.3 11.5	SEC TO 253. AZSUN -82.7 -82.1 -81.0 -81.2 -82.5 -84.1 -83.3 -82.6 -81.7 -81.0 -80.4 -80.3 -80.1 -79.9 -81.2 -82.9 -87.3 -85.9	IMPACT. 373 A2.A 46.3 46.3 46.4 42.5 38.7 46.1 49.9 50.2 46.8 44.2 35.3 31.8 35.2 39.0 42.6 46.6	ALT 571.58130 29.36091 29.02392 27.48403 28.20320 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403 26.76980 27.59217 28.39197 29.34683 31.06897 31.06897 32.27564 33.77389 32.34374	LA 8/A 0.898 0.914 0.949 0.949 0.828 0.871 0.904 0.977 0.981 0.977 0.981 0.977 0.988 0.871 0.977 0.977 0.977	T 1 577 -2 -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.5 -82.2 -81.6 -80.9 -80.0 -79.0 -84.1 -90.2 -96.3	INCD 68.1 65.8 665.4 67.4 667.9 68.4 67.9 68.5 63.5 63.5 63.5 63.5 63.5 63.5 63.5 63	23' PHAZ 41.1 47.62 47.8 42.4 42.5 47.8 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0	07.037 EMIS 29.9 13.4 25.8 19.2 25.8 26.5 26.5 19.8 16.9 23.9 16.9 23.9 40.9 40.9	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7 24.6 23.2 15.6 1 9.5 9.5 9.6 9.6 16.7 23.9 31.0 28.3 31.0 28.3	PTH -68.493 1 SCALF O. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 60.96014 62.08881 57.85619 71.10404 52.99167 55.8407 55.8407 55.8407 78.07765 78.72571	AZ 15.865 PT-PT 0-11-22-33-4-55-66-77-88-99-10 10-1111-12-1313-14-1515-16-17 17-18-19-10-1111-12-1313-14-1515-16-17
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.234 14 -8.199 15 -8.050 16 -7.882 17 -9.591 18 -11.676 19 -13.936 20 -16.439 21 -16.277	TA  LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.405 -20.405 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925 -18.780 -18.489 -17.586 -16.951 -19.585	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 577.97106 590.27900 610.65118 640.30328 648.31030 666.06071 694.54350 736.15288 696.16208	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.8 -44.0 -34.1 -21.1 -28.6 -43.0 -31.1 -71.8 -71.8 -71.8 -71.8 -71.8 -71.8 -71.8 -71.8	AZN 6.22 6.50 4.00 7.3 8.4 9 7.4 5.1 4.0 2.2 7.1 6.4 7.8 10.3 11.5 7.8 8.8	SEC TO 253 AZSUN 7-82-1 -81-2 -81-1 -81-2 -82-5 -84-1 -81-2 -81-7 -81-0 -80-4 -80-3 -80-1 -79-9 -84-9 -82-9 -84-9 -85-9	IMPACT. 373 AZA 46.3 46.3 46.3 42.5 38.7 46.1 49.9 53.8 46.4 46.2 39.0 42.6 39.0 40.4 46.2 39.0 40.4 40.2 40.4 40.3 40.4 40.4 40.5 40.4 40.5 40.4 40.5 40.4 40.5 40.4 40.5 40.4 40.5 40.4 40.5 40.4 40.5 40.4 40.5 40.4 40.5 40.6	ALT 571.58130 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403 25.54933 26.76980 27.59217 28.34683 31.06897 33.77389 32.34374 32.34374 31.18903	LA 8/A 0.8898 0.914 0.9481 0.947 0.871 0.904 0.947 0.947 0.975 0.973 0.933 0.859 0.859 0.871 0.775 0.717 0.717	T 1 577 -2 93.6 -90.2 -85.5 -85.2 -85.5 -85.2 -95.7 -90.2 -95.7 -95.2 -95.6 -80.9 -79.0 -84.1 -90.2 -96.3 -102.2	INC D 68.1 65.8 63.5 65.4 67.9 68.3 64.3 64.3 64.3 64.3 64.3 70.1 67.0 69.5 70.1 70.8 71.7 69.2	23' PHA21 41.1 453-2 47.8 42.4 42.5 47.8 53.0 258.9 748.1 367.1 367.2 38.3 48.3	07.037 EMI 29.9 119.4 129.8 129.8 129.8 29.7 29.7 29.5 13.4 4.3 16.7 231.9 340.7 46.9 46.9 46.9	V 2.332 ALPHA 26.3 17.0 9.9 17.3 24.7 24.6 2.6 8.6 9.6 9.6 16.7 23.9 31.2 32.3 32.3 32.3 32.3 31.0 28.3 20.5	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 65.67778 60.96014 62.08881 57.85619 71.10404 52.99167 55.84079 79.57802 64.53118 52.49922 64.28349 70.00674 78.07765 76.72571	AZ 15.865 PT-PT 0-11-2 2-33-4 4-5 5-6-7 7-8-9 9-10 10-11 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.71 7 -13.888 8 -13.854 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.334 14 -8.199 15 -B.050 16 -7.882 17 -9.591 18 -11.676 19 -13.936 20 -16.439 21 -16.277 22 -16.162	LON -20.106 -22.531 -24.655 -22.4746 -20.405 -20.405 -24.513 -24.555 -26.528 -24.744 -22.906 -20.925 -18.780 -18.086 -17.586 -16.951 -19.585 -21.958 -24.147	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 619.46506 597.15678 583.56957 572.77588 577.97106 640.30328 648.31030 666.06071 694.54350 736.15385 696.16208 668.83547 651.95100	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.8 -44.0 -34.1 -21.1 -28.6 -43.0 -31.1 -67.7 -76.8 -80.7 -82.8 -71.8 -51.5 -44.2 -36.2	AZN 6.2 2 6.5 5 4.0 7 7 8.4 8 7 8 4 8 7 5 1 4 8 7 5 1 4 8 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SEC TO 253 AZSUN 7-82.1 -82.1 -81.0 -81.1 -81.2 -82.5 -84.1 -81.2 -82.6 -81.7 -81.0 -81.7 -81.0 -82.6	IMPACT. 373 ACA3 46.3 46.4 42.5 42.5 46.9 53.82 46.4 49.9 53.82 46.4 44.2 39.0 35.3 31.8 39.0 46.4 46.6 57.3	29.36091 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403 26.76980 27.59217 28.39197 29.34683 30.07583 31.0663 31.77389 32.34374 31.18903 30.23779	B/A 0.898 0.914 0.994 0.908 0.873 0.828 0.871 0.994 0.973 0.981 0.970 0.995 0.973 0.822 0.775 0.717 0.777 0.777	T 1 577 -2 -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -90.2 -95.7 -90.2 -94.8 -90.2 -85.5 -82.2 -81.6 -80.9 -80.9 -80.0 -79.0 -	INC D 68.1 65.8 66.5 65.4 67.9 66.3 56.5 65.1 67.0 67.1 70.8 71.7 71.7 69.5 64.8	23/ 41.1 41.1 47.8 42.4 42.5 53.0 53.7 43.1 37.1 36.8 37.1 43.3 43.3 43.3	07.037 EMIS 29.9 119-8 129-8 129-8 129-8 129-8 129-8 129-8 129-8 129-8 129-8 129-8 129-8 129-8 129-8 129-9 1	V 2.332 ALPHA 26.3 17.0 17.3 24.6 23.6 8.1 9.5 2.6 16.7 23.2 31.2 32.2 31.0 22.3 31.0 25.6	PTH -68.493 1 SCALF O. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 65.67778 60.99467 78.95167 75.8407 55.8407 55.8407 75.8407 76.72571 69.71257 69.72571 69.71257	AZ 15.865 PT-PT 0-11-2 2-3 3-4-5 5-66-7 7-8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.234 14 -8.199 15 -8.050 16 -7.882 17 -9.591 18 -11.676 19 -13.936 20 -16.439 21 -16.277 22 -16.162 23 -16.083	TA  LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.405 -20.405 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925 -18.780 -17.586 -17.586 -17.586 -17.586 -17.586 -17.586 -17.586 -17.586 -17.586 -17.586 -17.586 -17.586	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 577.97106 590.27900 610.65118 640.30328 648.31030 666.06071 694.54350 736.15385 696.16208 648.34547 651.95100	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.8 -44.0 -34.1 -21.1 -21.1 -43.0 -31.1 -67.7 -76.8 -60.6 -51.5 -44.2 -36.8 -51.8 -60.6 -51.5 -44.2 -36.8 -44.6	AZN 6.2 2 6.5 4.0 5.7 7.3 4.9 9.8 75.1 4.5 0 2.2 3.7 1 6.4 7 8.8 10.3 114.3 114.3 3.1 3.7 5.9 3.1	SEC TO 253 AZSUN 7-82-1-81-0 0-81-1-81-2-84-1 3-82-6 -81-7-81-0 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -8	IMPACT. 373 AZA3 46.3 46.3 42.5 38.5 46.1 953.8 46.4 46.8 39.0 31.8 39.0 40.	29.36091 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 29.15061 28.24614 27.48403 25.54933 30.759217 28.39197 29.34683 31.06897 32.34374 32.34374 32.34374 32.34374	B/A 0 -74.  B/A 0 -8981 0 -9981 0 -9981 0 -970 0 -873 0 -828 0 -871 0 -9947 0 -993 0 -981 0 -970 0 -973 0 -8859 0 -775 0 -7717 0 -8859 0 -875 0 -7717 0 -875	T 1 577 -2 -93.6 -90.2 -85.5 -85.2 -95.7 -95.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.0 -79.0 -84.1 -90.2 -96.3 -102.2 -101.1 -99.3 -99.3	INCD 68.1 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66	231 PHAZ 41.1 41.1 41.2 42.2 47.8 42.2 47.8 53.2 53.2 53.2 53.7 48.4 43.1 37.1 36.8 36.8 36.8 53.8 48.6 53.8	07.037 EMIS 29.2 23.9 119.2 229.7 34.8 29.5 129.5 129.5 14.3 9.8 16.7 23.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	V 2 .332  ALPHA 3 17.09 17.37 24.6 23.26 8.15 9.96 16.79 23.2.30 31.2 32.30 28.35 21.30 5.65	PTH -68.493 1 SCALF 0. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 60.96014 62.08881 57.85619 71.10404 52.99167 55.84079 79.57802 64.53118 52.49922 64.28349 70.00674 78.07765 76.72571 63.71926	AZ 15.865 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 5 -9.704 6 -11.717 7 -13.888 8 -13.862 9 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.334 14 -8.199 15 -8.050 16 -7.882 17 -9.991 18 -11.676 19 -13.936 20 -16.439 21 -16.277 22 -16.162 23 -16.083 24 -16.162 23 -16.083	TA  LON -20.106 -22.531 -24.655 -22.746 -20.705 -20.040 -22.273 -24.346 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925 -18.780 -18.489 -18.086 -17.586	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 658.78477 634.34983 619.46506 597.15678 583.56957 572.77588 640.30328 640.30328 648.31030 666.06071 690.36385 696.16208 648.83547 651.95100 643.96818 612.83896	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.8 -44.0 -34.1 -21.1 -28.6 -43.0 -31.1 -67.7 -76.8 -80.7 -82.8 -71.8 -51.5 -44.2 -36.2	AZN 6.2 2 6.50 5.7 7.3 8.4 9.8 4.5 1.4 .5 4.0 2.2 7.7 5.1 4.5 1.4 .5 7.7 8.3 11.5 8.7 9.3 1.1 .5 9.	SEC TO 253 AZSUN 7-82-1-81-0 0-81-1-81-2-84-1 3-82-6 -81-7-81-0 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -80-4 -80-3 -8	IMPACT.373 A46.3 46.3 46.4 42.5 42.5 46.4 9.9 53.8 46.4 42.5 46.8 44.2 35.3 31.8 35.0 46.6 53.3 26.6 46.6 53.3 27.9	29.36091 29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403 26.76980 27.59217 28.39197 29.34683 30.07583 31.0663 31.77389 32.34374 31.18903 30.23779	LA   8	T 1 577 -2 -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -94.2 -95.2 -95.2 -95.2 -90.2 -81.6 -80.9 -80.0 -79.0 -84.1 -96.3 -102.2 -101.1 -100.1 -99.3 -98.6 -99.6	ON 1.121 INCD 68.1 165.1 665.4 667.4 667.4 667.4 667.4 667.5 667.5 667.5 667.5 667.1 667.1 677.1 701.8 701.8 701.8 701.8 667.8	23/ 41.1 41.1 47.8 42.4 42.5 53.0 53.7 43.1 37.1 36.8 37.1 43.3 43.3 43.3	07.037 EMI-2 23.94 119.87 129.	V 2.332 ALPHA 26.3 17.0 17.3 24.6 23.6 8.1 9.5 2.6 16.7 23.2 31.2 32.2 31.0 22.3 31.0 25.6	PTH -68.493 1 SCALF O. 77.08042 84.59463 57.06569 61.00092 61.61413 66.64278 65.67778 60.99467 78.95167 75.8407 55.8407 55.8407 75.8407 76.72571 69.71257 69.72571 69.71257	AZ 15.865 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 11-12 21-22 22-23 23-24
TRAJECTO PHOTO DA PT LAT 1 -10.856 2 -11.762 3 -9.905 4 -9.808 5 -9.704 6 -11.717 7 -13.888 8 -13.854 10 -11.810 11 -9.905 12 -8.458 13 -8.334 14 -8.199 15 -8.050 16 -7.882 17 -9.51 18 -11.676 19 -13.936 20 -16.439 21 -16.439 21 -16.439 21 -16.439 21 -16.277 22 -16.16.439	TA  LON -20.106 -22.531 -24.655 -20.705 -20.405 -20.405 -20.405 -24.346 -24.513 -24.655 -26.528 -24.764 -22.906 -20.925 -18.780 -18.489 -17.586	RANGE 631.00651 610.71732 583.56957 596.29535 617.43549 633.18593 633.18593 619.46506 597.15678 583.56957 572.77588 577.97106 590.27900 610.65118 640.30328 648.31030 666.06071 694.54350 736.15385 696.16208 648.83547 651.95100 643.96818 643.96818 651.95100 643.96818 651.95100 643.96818 651.95100 643.96818 651.95100 651.37367 578.23769	AZS/C -31.8 -43.7 -43.0 -58.6 -66.8 -53.6 -44.0 -34.1 -21.1 -28.6 -43.0 -31.1 -67.7 -82.8 -71.8 -71.8 -51.5 -21.5 -21.6	AZN 6.2 6.5 6.5 6.2 6.5 6.5 6.2 6.5 6.5 6.2 6.5 6.2 6.5 6.2 6.5 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	SEC TO 253 AZSUN 7-82-1 -81-0 -81-1 -81-2 -82-5 -84-1 -81-0 -81-7 -81-0 -81-7 -81-7 -81-7 -82-7	IMPACT 373 ACA3 46.3 46.3 46.3 42.5 42.5 42.5 42.5 42.5 43.0 42.5 43.0 43.0 43.0 44.0	29.36091 29.02392 27.48403 28.20320 29.05466 29.95010 31.02639 30.00283 29.15012 28.24614 27.48403 26.76980 27.59217 28.39197 29.34683 30.07583 31.06897 32.27564 33.77389 32.34374 31.18903 30.23779 29.44440	LAA 0.984 0.994 0.908 0.914 0.909 0.903 0.628 0.947 0.970 0.973 0.628 0.777 0.981 0.970 0.973 0.884 0.970 0.973 0.885 0.673 0.873 0.885 0.673 0.777 0.773 0.	7 1 577 -2 -93.6 -90.2 -85.5 -85.5 -85.2 -84.7 -90.2 -94.7 -90.2 -94.7 -90.2 -85.5 -82.2 -81.6 -79.0 -79.0 -84.1 -90.3 -	ON INCLESS OF THE PROPERTY OF	23i PHAZ 41.16 47.88 42.4 42.5 53.0 53.2 53.2 53.2 53.7 43.1 37.1 36.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8 53	07.037 EMIS 29.2 23.9 4 19.2 29.7 34.8 29.7 34.8 4.3 92.6 31.2 32.9 36.1 46.7 23.9 36.1 46.2 33.6 33.6 33.6 24.5 110.0	V 2 .3 32 ALPHA 3 17.09 17.37 24.62 15.61 9.96 9.67 23.22 32.23 31.03 220.53 13.66 10.99 23.67 24.67 25 25 25 25 25 25 25 25 25 25 25 25 25	PTH -68.493 1 SCALE 0. 77.08042 84.59463 57.08569 61.00992 61.61413 66.64278 65.67778 60.96014 52.08881 57.85619 71.10404 52.99167 55.84079 59.57802 64.53118 52.49922 64.53118 52.49927 65.67257 64.23716 65.86139	AZ 15.865 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26

TAB NO 151 ATLAS PHOTO NO 151 POD SEQUENCE NO	308
JULY 31,1964 13 HR 21 MIN 40 SEC 546 MS	
TRAJECTORY DATA SEC TO IMPACT ALT LAT LON R V PTH 248-253 560-46472 -7-625 -27-022 2295-920 2-337 -68-425_11	.850
PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA A◆ B/A AZPHAZ INGO PHAZ EMIS ALPHA SCALE !	T-PT
1 -10.848 -20.121 618.80396 -32.0 6.2 -82.8 50.1 28.80131 0.898 -93.6 68.0 41.2 29.1 26.2 0.	0- 1
2 -11.743 -22.485 599.10932 -43.9 6.5 -82.2 46.1 28.47226 0.914 -90.2 65.8 47.6 23.9 17.0 75.25291	
3 -9.922 -24.570 572.40704 -43.2 4.0 -81.0 46.3 26.95832 0.981 -85.5 63.6 53.2 13.5 10.0 83.00451 4 -9.827 -22.696 584.95846 -58.6 5.7 -81.1 42.4 27.66696 0.949 -85.2 65.4 47.8 19.2 17.3 55.99265	2- 3 3- 4
5 -9.725 -20.693 605.73192 -66.8 7.3 -81.2 38.7 28.50388 0.908 -84.7 67.4 42.4 25.8 24.7 59.85480	4- 5
6 -11.699 -20.399 621.18432 -53.9 8.4 -82.5 42.5 29.38243 0.873 -90.2 67.9 42.2 29.7 24.6 60.44625	5- 6 6- 7
7 -13.829 -20.042 646.24302 -44.1 9.7 -84.1 46.0 30.43572 0.829 -95.7 68.4 42.5 34.8 23.2 65.35602 8 -13.804 -22.232 622.24773 -34.2 7.4 -83.4 49.7 29.43040 0.871 -95.2 66.3 47.8 29.9 15.7 64.43564	7- 6
9-13.795 -24.266 607.57674 -21.3 5.1 -82.7 53.5 28.59065 0.904 -94.8 64.4 53.2 26.3 8.2 59.81096	8- 9
10 -11.791 -24.430 585.73671 -28.9 4.5 -81.8 50.0 27.70597 0.947 -90.2 63.9 53.0 19.5 9.6 60.88450 11 -9.922 -24.570 572.40704 -43.2 4.0 -81.0 46.3 26.95832 0.981 -85.5 63.6 53.2 13.5 10.0 56.75016	9-10
11 -9.922 -24.570 572.40704 -43.2 4.0 -81.0 46.3 26.95832 0.981 -85.5 63.6 53.2 13.5 10.0 56.75016 12 -8.503 -26.407 561.69922 -32.1 2.3 -80.4 46.6 25.05865 0.970 -82.2 61.6 58.9 4.4 2.7 69.75484	1-12
13 -8.381 -24.677 566.88644 -67.6 3.7 -80.3 44.1 26.26409 0.995 -81.6 63.3 53.7 9.9 9.7 51.98017	2-13
14 -8.248 -22.853 579.02467 -76.7 5.1 -80.3 39.0 27.06598 0.973 -80.9 65.1 48.4 16.8 16.7 54.78740 15 -8.102 -20.909 599.04269 -80.6 6.4 -80.1 35.3 27.85209 0.933 -80.0 67.0 43.1 23.9 23.9 58.45520	
16 -7 947 -18 806 628 12110 -82-7 7-7 -79-8 31-9 28-78835 0.884 -79-0 69-1 37-9 31-2 31-1 63-29928	5-16
17 -9.614 -18.520 636.00939 -71.7 8.8 -81.2 35.3 29.50516 0.859 -84.1 69.5 37.1 32.8 32.2 51.50680	
18 -11-660 -18-124 653.41535 -60.7 10.3 -82.9 39.0 30.47919 0.823 -90.2 70.1 36.8 36.1 32.3 63.06122 10.13 875 -17.63 681.20 877 -17.63 681.20 681.64310	
19 -13.875 -17.636 681.28079 -51.5 12.0 -84.9 42.5 31.65940 0.776 -96.3 70.8 37.2 40.6 31.0 68.64310 20 -16.328 -17.017 721.90964 -44.2 14.2 -87.3 45.9 33.12039 0.719 -102.2 71.6 38.2 46.1 28.2 76.47986	
21 -16.170 -19.598 682.76883 -36.9 11.4 -85.9 49.5 31.72140 0.774 -101.1 69.1 43.3 40.8 20.6 75.20376	20-21
22 -16.057 -21.925 655.95897 -27.7 8.6 -84.8 53.1 30.58845 0.818 -100.1 66.9 48.6 36.5 13.1 67.79587	
23 -15.979 -24.070 639.33322 -16.8 5.9 -83.8 56.9 29.65243 0.853 -99.3 64.9 53.8 33.5 5.7 62.50700 24 -15.928 -26.083 631.39400 -4.5 3.1 -82.8 60.8 28.86934 0.879 -98.6 62.9 59.0 31.9 -1.4 58.64953	
25 -13 799 -26 182 600 97165 -5.8 2.8 -82.0 57.5 27 88175 0.930 -94.4 62.5 58.5 24.5 1.0 64.53260	24-25
26 -11.842 -26.269 579.96343 -8.1 2.6 -81.4 54.1 27.05483 0.972 -90.1 62.2 58.4 17.2 2.4 59.35028	25-26
27 -10.013 -26.346 567.08141 -13.7 2.4 -80.8 48.7 26.18066 0.993 -85.9 61.9 58.5 10.1 2.9 55.43694 28 -8.503 -26.407 561.69922 -32.1 2.3 -80.4 46.6 25.05865 0.970 -82.2 61.6 58.9 4.4 2.7 45.76690	
20 01303 201707.22 321 213 000 100 201000	
TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENCE NO JULY 31,1964 13 HR 21 HIN 45 SEC 666 MS	310
TRAJECTORY DATA SEC TO IMPACT ALT LAT LUN R V PTH	۸Z
243.134 549.33212 -7.673 -26.922 2284.787 2.341 -68.356 11	
PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA A∘ B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE	PT-PT
PT LAT LON RANGE AZS/C AZN AZSUN AZA A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE 1 -10.841 -20.137 606.58128 -32.2 6.2 -82.8 49.9 28.24017 0.898 -93.6 68.0 41.2 29.1 26.2	0-1
2 -11.725 -22.439 587.47858 -44.0 6.5 -82.2 46.0 27.91952 0.914 -90.2 65.9 47.6 24.0 17.1 73.44507	1- 2
3 -9.940 -24.485 561.22473 -43.4 4.1 -81.0 46.1 26.43167 0.981 -85.5 63.7 53.2 13.6 10.1 81.41088 4 -9.846 -22.647 573.59755 -58.6 5.7 -81.1 42.4 27.12959 0.948 -85.2 65.5 47.8 19.3 17.4 54.91670	2- 3 3- 4
4 -9.846 -22.647 573.59755 -58.6 5.7 -81.1 42.4 27.12959 0.948 -85.2 65.5 47.8 19.3 17.4 54.91670 5 -9.746 -20.682 594.00064 -66.8 7.3 -81.2 38.8 27.95180 0.908 -84.7 67.4 42.4 25.8 24.7 58.70510	4- 5
6-11.682 -20.394 609.15636 -53.9 8.4 -82.5 42.4 28.81352 0.873 -90.2 67.9 42.2 29.7 24.6 59.27628	5- 6
7 -13.770 -20.044 633.67831 -44.2 9.7 -84.1 45.9 29.84397 0.829 -95.7 68.4 42.5 34.8 23.3 64.06845 8 -13.745 -22.192 610.12589 -34.3 7.4 -83.4 49.5 28.85704 0.871 -95.2 66.4 47.8 29.9 15.7 63.19047	6- 7 7- 8
8 -13.745 -22.192 610.12589 -34.3 7.4 -83.4 49.5 28.85704 0.871 -95.2 66.4 47.8 29.9 15.7 63.19047 9 -13.736 -24.185 595.67311 -21.5 5.1 -82.7 53.3 28.03046 0.905 -94.8 64.4 53.2 26.3 8.3 58.65919	8- 9
10 -11.772 -24.347 574.29827 -29.1 4.5 -81.8 49.8 27.16493 0.947 -90.2 64.0 53.0 19.5 9.7 59.67986	9-10
11 -9.940 -24.465 561.22473 -43.4 4.1 -81.0 46.1 26.43167 0.981 -85.5 63.7 53.2 13.6 10.1 55.64265 12 -8 58.6 27.8 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5	
12 -8.548 -26.287 550.60729 -33.0 2.3 -80.4 46.5 24.56731 0.970 -82.2 61.8 58.9 4.5 2.9 68.40313 13 -8.429 -24.590 555.78181 -67.5 3.7 -80.3 44.1 25.75720 0.995 -81.6 63.4 53.7 10.0 9.7 50.96673	
14 -8.298 -22.802 567.74612 -76.5 5.1 -80.2 39.0 26.53866 0.972 -80.8 65.2 48.4 16.8 16.8 53.73115	13-14
15 -8.154 -20.895 587.40639 -80.4 6.5 -80.1 35.4 27.31092 0.933 -80.0 67.0 43.1 23.9 23.9 57.32892	
10 14775 101036 015171035 0110 1110 1110 11111 11111 11111	
18 -11.643 -18.164 640.74123 -60.7 10.2 -82.9 39.0 29.88806 0.823 -90.2 70.0 36.8 36.1 32.2 61.83677	17-18
19 -13.815 -17.686 667.99362 -51.6 12.0 -84.9 42.5 31.04202 0.777 -96.3 70.7 37.2 40.5 30.9 67.27894	
20 -16.218 -17.083 707.65042 -44.3 14.1 -87.3 45.9 32.46620 0.720 -102.2 71.5 38.2 46.0 28.2 74.88591 21 -16.063 -19.611 669.35965 -37.0 11.4 -85.9 49.3 31.09833 0.775 -101.1 69.1 43.3 40.7 20.6 73.68118	
21 -16.063 -19.611 669.35965 -37.0 11.4 -85.9 49.3 31.09833 0.775 -101.1 69.1 43.3 40.7 20.6 73.68118 22 -15.953 -21.891 643.06895 -27.9 8.6 -84.8 52.9 29.98724 0.819 -100.1 66.9 48.6 36.5 13.1 66.46683	
23 -15.875 -23.994 626.70615 -17.0 5.9 -83.8 56.6 29.06664 0.854 -99.3 64.9 53.8 33.4 5.8 61.29268	
24 -15.824 -25.966 618.81635 -4.7 3.1 -82.9 60.5 28.29412 0.880 -98.6 63.0 59.0 31.8 -1.2 57.50080 25 -13.740 -26.064 589.09451 -6.1 2.8 -82.1 57.2 27.33069 0.931 -94.4 62.6 58.5 24.4 1.1 63.20644	
25 -13.740 -26.064 589.09451 -6.1 2.8 -82.1 57.2 27.33069 0.931 -94.4 62.6 58.5 24.4 1.1 63.20644 26 -11.821 -26.150 568.53995 -8.5 2.6 -81.4 53.8 26.52197 0.972 -90.1 62.3 58.4 17.2 2.5 58.16540	
27 -10.029 -26.226 555.91030 -14.3 2.4 -80.8 48.5 25.66869 0.994 -85.9 62.0 58.5 10.1 3.1 54.34514	26-27
28 -8.548 -26.287 550.60729 -33.0 2.3 -80.4 46.5 24.56731 0.970 -82.2 61.8 58.9 4.5 2.9 44.86735	21-28

RA-VII CAMERA FA

JULY 31,196	64 13 HR	21 MIN 50	SEC 786	MS		TAB NO	153	ATL	AS PHOT	0 NO	153		POD	SEQUENCE NO 312
TRAJECTOR					SEC 10 238.	IMPACT 014	ALT 538-1839	LA 6 -7.	τ <u>t</u> 722 -26	ON - 820	22	R 73.639	y 9 2 - 345	PTH AZ -68.287 115.819
PHOTO DATA														00.201 117.017
PT LAT	LON	RANGE	AZS/C	AZN		AZA	A *	B/A	AZPHAZ	INCD	PHAZ	EMIS	AL PHA	SCALE PT-PT
2 -11.708	-20.152	594.33899 575.82689	-32.3 -44.1	6.2	~82.8	49.8	27.67941						26.1	0. 0-1
3 -9.958		550.02379	-44.1 -43.6	6.5 4.1	-82.2 -81.0	45.9 46.0	27.36578			65.9	47.6			71-66454 1- 2
4 -9.866		562.21302	-58.6	5.7	-81.1	42.3	26.59110			63.8	53.2	13.7	10.2	79.81392 2- 3
	-20.672	582.24131	-66.7	7.3	-81.2	38.8	27.39840		-84.7		47.8 42.4		17.4	53.83777 3- 4 57.55166 4- 5
6 -11.666		597.10316	-53.9	8.4	-82.5	42.4	28.24340			67.9	42.2	29.7	24.6	57.55166 4- 5 58.10450 5- 6
	-20.047	621.09341	-44.3	9.7	-84.1	45.9	29.25127		-95.7	68.4	42.5	34.7	23.3	62.78079 6- 7
	~22.152	597.98779	-34.5	7.4	-83.4	49.4	28.28292		-95.2		47.8		15.8	61.94224 7- 8
9 -13.678	-24-105	583.75828	-21.8	5.1	~82.8	53.1	27.46974		-94.8		53.2		8.4	57-50499 8- 9
10 -11.753 11 -9.958	-24.264 -24.400	562.84393	-29.4	4.6	-81.8		26.62313				53.0		9.8	58.47574 9-10
	-26.167	550.02379 539.50087	-43.6 -33.8	4.1	-81.0 -80.3		25.90415				53.2		10.2	54-53412 10-11
	-24.503	544.65720	-67.4	2.3	-80.3		24.07537 25.24912						3.0	67.04897 11-12
14 -8.349	-22.750	556.44270	-76.4	5.1	-80.2		26.01019				53.7	10.1	9.8	49.95133 12-13
15 -8.208	-20.881	575.74078	-80.3	6.5	-80.1		26.76839			67.1	43.1	24.0	16.8 24.0	52.67185 13-14 56.19871 14-15
	-18.859	603.66250	-82.5	7.8	-79.8	32.2	27.66707			69.1	37.9	31.1	31.1	60.82401 15-16
	-18.583	611.31500	-71.6	8.8	-81.2		28.35952		-84.1	69.4	37.1	32.8	32.2	49.51469 16-17
18 -11.627	-18.203	628.03866	-60.6	10.2	-82.9	39.0	29.29559						32.2	60.61050 17-18
	-17.737	654-68414	-51.6	11.9	-84.9		30.42359		-96.3	70.7	37.2	40.5	30.9	65.91526 18-19
	-17.150	693.38064	-44.4	14.1	-87.3		31.81152	0.722	-102.2	71.5	38.2	45.8	28.1	73.29709 19-20
	-19.024 -21.857	630.17092	37.0	11.3	-R5 Q		30.47476	0.776	-101.0	69.1	43.3	40.6	20.6	72.15800 20-21
	-23.917	614.07590	-28.0 -17.2	8.6 5.9	-84.9 -83.9	54.7	29.38566	0.820	-100.1	61.0	40.0	36.4	13.2	65.13585 21-22
	-25.850	606.24184	-4.9	3.1	-83.0		28.48071 27.71904						6.0	60.07662 22-23
	-25.946	577.21224	-6.4	2.8		56.9	26.77938		-94.4		58.5		-1.1 1.3	56.35142 23-24 61.88409 24-25
	-26.031	557.10637	-8.9	2.6	-81.5	53.5	25.98863		-90.1		56.4		2.7	56.98154 25-26
	-26.107	544.72614	-14.9	2.4	-80.8	48.3	25.15629		-85.9		58.5		3.2	53.25300 26-27
28 -8.595	-26.167	539.50087	-33.8	2.3	-80.3	46.4	24.07537				58.9		3.0	43.96687 27-28
						*** ***								
						TAB NO	154	ATL	AS PHOTO	) NO	154		POD 9	FOLIENCE NO 214
JULY 31,196	4 13 HR	21 MIN 55	SEC 906	MS		IAB NO	154	ATL	AS PHOTO	ON O	154		POD S	EQUENCE NO 314
JULY 31,196 TRAJECTORY		21 MIN 55	SEC 906	MS	SEC TO	IMPACT	154 ALT	ATL:		0 <b>NO</b>	154	R	POD S	
TRAJECTORY	DATA	21 MIN 55	SEC 906	MS		IMPACT		LA		<b>UN</b>		R	٧	PTH AZ -68.217 115.804
TRAJECTORY	DATA				SEC TO 232.	IMPACT	ALT 527-01929	LA 9 -7.	T L 771 -26	UN .718	226	R 62.479	v i 2.350	PTH AZ -68.217 115.804
TRAJECTORY PHOTO DATA PT LAT	DATA LON	RANGE	AZS/G	AZN	SEC TO 232.	IMPACT 894	ALT 527-01929	LA 9 -7. B/A	T L 771 –26 Azphaz	UN •718 INCO	226 PHAZ	R 62.479 EMIS	V 5 2.350 ALPHA	PTH AZ -68.217 115.804 SCALE PT-PT
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691	DATA LON -20.167 -22.349	RANGE 582.07593	AZS/G		SEC TO 232. AZSUN -82.9	IMPACT 894 AZA 49.6	ALT 527.01929 A* 27.11684	LA 9 -7. B/A 0.898	T L 771 –26 AZPHAZ –93.6	UN .718 INCO 68.0	226 PHAZ 41.3	R 62.475 EMIS 28.9	V i 2.350 ALPHA 26.1	PTH AZ -68.217 115.804 SCALE PT-PT 0. 0-1
TRAJECTORY  PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976	LON -20.167 -22.349 -24.315	RANGE 582.07593	AZS/C -32.5	AZN 6.2 6.5	SEC TO 232. AZSUN -82.9 -82.2 -81.0	1MPACT 894 AZA 49.6 45.8 45.9	ALT 527.01924 A* 27.11684 26.81080	LA 9 -7. 8/A 0.898 0.913	T L 771 -26 AZPHAZ -93.6 -90.2	UN .718 INCD 68.0 66.0	226 PHAZ 41.3 47.6	R 62.475 EMIS 28.9 24.0	V 2.350 ALPHA 26.1 17.2	PTH AZ -68-217 115-804 SCALE PT-PT 0- 0- 1 69-89192 1- 2
TRAJECTORY  PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886	LON -20.167 -22.349 -24.315 -22.549	RANGE 582.07593 564.14904 538.80093 550.80346	AZS/C -32.5 -44.2 -43.8 -58.6	AZN 6.2 6.5 4.1 5.7	SEC TO 232. AZSUN -82.9 -82.2 -81.0 -81.1	1MPACT 894 AZA 49.6 45.8 45.9 42.3	ALT 527.01929 A* 27.11684	B/A 0.898 0.913 0.980	T L 771 –26 AZPHAZ –93.6	UN .718 INCO 68.0 66.0 63.9	226 PHAZ 41.3 47.6 53.2	R 62.475 EMIS 28.9 24.0 13.7	V 2.350 ALPHA 26.1 17.2 10.3	PTH AZ -68.217 115.804 SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790	LON -20.167 -22.349 -24.315 -22.549 -20.662	RANGE 582-07593 564-14904 538-80095 550-80346 570-45466	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7	AZN 6.2 6.5 4.1 5.7 7.3	SEC TO 232. AZSUN -82.9 -82.2 -81.0 -81.1	IMPACT 894 AZA 49.6 45.8 45.9 42.3 38.8	ALT 527.01926 A* 27.11684 26.81080 25.37559 26.05143 26.84371	LA 9 -7. B/A 0.898 0.913 0.980 0.948 0.908	T L 771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7	UN .718 INCD 68.0 66.0 63.9 65.6 67.4	226 PHAZ 41.3 47.6 53.2 47.8 42.4	R 62.475 EMIS 28.9 24.0 13.7 19.4 25.9	V 2.350 ALPHA 26.1 17.2	PTH AZ -68-217 115-804 SCALE PT-PT 0- 0- 1 69-89192 1- 2
TRAJECTORY PHOTO DATA PT LAY 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649	LON -20.167 -22.349 -24.315 -22.549 -20.662 -20.384	RANGE 582.07593 564.14904 538.80093 550.80346 570.45466 585.02147	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0	AZN 6.2 6.5 4.1 5.7 7.3 8.4	SEC TO 232. AZSUN -82.9 -82.2 -81.0 -81.1 -81.1	IMPACT 894 AZA 49.6 45.8 45.9 42.3 38.8 42.4	ALT 527.01926 A* 27.11684 26.81080 25.37559 26.05143 26.84371 27.67194	LA 9 -7. B/A 0.898 0.913 0.980 0.948 0.908 U.873	T L 771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2	UN .718 INCD 68.0 66.0 63.9 65.6 67.4	226 PHAZ 41.3 47.6 53.2 47.8 42.4	R 62.475 EMIS 28.9 24.0 13.7 19.4 25.9 29.6	V 5 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6	PTH AZ -68.217 115.804 SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.92994 5-6
TRAJECTORY PHOTO DATA PT LAT 1 -10-827 2 -11.691 3 -9-976 4 -9-886 5 -9-790 6 -11.649 7 -13-653	LON -20.167 -22.349 -24.315 -22.549 -20.662 -20.384 -20.050	RANGE 582.07593 564.14904 538.80093 550.80346 570.45466 585.02147 608.48041	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -44.3	AZN 6.2 6.5 4.1 5.7 7.3 8.4 9.6	SEC TO 232. AZSUN -82.9 -82.2 -81.0 +81.1 -81.1 -82.6 -84.1	1MPACT 894 AZA 49.6 45.8 45.9 42.3 38.8 42.4 45.8	ALT 527.01926 A. 27.11684 26.81080 25.37559 26.05143 26.84371 27.67194 28.65724	B/A 0.898 0.913 0.980 0.948 0.908 0.908 0.873 0.830	T L 771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7	UN .718 INCD 68.0 66.0 63.9 65.6 67.4 67.9	226 PHAZ 41.3 47.6 53.2 47.8 42.4 42.2 42.5	R 62.475 EMIS 28.9 24.0 13.7 19.4 25.9 29.6 34.7	V 5 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3	PTH AZ -68-217 115-804  SCALE PT-PT 0. 0-1 69-89192 1-2 78-21273 2-3 52-75605 3-4 56-39511 4-5 56-39511 4-5 661-49080 6-7
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629	LON -20.167 -20.349 -24.315 -22.549 -20.662 -20.384 -20.050 -22.112	RANCE 582.07593 564.14904 538.80093 550.80346 570.45466 585.02147 608.48041 585.82380	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.3 -34.6	AZN 6.2 6.5 4.1 5.7 7.3 8.4 9.6 7.4	SEC TO 232. AZSUN -82.9 -81.0 -81.1 -81.1 -82.6 -84.1	1MPACT 894 AZA 49.6 45.8 45.9 42.3 38.8 42.4 45.8 45.8	ALT 527-0192' A= 27-11684 26-81080 25-37559 26-05143 26-84371 27-67194 27-70757	LA 9 -7. 8/A 0.898 0.913 0.980 0.948 0.908 0.873 0.830 0.871	T L 771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.7	UN .718 INCD 68.0 66.0 63.9 65.6 67.4 67.9 68.4 66.4	226 PHAZ 41.3 47.6 53.2 47.8 42.4 42.2 42.5 47.8	R 62.479 EMIS 28.9 24.0 13.4 25.9 29.6 34.7	V 5 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.39514 6-7 60.69085 7-8
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620	LON -20.167 -22.349 -24.315 -22.549 -20.662 -20.384 -20.050	RANGE 582.07593 564.14904 538.80093 550.80346 570.45466 585.022147 608.48041 585.82380 571.82088	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -44.3 -34.6	AZN 6.2 6.5 4.1 5.7 7.3 8.4 9.6 7.4	SEC TO 232. AZSUN -82.9 -82.2 -81.1 -81.1 -82.6 -84.1 -83.9	1MPACT 894 AZA 49.6 45.8 45.9 42.3 38.8 42.4 45.8 49.2 52.8	ALT 527.01929 A• 27.11684 26.81080 25.37559 26.05143 26.84371 27.67142 28.65724 27.70757	B/A 0.898 0.913 0.980 0.948 0.908 0.873 0.830 0.871	T L 771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.5 -85.2 -95.2 -95.7 -95.2	UN .718 INCO 68.0 66.0 63.9 65.6 67.4 67.9 68.4 66.4 664.6	226 PHAZ 41.3 47.6 53.2 47.8 42.4 42.5 47.8 53.2	R 62.479 EMIS 28.9 24.0 13.7 19.4 25.9 29.6 34.7 29.8 29.8	V 5 2.350 ALPHA 26.1 17.5 24.8 24.6 23.3 15.8 8.5	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.39294 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976	LON -20.167 -22.349 -24.315 -22.549 -20.662 -20.384 -20.050 -22.112 -24.026	RANCE 582.07593 564.14904 538.80093 550.80346 570.45466 585.02147 608.48041 585.82380	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -44.3 -34.6	AZN 6.2 6.5 4.1 5.7 7.3 8.4 9.6 7.4	SEC TO 232. AZSUN -82.9 -82.2 -81.0 +81.1 -81.1 -82.6 -84.1 -83.5 -82.9	IMPACT 894 AZA 49.6 45.8 45.9 42.3 38.8 45.8 45.8 49.2 52.8 49.2	ALT 527.01925 A* 27.11684 26.81080 25.37559 26.05143 26.84371 27.67194 28.65724 27.70757 26.90797 26.08026	B/A 0.898 0.913 0.980 0.948 0.908 0.873 0.830 0.871 0.905 0.906	T L 771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8	UN .718 INCO 66.0 63.9 65.6 67.4 67.9 68.4 64.6 64.2	226 PHAZ 41.3 47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.0	R 62.479 EMIS 28.9 24.0 13.7 19.4 25.9 29.6 34.7 29.8 19.6	V i 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8 8.5 9.9	PTH AZ -68-217 115-804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56-39511 4-5 56-39511 4-5 56.92994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57-26969 9-10
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976 12 -8.641	LON -20.167 -22.349 -24.315 -22.549 -20.662 -20.384 -20.050 -22.112 -24.026 -24.181 -24.315 -26.047	RANGE 582-07593 564-14904 538-80093 550-80346 570-45466 685-02147 608-48041 585-82380 571-82088 851-36671 538-80093 528-37777	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -44.3 -22.0 -29.6 -43.8	AZN 6.2 6.5 4.1 5.7 7.3 8.4 9.6 7.4 4.6	SEC TO 232.  AZSUN -82.9 -82.2 -81.0 -81.1 -82.6 -84.1 -83.5 -82.9 -81.9 -81.0 -80.3	1MPACT 894 AZA 49.6 45.8 45.9 42.3 42.4 45.8 45.8 45.8 45.8 45.8 45.8 45.8 45	ALT 527.01929 A• 27.11684 26.81080 25.37559 26.05143 26.84371 27.67142 28.65724 27.70757	B/A 0.898 0.913 0.980 0.948 0.908 0.830 0.871 0.905 0.906 0.908	T L 771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8	UN .718 INCD 68.0 66.0 63.9 65.4 67.4 67.9 68.4 66.4 64.6 64.2 63.9	226 PHAZ 41.3 47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.2 53.2 53.2	R 62.475 EMIS 28.9 24.0 13.7 125.9 29.6 34.7 29.8 26.3 13.7	V 5 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8 8.5 9.9 10.3	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.39514 4-5 61.49080 6-7 60.69080 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525	LON -20.167 -22.349 -20.662 -20.384 -20.050 -22.112 -24.026 -24.181 -24.015 -24.417 -24.417	RANGE 582-07593 564-14904 538-80093 550-86346 570-45466 685-02147 608-48041 551-36671 538-80093 528-37777 538-51226	AZS/C -32-5 -44-2 -43-8 -58-6 -66-7 -54-0 -44-3 -34-6 -43-8 -34-6 -67-3	AZN 6.2 6.5 4.1 7.3 8.4 9.6 7.1 4.6 4.1 2.3	SEC TO 232.  AZSUN -82.9 -81.0 -81.1 -81.1 -83.5 -82.9 -81.0 -80.3 -80.3	1MPACT 894 AZA 49.6 45.8 42.3 38.8 42.4 45.4 45.2 45.2 45.2 45.2 45.2	ALT 527.01926 27.11684 26.81080 25.37559 26.05143 26.84371 27.67194 28.65724 27.70757 26.90797 26.08026 25.37559 23.58265 24.73986	LA <sup>A</sup> 9 -7.  B/A 0.898 0.913 0.980 0.948 0.908 0.873 0.830 0.871 0.905 0.995 0.946	T L 771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.5 -85.7 -90.2 -95.7 -95.2 -94.8 -90.2 -95.5	UN .718 INCD 68.0 66.0 63.9 65.6 67.4 67.9 68.4 66.4 64.6 64.6 64.2 63.9 62.0	226 PHAZ 41.3 47.6 53.2 47.8 42.4 42.2 42.5 47.8 53.0	R 62.475 EMIS 28.9 24.0 13.7 19.4 25.9 29.6 34.7 29.8 26.3 19.6	V i 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8 8.5 9.9	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.92994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827  2 -11.691  3 -9.976  4 -9.886  5 -9.790  6 -11.649  7 -13.653  8 -13.629  9 -13.620  10 -11.735  11 -9.976  12 -8.641  13 -8.525  14 -8.399	LON -20.167 -22.349 -24.315 -22.549 -20.384 -20.050 -22.112 -24.026 -24.181 -24.315 -26.047 -24.417 -22.699	RANGE 582-07593 564-14904 538-80093 550-80346 570-45466 585-02147 608-48041 585-82380 571-82088 551-36671 538-80093 528-37777 533-51226	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -24.3 -34.6 -22.0 -29.6 -34.8 -34.6 -67.3	AZN 6.2 6.5 1 5.3 8.4 9.6 7.4 1 4.6 4.1 2.3 3.8 2	AZSUN -82.9 -82.2 -81.0 -81.1 -82.6 -84.1 -83.5 -82.9 -81.9 -80.3 -80.3 -80.3	IMPACT 894 AZA 49.6 45.8 45.9 38.8 42.4 45.2 52.8 49.2 52.8 49.2 45.9 46.0 39.1	ALT 527-0192' A• 27-11684 26-81080 25-37559 26-05143 26-84371 27-67194 28-65724 27-70757 26-90797 26-908926 25-37559 23-58265 24-73986 25-48063	B/A 0.898 0.998 0.998 0.908 0.908 0.871 0.830 0.871 0.946 0.996 0.971 0.996 0.971	T L T771 -26  AZPHAZ -93.6 -90.2 -85.5 -85.2 -95.7 -90.2 -95.7 -90.2 -91.6 -90.2 -81.6 -80.8	UN .718 INCD 66.0 63.9 65.6 67.4 66.4 66.4 66.4 64.2 63.9 62.0 63.6	226 PHAZ 41.3 47.6 547.8 42.4 42.2 42.5 453.0 53.0 53.0 53.7 48.4	R 62.475 EMIS 28.9 24.0 13.7 19.4 29.6 34.7 29.8 19.6 13.7 4.7 10.2	V 5 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8 8.5 9.9 10.3	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.39514 4-5 61.49080 6-7 60.69080 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261	LON -20-167 -22-349 -24-315 -22-549 -20-652 -20-384 -20-050 -22-112 -24-026 -24-181 -24-315 -26-047 -22-699 -20-867	RANGE 582-07593 564-14904 538-80093 550-80346 570-45466 685-02147 608-48041 585-82380 571-82088 551-36671 338-80093 528-37777 533-51226 545-11600	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -22.0 -22.0 -29.6 -43.6 -67.3 -76.2	AZN 6.2 6.5 1 5.7 7.3 8.46 7.4 1 4.6 1 2.3 3.8 5.5	AZSUN -82.9 -81.1 -81.1 -83.5 -82.9 -81.0 -81.0 -81.0 -81.0 -80.3 -80.3 -80.2 -80.2	1MPACT 894 AZA 49.6 45.8 45.8 45.8 45.8 45.8 45.8 45.8 49.2 45.8 49.2 44.0 39.1	ALT 527.0192' 27.11684 26.81080 25.37559 26.05143 26.84371 27.67724 27.70757 26.90797 26.08026 25.37559 23.58265 24.73986 25.48063 26.22469	LA 9 -7. B/A 0.898 0.913 0.998 0.908 0.908 0.873 0.837 0.905 0.971 0.996 0.971 0.996	T L. T771 -26  AZPHAZ -93.6 -90.2 -85.5 -84.7 -90.2 -95.7 -95.2 -94.8 -90.2 -85.5 -82.6 -80.8 -80.8 -80.8	UN .718 INCO 66.0 66.0 65.6 67.4 66.4 66.4 66.4 66.5 63.6 65.6 65.3 67.1	226 PHAZ 41-3 43-6 47-8 42-5 47-8 53-0 553-0 553-9 543-4 43-4	R 52.475 EMIS 28.9 24.0 13.7 19.4 25.9 24.7 29.8 26.3 19.6 13.7 4.7 10.2 17.0 24.0	V 5 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8 8.5 9.9 10.3 3.1 9.9 10.9	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.49294 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.06565 14-15
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827  2 -11.691  3 -9.976  4 -9.886  5 -9.790  6 -11.669  7 -13.653  8 -13.629  9 -13.620  10 -11.735  11 -9.976  12 -8.641  13 -8.525  14 -8.399  15 -8.261  16 -8.106	LON -20.167 -22.349 -24.315 -22.549 -20.662 -20.384 -20.050 -22.112 -24.026 -24.315 -24.026 -24.315 -26.047 -22.699 -20.867 -18.886	RANGE 582-07593 564-14904 538-80093 550-86346 570-45466 688-8041 585-82380 571-82088 551-36671 538-80093 528-3777 533-51226 545-11600 564-04972 591-39022	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -44.3 -34.6 -22.0 -43.8 -34.6 -67.3 -76.2 -82.4	AZN 6.25 4.17 7.3 9.6 7.4 4.6 4.1 2.3 5.2 6.5	AZSUN -82.9 -81.0 -81.1 -82.6 -84.1 -83.1 -83.1 -83.1 -83.1 -83.3 -80.3 -80.2 -80.0 -79.8	1MPACT 894 49.6 45.8 45.9 42.3 42.4 45.8 45.9 46.0 39.6 45.9 45.9 45.0 39.6 45.0 39.6 45.0 39.6 45.0 39.6	27.11684 26.81080 25.37559 26.05143 26.84371 27.67194 28.65724 27.70757 26.90797 26.90797 26.90797 26.90797 26.252626 26.24699 27.10446	LA 9 -7. B/A 0.898 0.913 0.980 0.948 0.873 0.830 0.871 0.905 0.905 0.906 0.971 0.996 0.972 0.932	T L T771 -26  AZPHAZ -93.6 -90.2 -85.5 -85.2 -95.7 -90.2 -95.5 -85.5 -85.2 -95.7 -95.2 -95.5 -82.2 -80.8 -80.0 -79.0	UN .718 INCO 66.0 63.9 65.6 67.4 67.9 68.4 66.4 66.4 66.2 63.9 62.0 63.6 65.3 67.1	226 PHAZ 47.6 53.2 47.8 42.2 42.5 53.0 53.0 53.0 53.7 48.4 43.1	R 62.475 28.9 24.0 13.7 19.4 29.6 34.7 29.8 19.6 13.7 10.2 17.0 24.0	V 5 2.350 ALPHA 26.1 17.2 10.3 17.5 24.6 23.3 15.8 8.5 9.9 10.3 3.1 9.9 16.9 24.0	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89191 - 2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.92994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.106	LON -20.167 -22.349 -24.315 -22.549 -20.662 -20.384 -20.050 -22.112 -24.026 -24.181 -24.315 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -26.047 -24.617 -2	RANGE 582-07593 564-14904 538-80093 550-80346 570-45466 585-02147 608-48041 585-82380 571-82088 551-36671 538-80093 528-37777 533-51226 545-11600 564-04972 591-39022 598-92356	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -22.0 -29.6 -43.8 -34.6 -67.3 -76.2 -80.2 -82.4	AZN 6.25 6.17 7.3 89.6 7.4 4.13 3.8 2 6.5 8 8 7.8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	SEC TO 232.  AZSUN -82.9 -82.9 -81.0 -81.1 -82.6 -84.1 -83.5 -82.9 -81.9 -81.0 -80.3 -80.2 -80.0 -79.8	1MPACT 894 AZA 49.6 45.9 42.3 34.8 45.8 249.8 45.8 49.8 49.8 49.8 49.6 44.0 1 35.6 32.5	ALT 527.0192' 27.11684 26.81080 25.37559 26.05143 26.84371 27.70757 26.90797 26.08026 25.37559 24.73986 25.48063 25.48063 26.22469 27.10446 27.10446	LA 9 -7. 8/A 0.898 0.913 0.980 0.908 0.908 0.830 0.830 0.871 0.995 0.946 0.997 0.996 0.972 0.988 0.932 0.886 0.886 0.886	T L. T771 -26  AZPHAZ -93-6 -90-2 -85-5 -85-2 -95-7 -95-2 -95-7 -95-2 -81-6 -80-8 -80-0 -79-0	UN .718 INCD 66.0 66.0 63.9 65.6 67.4 67.9 68.4 66.4 64.2 63.9 62.0 63.6 65.3 67.1	226 PHAZ 47.6 53.2 47.8 42.4 42.5 47.8 53.0 53.0 53.0 53.7 44.1 37.1	R 62.479 EMIS 24.0 13.7 19.4 29.6 34.7 29.8 19.6 13.7 4.7 17.0 24.0 31.1	V 5 2.350 ALPHA 26.1 10.3 17.5 24.6 23.3 15.8 8.5 9.9 10.9 16.9 24.0 31.1 32.1	PTH AZ -68-217 115-804  SCALE PT-PT 0. 0-1 69-89192 1-2 78-21273 2-3 52-75605 3-4 56-39511 4-5 56-39511 4-5 61-49080 6-7 60-69085 7-8 56-34783 8-9 57-26969 9-10 53-42327 10-11 65-69186 11-12 48-93403 12-13 51-60998 13-14 55-06565 14-15 59-58170 15-16
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827  2 -11.691  3 -9.976  4 -9.886  5 -9.790  6 -11.649  7 -13.653  8 -13.620  10 -11.735  11 -9.976  12 -8.641  13 -8.525  14 -8.399  15 -8.261  16 -8.106  17 -9.685  18 -11.611	LON -20.167 -22.349 -24.315 -22.549 -20.050 -22.112 -24.025 -24.181 -24.315 -26.047 -22.699 -24.816 -24.315 -26.047 -21.816.86 -18.615 -18.244 -18.248	RANGE 584-14904 538-80093 550-86346 570-45466 685-02147 608-48041 585-82380 571-82088 551-36671 538-80093 528-37777 533-51226 545-11600 564-04972 598-92356 615-30669	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -44.3 -34.6 -22.0 -43.8 -34.6 -67.3 -76.2 -80.2 -80.2 -80.2	AZN 6.5 4.1 5.7 7.3 8.4 9.6 7.4 4.6 4.1 3.8 5.2 7.8 8.0 7.8	SEC TO 232.  AZSUN -82.9 -81.0 -81.1 -82.6 -84.1 -83.5 -82.9 -81.0 -80.3 -80.2 -80.79.8	IMPACT 894 AZA 49.6 45.8 45.9 38.8 42.4 45.2 45.2 45.2 45.2 35.6 35.6 35.6 35.6 35.6 35.6 35.6 35.6	ALT 527-0192: A• 27-11684 26-81080 25-37559 26-05143 26-84371 27-67194 28-65724 27-70757 26-90797 26-90797 26-908026 25-37559 23-58265 23-58265 23-58265 23-58266 23-75986 25-375986 25-375986 27-70446 27-78465 28-70175	LA 9 -7. B/A 0.898 0.913 0.980 0.948 0.908 0.871 0.830 0.871 0.905 0.971 0.995 0.972 0.932 0.830 0.971 0.905	T L. T771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -95.7 -90.2 -95.7 -95.2 -95.0 -90.2 -85.5 -82.2 -95.0 -90.2 -84.1 -90.2	UN .718 INCO 66.0 65.6 67.4 67.9 68.4 64.6 64.2 63.9 62.0 63.6 67.1 69.0 69.9	226 PHA:3 47-6 53-2 42-4 42-5 53-0 53-9 53-7 43-1 37-1 37-1	R 62.479 EMIS 28.9 24.0 13.7 25.9 29.6 34.7 29.8 26.3 19.6 13.7 4.7 10.2 11.0 24.0 31.1 32.8	V 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8 8.5 9.9 10.3 3.11 9.9 16.9 24.9 31.1 32.1	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.05656 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.1681 17 -9.685 18 -11.611	LON -20.167 -22.349 -24.315 -22.549 -20.662 -20.384 -20.050 -22.112 -24.026 -24.181 -24.315 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -24.026 -26.047 -24.617 -2	RANCE 582-07593 564-14904 538-80093 550-88346 570-45466 585-02147 608-48041 538-82380 571-82088 551-36671 538-80093 528-3777 533-51226 545-11600 544-04972 591-39022 598-92356 615-30669 641-34639	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -22.0 -29.6 -43.8 -34.6 -67.3 -76.2 -80.2 -80.2 -80.2	AZN 6.5 4.1 5.7 7.4 9.6 7.41 4.6 4.1 3.8 5.5 6.8 8.8 11.9	SEC TO 232- AZSUN -82-9 -81-1 -81-1 -81-1 -82-9 -81-9 -81-9 -81-9 -81-9 -81-9 -81-9 -81-9 -81-9 -81-1 -82-9 -81-9 -81-1 -82-9 -81-9 -84-9 -84-9	1MPAC I 894 AZA 495.8 455.9 38.8 425.8 425.8 495.2 495.2 445.0 355.6 335.6 335.6 335.6 335.6	ALT 527.0192' 27.11684 26.81080 25.37559 26.05143 26.84371 27.67194 28.65724 27.70757 26.90797 26.908026 24.73986 24.73986 25.48063 26.22469 27.10446 28.70175 28.70175 29.80384	B/A 0.898 0.913 0.980 0.948 0.968 0.873 0.837 0.995 0.971 0.996 0.972 0.932 0.865 0.865 0.865 0.865 0.865 0.865	T L. T771 -26  AZPHAZ -93.6 -90.2 -85.5 -85.2 -95.7 -95.2 -94.8 -90.2 -81.6 -80.8 -80.0 -79.0 -84.1 -90.2	UN .718 INCO 68.0 65.6 67.4 66.4 66.4 66.4 65.3 67.1 69.0 69.4 69.9 70.6	226 PHA.2 47.6 53.8 47.8 42.2 42.5 47.8 53.0 53.2 53.2 53.7 48.4 43.9 37.8 37.8	R 62.475 EMIS 28.9 24.0 13.7 19.4 25.6 34.7 19.4 25.6 34.7 10.2 26.3 13.7 10.2 26.3 36.4 40.4 40.4	V 2.350 ALPHA 26.1 17.5 24.6 23.3 15.8 8.5 910.3 3.1 9.9 24.0 31.1 32.1 32.1 32.8	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.39511 4-5 56.42994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.06565 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.106 17 -9.685 18 -11.611 9 -13.696 20 -15.998	LON	RANGE 584-14904 538-80093 550-86346 570-45466 685-02147 608-48041 585-82380 571-82088 551-36671 538-80093 528-37777 533-51226 545-11600 564-04972 598-92356 615-30669	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -44.3 -34.6 -22.0 -43.8 -34.6 -67.3 -76.2 -80.2 -80.2 -80.2	AZN 6.5 4.1 5.7 7.3 8.4 9.6 7.4 4.6 4.1 3.8 5.2 7.8 8.0 7.8	SEC TO 232.  AZSUN -82.9 -82.2 -81.1 -81.1 -81.1 -83.5 -82.9 -81.0 -80.3 -80.3 -80.2 -81.0 -79.8	IMPACI 894 A74 A75.8 45.8	ALT 527.0192' 27.11684 26.81080 26.05143 26.84371 27.67194 28.65724 27.70757 26.90797 26.08026 27.73986 25.48063 26.22469 27.10446 27.78465 28.70175 29.80384 31.15579	B/A 0.898 0.913 0.980 0.948 0.968 0.908 0.908 0.905 0.971 0.996 0.972 0.932 0.860 0.824 0.773	T L 7771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -95.7 -90.2 -95.7 -95.2 -95.7 -95.2 -95.5 -82.2 -95.6 -80.8 -80.0 -79.0 -84.1 -90.2 -96.3 -102.2	UN .718 INCO 66.0 65.6 67.4 66.4 66.4 66.2 63.9 62.0 63.3 67.1 69.0 69.4 69.9 70.6 71.4	226 PHA-3 47-6 53-2 47-8 42-4 42-5 53-9 53-9 443-1 337-1 337-1 338-2	R 62.475 EMIS 28.9 24.07 13.4 25.6 234.7 125.6 234.7 10.2 24.0 132.8 36.0 40.7	V 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8 8.5 9.9 10.3 1.1 32.2 30.8	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.92994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.05655 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18 64.54958 18-19 71.70938 19-20
TRAJECTORY PHOTO DATA PT LAT 1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.73 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.106 17 -9.685 18 -11.611 9 -13.696 20 -15.998 21 -15.8745	CON - 20.167 - 22.349 - 24.315 - 22.549 - 20.662 - 24.181 - 24.315 - 26.047 - 22.699 - 24.181 - 24.417 - 22.699 - 21.824 - 17.728 - 18.244 - 17.728 - 19.638 - 19.638 - 21.824	RANGE 582-07593 564-14904 538-80093 550-88346 570-45466 685-02147 608-48041 551-36671 538-80093 528-37777 533-51226 545-11600 564-04972 598-92356 641-34639 641-34639 641-34639 642-49467 647-4949	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -44.3 -34.6 -22.0 -43.8 -67.3 -76.2 -80.2 -80.2 -80.4 -71.6 -60.6 -51.6 -64.4	AZN 6.2 6.5 4.1 5.7 7.3 8.4 9.6 7.4 4.1 3.8 5.5 7.8 810.2 11.3	AZSUN -82.9 -81.0 -81.1 -81.1 -81.1 -83.5 -82.9 -81.0 -81.0 -81.9	1MPAC I 894 AZA 495.8 455.9 38.8 425.8 425.8 495.2 495.2 445.0 355.6 335.6 335.6 335.6 335.6	ALT 527.0192' 27.11684 26.81080 25.37559 26.05143 26.84371 27.67194 28.65724 27.70757 26.90797 26.908026 24.73986 24.73986 25.48063 26.22469 27.10446 28.70175 28.70175 29.80384	B/A 0.898 0.913 0.980 0.913 0.980 0.871 0.830 0.871 0.995 0.995 0.995 0.995 0.977 0.972 0.820 0.824 0.779	T L 7771 -26  AZPHAZ -93.6  -90.2  -85.5  -85.2  -90.2  -95.7  -95.2  -94.8  -90.2  -81.6  -80.8  -80.0  -79.0  -84.1  -90.2  -90.2  -101.0	UN .718 INCD 68.0 66.0 63.9 65.6 67.4 66.4 64.2 63.9 62.0 63.6 65.1 69.0 69.4 69.9 70.6 71.4	226 PHA 2 41.3 47.6 42.4 42.5 42.8 53.0 53.0 53.0 53.7 48.4 37.1 37.1 37.1 37.1 37.1 37.1 37.2	R 62.475 EMIS 28.07 19.4 25.9 24.7 19.4 25.9 13.7 19.4 26.3 19.6 13.7 10.2 17.0 231.1 32.8 40.4 40.6	V 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.8 24.8 8.5 9.9 10.3 15.8 8.5 9.9 16.9 24.0 31.1 32.1 32.2 30.8 28.6	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.92994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.06565 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18 64.54958 18-19 71.70938 19-20 70.633396 20-21
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827  2 -11.691  3 -9.976  4 -9.886  5 -9.790  6 -11.649  7 -13.653  8 -13.629  9 -13.620  10 -11.735  11 -9.976  12 -8.641  13 -8.525  14 -8.399  15 -8.261  16 -8.106  17 -9.685  18 -11.611  19 -13.698  20 -15.998  21 -15.851  22 -15.745	LON -20.167 -22.349 -24.315 -22.549 -20.384 -20.050 -22.112 -24.015 -24.017 -22.649 -20.867 -18.866 -18.615 -18.244 -17.789 -17.789 -19.638 -18.248 -17.388 -18.248 -17.388 -18.248 -17.388 -21.8824 -23.881	RANGE 582-07593 564-14904 538-80093 550-86346 570-45466 688-80041 585-82380 571-82088 551-36671 538-80093 528-37777 533-51226 545-11600 564-04972 598-92356 641-34639 679-08781 642-49467 617-249469 601-42554	AZS/C -32.5 -44.2 -43.8 -58.6 -66.7 -54.0 -22.0 -29.6 -43.8 -34.6 -67.3 -76.2 -80.2 -80.2 -80.2 -81.6 -61.6 -61.6 -43.8	AZN 20 6.5 1 5.7 7.3 8.6 7.4 1 5.8 2 5.5 7.8 8 10.9 11.3 8 .6 2 11.3 8 .6 5 .9 11.3 8 .6 5 .9	SEC TO 232.  AZSUN -82.9 -82.2 -81.0 -81.1 -82.6 -84.1 -83.5 -82.9 -81.0 -81.9 -81.9 -81.9 -81.2 -86.0 -79.8 -81.1 -82.9 -87.2 -86.0 -84.9 -87.4 -9	1MPACI 894 A 2 A 6 45.8 9 42.8 8 45.2 3 8 45.2 9 45.9 2 45.0 1 6 3 3 5 2 4 4 5 2 9 4 5 2 9 4 5 2 9 4 5 2 5 2 5 5 6 5 6 5 6 5 6 5 6 6 7 6 7 6 7 6 7 6	27.11684 26.81080 27.11684 26.37559 26.05143 26.84371 27.67194 28.65724 28.65724 28.65724 28.7572 26.08026 25.37559 26.28469 27.10446 27.778465 28.70175 29.80384 31.15579 29.85004 28.78301 27.89385	B/A 0.898 0.913 0.980 0.913 0.980 0.948 0.908 0.870 0.830 0.871 0.995 0.971 0.995 0.971 0.932 0.885 0.824 0.777 0.777 0.820 0.850	T L6 7771 -26 -93.6 -90.2 -85.5 -85.2 -84.7 -90.2 -95.7 -90.2 -95.7 -90.2 -95.7 -90.2 -96.3 -80.8 -80.0 -79.0 -84.1 -90.2 -96.3 -102.2 -101.0 -100.1	UN .718 INC D 68.0 0 66.0 66.0 67.4 67.4 66.4 66.4 66.4 66.4 66.4 66.4	226 PHAZ 41.3 47.6 47.8 42.4 42.5 53.2 47.8 42.5 53.0 53.7 43.1 37.1 37.1 37.1 37.1 43.3 43.3 43.3	R 62-475 EMIS 28-9 13-7 19-4 40-6 36-3 3-3 3-3 3-3 3-3 3-3 3-3 3-3 3-3	V 2.350 ALPHA 26.1 17.2 10.3 17.5 24.8 24.6 23.3 15.8 8.5 9.9 10.3 1.1 32.2 30.8	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.49294 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.06565 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18 64.54958 18-19 71.70938 19-20 70.63396 20-21 63.80224 21-22
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.106 17 -9.685 18 -11.611 9 -13.696 20 -15.998 21 -15.851 22 -15.745 23 -15.670 24 -15.619	CONTACT CONTAC	RANGE 582-07593 564-14904 538-80093 550-80346 570-45466 685-02147 608-48041 585-82380 571-82088 551-36671 538-80093 528-37777 591-39022 598-92356 615-30669 64-04972 598-92356 615-30669 641-49467 617-24949 601-42554 693-65201	AZS/C -32-5 -44-2 -43.8 -58-6 -66-7 -54-0 -44-3 -34-6 -67-3 -76-2 -80-2 -80-2 -80-6 -51-6 -60-6 -51-6 -71-6 -71-6 -71-6 -71-7	AZN 2 2 6 6 5 1 5 - 7 7 - 3 4 9 - 6 4 - 1 3 8 - 2 5 6 - 5 8 8 - 10 1 4 - 0 3 1 4 - 0 3 - 2 1 4 - 0 3	SEC TO 2322 AZSUN -82.9 -81.1 -81.1 -82.6 -84.1 -83.5 -82.9 -81.9 -81.9 -81.9 -84.9	1MPACT 894 49.4 45.8 42.8 45.8 42.8 45.8	ALT 527.0192' 27.11684 26.81080 25.37559 26.05143 26.84371 27.67724 27.70757 26.90797 26.90797 26.90797 26.90797 26.37559 24.73986 25.48063 26.22469 27.10446 27.78465 28.70175 28.70175 29.8038 31.15579 29.8038 31.15579 29.8038 27.8301 27.89385 27.14327	B/A 0.898 0.998 0.998 0.948 0.873 0.830 0.871 0.905 0.995 0.995 0.996 0.971 0.995 0.885 0.885 0.885 0.885 0.885 0.885 0.885 0.885 0.885	T L T771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -95.7 -95.2 -95.7 -95.2 -96.8 -80.8 -80.0 -79.0 -84.1 -90.2 -96.3 -102.2 -101.0 -99.3 -98.5	UN .718 INCO 68.0 68.0 65.6 67.4 67.9 68.4 64.6 64.2 63.6 67.1 66.4 67.1 67.1 67.0 69.4 67.0 69.4 67.0 65.0 69.4 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0	226 PHAZ 41.3 41.3 47.8 42.2 47.8 42.2 47.8 53.2 53.2 53.7 48.4 43.1 337.1 337.1 337.1 348.6 53.8	R 62-4-75 EMIS 28-9 29-6 72-7-72-7-72-7-72-7-7-7-7-7-7-7-7-7-7-7	V 2.350  ALPHA 26.1 17.2 10.3 17.5 24.8 23.3 15.8 9.9 10.3 3.1 9.9 24.0 31.1 32.2 30.8 28.0 20.6 21.2	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.92994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.06565 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18 64.54958 18-19 71.70938 19-20 70.633396 20-21
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.106 17 -9.685 18 -11.611 19 -13.696 20 -15.998 21 -15.851 22 -15.745 23 -15.670 24 -15.619	LON -20.167 -22.349 -24.315 -22.549 -20.050 -22.112 -24.025 -24.181 -24.315 -26.047 -22.699 -20.887 -18.886 -18.615 -18.244 -17.789 -17.218 -19.638 -1	RANGE 582-07593 564-14904 538-80093 550-86346 570-45466 685-02147 608-48041 585-82380 571-82088 551-36671 538-80093 528-37777 533-51226 545-11600 564-04972 598-90356 641-34639	AZS/C -32-5 -44-2 -43.8 -58.6 -60.7 -54-0 -22-0 -22-0 -29.6 -43.8 -34.6 -60.6 -60.6 -60.6 -51.6 -60.6 -51.6 -17.6 -21.0 -21.6	AZN 6.2 6.51 5.7 7.3 8.4 9.6 4.1 2.3 8.5 5.2 7.8 8.0 2 11.9 11.3 8.9 2.9	SEC TO 232.  AZSUN -82.9 -82.2 -81.0 -81.1 -82.6 -84.1 -9.81.0 -84.1 -9.81.0 -79.8 -81.1 -82.6 -84.9 -84.9 -87.8 -83.1 -82.3	1M9 A Z A 6 A 9 - 8 A 4 5 - 9 - 8 A 4 5 - 9 - 8 A 4 5 - 9 - 8 A 4 5 - 9 - 9 - 4 7 - 0 5 - 1 8 A 5 2 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	ALT 527.0192' 27.11684 26.81080 25.37559 26.05143 26.64371 27.67194 28.65724 27.70757 26.90797 26.908026 24.73986 24.73986 25.48063 26.22469 27.10446 27.78465 28.78301 28.78301 28.78302 28.78302 28.78302 28.78302 28.78302 28.78308 27.14327 28.9385 27.14327	B/A 0.898 0.998 0.998 0.998 0.908 0.871 0.905 0.871 0.905 0.971 0.996 0.972 0.885 0.860 0.777 0.823 0.777 0.823 0.777 0.825 0.885 0.885 0.885 0.885 0.885	T L6 AZPHAZ -93.6 -90.2 -85.5 -85.5 -85.2 -90.2 -94.8 -90.2 -95.7 -90.2 -95.8 -90.2 -94.8 -80.0 -79.0 -84.1 -90.2 -96.3 -102.2 -96.3 -102.3 -98.6 -94.4	UN .718  INCO 68.0 66.0 65.6 67.4 66.4 66.6 65.6 65.6 65.6 65.7 90 65.6 65.1 69.0 63.0 970.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6	226 PHAZ 41.3 453.2 42.4 42.4 47.8 47.8 47.8 47.8 47.8 47.8 47.8 37.9 336.8 37.2 43.3 43.3 43.3 53.8 53.8 53.8	R 82-475 EMIS 28-90 133-7 25-9 29-6 73 17-10-2 24-9 36-0 31-1 336-0 40-4 40-6 333-3 31-6 40-4 40-6 333-3 31-6 40-4 40-6 333-3 41-4 40-6 333-3 41-4 40-6 333-3 41-4 40-6 333-3 41-4 40-6 41 41 41 41 41 41 41 41 41 41 41 41 41	V 2 .350  AL PHA 1 17.2 10.3 17.5 24.6 23.3 15.5 9 10.3 1.1 32.1 2 30.8 24.0 20.6 13.1 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.92994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.6918 11-12 48.93403 12-13 51.60998 13-14 55.05656 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18 64.54958 18-19 71.70938 19-20 70.63396 20-21 63.80224 21-22 58.85779 22-23 55.19997 23-24 60.56187 24-25
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.629 9 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.106 17 -9.685 18 -11.611 19 -13.696 20 -15.998 21 -15.851 22 -15.745 23 -15.670 25 -13.622 26 -11.782	CON -	RANGE 582-07593 564-14904 538-80093 550-80346 570-45466 685-02147 684-8041 585-82380 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 641-34639 641-3	AZS/C -32-5 -44-2 -43-8 -58-6 -66-7 -54-0 -44-3 -34-6 -67-3 -76-2 -80-2 -80-2 -80-6 -371-6 -43-8 -34-6 -51-6 -44-4 -371-7 -71-6 -71-6 -71-6 -71-6 -71-6 -71-6 -71-6 -71-6 -71-6 -71-7 -71-7 -71-7 -71-7 -71-7 -71-7 -71-7 -71-7 -71-7	AZN 6.2 6.5 6.5 7.3 8.4 9.6 7.1 4.6 12.3 8.8 11.9 11.9 11.9 11.9 11.9 11.9 11.9	SEC TO 2322 AZSUN -82.9 -81.0 -81.1 -82.9 -81.9	1MPACT 894 49.4 45.8	ALT 527.0192' 27.11684 26.81080 25.37559 26.05143 26.84371 27.70757 26.90797 26.90797 26.908026 24.73986 25.48063 25.48063 27.10446 27.7465 28.70175 28.980384 31.15579 29.80384 31.15579 29.80384 31.45579 29.80384 31.252469 27.7465 28.70175 28.70175 29.80384 31.252723 29.80384 31.252723 29.80384 31.45579 29.80384 31.252723 29.80384 31.2525	B/A 0.898 0.913 0.980 0.980 0.987 0.871 0.905 0.871 0.996 0.971 0.996 0.971 0.996 0.971 0.996 0.971 0.906 0.773 0.877 0.820 0.871 0.908	T L 7771 -26 AZPHAZ -93.6 -90.2 -85.5 -85.2 -95.7 -90.2 -95.7 -90.2 -95.7 -90.2 -81.6 -80.8 -79.0 -79.0 -84.1 -90.2 -90.1 -99.3 -102.2 -101.0 -100.1 -99.3 -98.4	UN .718  INCO 66.0 68.0 68.0 65.6 67.4 66.4 66.4 66.4 69.9 62.0 69.4 69.9 67.1 67.0 65.0 65.3 67.1 65.0 65.3	226 PHAZ 41.3 41.3 47.8 42.2 47.8 42.2 47.8 53.2 53.2 53.7 48.4 437.9 37.1 37.2 38.3 48.6 59.0 58.5 59.0 58.5	R 62-475 EMIS 24-0 24-0 13-7 25-9 24-0 34-7 2-6-3 19-6 4-7 17-0 24-0 36-3 33-1-6 36-3 33-1-6 36-3 33-1-6 36-3 33-1-6	V 2.350  ALPHA 26.1 17.2 10.3 17.5 24.6 23.3 8.5 9.9 10.3 3.1 9.9 124.0 31.1 32.2 30.8 28.0 20.6 13.2 -0.9 1.8	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.39511 4-5 56.39511 4-5 56.32994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.06565 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18 64.54958 18-19 71.70938 19-20 70.63396 20-21 63.80224 21-22 58.85779 22-23 55.19997 23-24 60.56187 24-25 55.79630 25-26
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.106 17 -9.685 18 -11.611 19 -13.696 20 -15.891 22 -15.745 23 -15.670 25 -13.622 26 -11.782	LON -20.167 -22.349 -24.315 -22.549 -20.050 -22.112 -24.025 -24.181 -24.315 -26.047 -22.699 -20.887 -18.886 -18.615 -18.244 -17.789 -17.218 -19.638 -1	RANGE 584-14904 538-80093 550-80346 570-45466 685-02147 608-48041 585-82380 571-82088 551-36671 538-80093 528-37777 533-51226 545-11600 545-11600 641-34639 679-08781 642-49467 617-24949 601-42554 593-65201 595-65401 533-55239	AZS/C -32-5 -44-2 -43.8 -58.6 -60.7 -54-0 -22-0 -29.6 -43.8 -34.6 -67-3 -76-2 -80.2 -71-6 -60.6 -51-6 -44.4 -37-1 -28-2 -17-4 -5-7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -	AZN 6.2 6.5 6.5 6.5 7.3 8.4 9.6 7.4 15.7 7.8 8.5 2.6 11.3 3.8 10.2 11.3 3.2 2.6 5.9 2.6 5.9	SEC TO 232.  AZSUN -82.9 -82.2 -81.0 -81.1 -82.6 -83.5 -82.9 -81.0 -81.1 -82.6 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -84.9 -86.0 -83.1 -80.8	1M9 A ZA 6 A 9 - 8 A 49 - 8 A	27.11684 26.81080 27.11684 26.37559 26.05143 26.684371 27.67194 28.65724 27.70757 26.08026 25.37559 26.2469 27.10446 27.78465 28.78165 28.	B/A 8/8 0.918 0.918 0.928 0.931 0.932 0.93	T Ld T7771 -26 AZPHAZ -93.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -80.0 -79.0 -84.1 -90.2 -96.3 -102.2 -101.0 -100.1 -99.3 -98.6 -90.1 -85.9	UN .718  INCO 68.0 66.0 65.6 67.4 66.4 66.6 65.3 66.5 3.9 66.5 3.9 66.5 3.9 66.5 3.0 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3	226 41.3 41.3 47.8 42.4 42.4 47.8 42.5 53.2 53.2 53.7 43.3 34.4 53.8 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7	R 62-475 EMIS 9 24-90 13-7 125-9 29-6 7 10-2 24-0 13-7 10-2 24-0 31-1 336-0 33-3 33-3 33-3 324-4 17-2 17-2 17-2 17-2 17-2 17-2 17-2 17-2	V 350 A 1 PHA 1 10.2 3 1 10.3 17.5 8 2 4.6 3 1 5.8 5 9.9 3 1 6.9 9 2 4.0 1 3 2.1 2 3 0.8 0 2 0.6 2 1 3 2.1 2 3 0.8 0 2 0.6 2 1 0.9 4 2 0.8 2 3 1 0.9 9 2 0.6 2 3 1 0.9 9 3 1 0.9 9 4 1 0.	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.92994 5-6 61.49080 6-7 60.69085 7-8 56.34738 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.06565 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18 64.54958 18-19 71.70938 19-20 70.63396 20-21 63.80224 21-22 58.85779 22-23 55.19997 23-24 60.56187 24-25 55.79630 25-26 552.15898 26-27
TRAJECTORY  PHOTO DATA  PT LAT  1 -10.827 2 -11.691 3 -9.976 4 -9.886 5 -9.790 6 -11.649 7 -13.653 8 -13.620 10 -11.735 11 -9.976 12 -8.641 13 -8.525 14 -8.399 15 -8.261 16 -8.106 17 -9.685 18 -11.611 19 -13.696 20 -15.891 22 -15.745 23 -15.670 25 -13.622 26 -11.782	LON -20.167 -22.349 -24.315 -22.549 -20.050 -22.112 -24.025 -24.181 -24.315 -26.047 -24.315 -26.047 -18.886 -18.615 -18.244 -17.789 -17.728 -19.23.841 -25.383 -25.981 -25.983	RANGE 582-07593 564-14904 538-80093 550-80346 570-45466 685-02147 684-8041 585-82380 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 571-82088 641-34639 641-3	AZS/C -32-5 -44-2 -43.8 -58.6 -60.7 -54-0 -22-0 -29.6 -43.8 -34.6 -67-3 -76-2 -80.2 -71-6 -60.6 -51-6 -44.4 -37-1 -28-2 -17-4 -5-7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -	AZN 6.2 6.5 6.5 6.5 7.3 8.4 9.6 7.4 15.7 7.8 8.5 2.6 11.3 3.8 10.2 11.3 3.2 2.6 5.9 2.6 5.9	SEC TO 2322 AZSUN -82.9 -81.0 -81.1 -82.9 -81.9	1M9 A ZA 6 A 9 - 8 A 49 - 8 A	ALT 527.0192' 27.11684 26.81080 25.37559 26.05143 26.84371 27.70757 26.90797 26.90797 26.908026 24.73986 25.48063 25.48063 27.10446 27.7465 28.70175 28.980384 31.15579 29.80384 31.15579 29.80384 31.45579 29.80384 31.252469 27.7465 28.70175 28.70175 29.80384 31.252723 29.80384 31.252723 29.80384 31.45579 29.80384 31.252723 29.80384 31.2525	B/A 8/8 0.918 0.918 0.928 0.931 0.932 0.93	T Ld T7771 -26 AZPHAZ -93.2 -85.5 -85.2 -84.7 -90.2 -95.7 -95.2 -94.8 -80.0 -79.0 -84.1 -90.2 -96.3 -102.2 -101.0 -100.1 -99.3 -98.6 -90.1 -85.9	UN .718 INCO 68.0 66.0 65.6 67.4 66.4 66.6 65.3 66.5 3.9 66.5 3.9 66.5 3.0 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3	226 41.3 41.3 47.8 42.4 42.4 47.8 42.5 53.2 53.2 53.7 43.3 34.4 53.8 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7	R 62-475 EMIS 924-90 13-7 125-9 29-6 7 10-2 24-0 13-7 10-2 24-0 31-1 336-0 333-3 333-3 3324-4 17-2 17-2 17-2 17-2 17-2 17-2 17-2 17-2	V 2.350  ALPHA 26.1 17.2 10.3 17.5 24.6 23.3 8.5 9.9 10.3 3.1 9.9 124.0 31.1 32.2 30.8 28.0 20.6 13.2 -0.9 1.8	PTH AZ -68.217 115.804  SCALE PT-PT 0. 0-1 69.89192 1-2 78.21273 2-3 52.75605 3-4 56.39511 4-5 56.39511 4-5 56.39511 4-5 56.32994 5-6 61.49080 6-7 60.69085 7-8 56.34783 8-9 57.26969 9-10 53.42327 10-11 65.69186 11-12 48.93403 12-13 51.60998 13-14 55.06565 14-15 59.58170 15-16 48.51512 16-17 59.38121 17-18 64.54958 18-19 71.70938 19-20 70.63396 20-21 63.80224 21-22 58.85779 22-23 55.19997 23-24 60.56187 24-25 55.79630 25-26

				RA-VII	CAMERA	FA						78
JULY 31,1964 13	HR 22 MIN 1	SEC 26	MS	1	AB NO	155	ATLA	<b>NS PHOTO</b>	NO	155	POD SI	EQUENCE NO 316
TRAJECTORY DATA				SEC TO 227.		ALT 515.83881	LAT			2251	V 294 2 355	PTH AZ -68.147 115.788
PHOTO DATA				221.	//4	313.03001	-,1 4 6	, - 20 ·	.01-	2231.	294 20333	
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A	AZPHAZ	INCD		IS ALPHA	SCALE PT-PT
1 -10.819 -20.1		-32.6	6.2		49.4	26.55283					3.9 26.0	0. 0-1
2 -11.673 -22.3		-44.3	6.5	-82.2	45.7	26.25432		-90.2	66.0	47.6 24	.0 17.2	68.14341 1- 2 76.60570 2- 3
3 -9.994 -24.2		-43.9	4.1	-81.0	45.8	24.84588 25.51035	0.980	-85.5 -85.2	63.9	53.2 13 47.8 19	3.8 10.4 3.4 17.5	51.67069 3- 4
4 -9.906 -22.5 5 -9.811 -20.6		-58.6 -66.6	5.7 7.3	-81.1 -81.1	42.3 38.9	26.28739	0.908	-84.7		42.4 25		55.23399 4- 5
6 -11.632 -20.3		-54.0	8.4	-82.6	42.3	27.09874		-90.2		42.2 29		55.75161 5- 6
7 -13.594 -20.0		-44.4	9.6	-84.2	45.7	28.06146		-95.7		42.5 34		60.19743 6- 7
8 -13.570 -22.0	72 573.62782	+34.7	7.4	-83.5	49.1	27.13071		-95.2		4/.8 29		59.43444 7- 8
9 -13.561 -23.9	47 554.85/59	-22.2	5.2	-82.9	52.6	26.34498		-94.8		53.2 20		55.18657 8- 9 56.06128 9-10
10 -11.716 -24.0	99 539.86372		4.6	-81.9	49.3	25.53616		-90.2		53.0 19		52.30996 10-11
11 -9.994 -24.2		-43.9 -35.4	4.l 2.4	-81.0 -80.3	45.8 46.1	24.84588 23.08907		-85.5 -82.2		53.2 13		64.33134 11-12
12 -8.687 -25.9 13 -8.573 -24.3			3.8	-80.3	44.0	24.22914		-81.6		53.7 10		47.91445 12-13
14 -8.450 -22.6			5.2	-80.2	39.1	24.94978		-80.8	65.3	48.4 1	7.0 17.0	50.54472 13-14
15 -8.314 -20.6			6.5	-80.0	35.7	25.67949		-80.0	67.l	43.1 24	4.0 24.0	53.92838 14-15
16 -8.162 -18.9	14 579.08127		7.9	-79.7	32.5	26.54020		-79.0	69.0	37.9 3	1.1 31.1	58.33467 15-16
17 -9.709 -18.6		-71.5	8.9	-81.1	35.6	27.20796		-84-1		37.1 3		47.51210 16-17 58.14790 17-18
18 -11.595 -18.			10.2	-82.9 -84.9	39.1 42.4	28.10598 29.18216		-90.2 -96.3		36.8 35 37.2 40		63.18026 18-19
19 -13.635 -17.6 20 -15.887 -17.6			11.8	-87.2	45.6	30.49828				38.2 4		70.12033 19-20
21 -15.745 -19.6			11.2	-86.0	48.9	29.22368						69.10554 20-21
22 -15.641 -21.			8.5	-85.0	52.3	28.17895				48.6 3		62.46380 21-22
23 -15.567 -23.	66 588.75117	-17.6	5.9	-84.1	55.8	27.30590		-99.3				57.63491 22-23
24 -15.517 -25.6		-5.4	3.2	-83.2	59.4	26.56675				59.0 3		54.04582 23-24 59.23946 24-25
25 -13.563 -25.		-7.0	2.9	-82.3	56.3	25.67421			62.9	58.5 2. 58.4 1		54.60954 25-26
26 -11.762 -25.7 27 -10.078 -25.8		-9.7 -16.1	2.7	-81.6 -80.9	53.0	24.91928		-85.9		58.5 1		51.06305 26-27
28 -8.687 -25.9			2.4	-80.3		23.08907						42.16140 27-28
20 0000. 200.												
JULY 31,1964 1	HR 22 MIN 6	SEC 145	MS	•	TAB NO	156	ATL	AS PHOTO	NO	156	POD S	EQUENCE NO 318
JULY 31,1964 1		SEC 145	MS									•
JULY 31,1964 I		SEC 145	MS	SEC TO	IMPACT	ALT	LA	T L	ON		R V	PTH AZ
TRAJECTORY DATA		SEC 145	MS		IMPACT		LA		ON		R V	•
TRAJECTORY DATA				SEC TO 222.	IMPACT 654	ALT	LA	T L 870 -26	ON .511	2240	R V	PTH AZ -68.076 115.771 SCALE PT-PT
TRAJECTORY DATA PHOTO DATA PT LAT LOT 1 -10.812 -20.	RANGE 97 557.48917	AZS/C	MS AZN 6.2	SEC TO	IMPACT	ALT 504.6417 A= 25.98727	LA 5 -7. 8/A 0.898	T L 870 -26 AZPHAZ -93.6	ON .511 INCD 68.0	2240 PHAZ E 41.4 2	R V .097 2.359 MIS ALPHA 8.8 26.0	PTH AZ -68.076 115.771 SCALE PT-PT 0. 0-1
TRAJECTORY DATA PHOTO DATA PT LAT LOT 1 -10.812 -20.: 2 -11.655 -22.	RANGE 97 557.48917 62 540.69662	AZS/C -32.8 -44.3	AZN 6.2 6.5	SEC TO 222. AZSUN -83.0 -82.2	IMPACT 654 AZA 49.3 45.7	ALT 504.6417 A= 25.98727 25.69624	LA 5 -7. 8/A 0.898 0.913	T L 870 -26 AZPHAZ -93.6 -90.2	ON .511 INCD 68.0 66.0	2240 PHAZ E 41.4 2 47.6 2	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3	PTH AZ -68.076 115.771 SCALE PT-PT 0. 0-1 66.42216 1-2
TRAJECTORY DATA PHOTO DATA PT LAT LO! 1 -10.812 -20. 2 -11.655 -22. 3 -10.012 -24.	RANGE 97 557.48917 62 540.69662 47 516.28013	AZS/C -32.8 -44.3 -44.1	AZN 6.2 6.5 4.1	SEC TO 222. AZSUN -83.0 -82.2 -81.0	AZA 49.3 45.7 45.7	ALT 504.6417 A* 25.98727 25.69624 24.31494	LA 5 -7. 8/A 0.898 0.913 0.980	T L 870 -26 AZPHAZ -93.6 -90.2 -85.5	ON .511 INCD 68.0 66.0 64.0	2240 PHAZ E 41.4 2 47.6 2	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4	PTH AZ -68.076 115.771 SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3
TRAJECTORY DATA PHOTO DATA PT LAT 1-10.812 -20. 2-11.655 -22. 3-10.012 -24. 4-9.925 -22.	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259	AZS/C -32.8 -44.3 -44.1 -58.6	AZN 6.2 6.5 4.1 5.8	SEC TO 222.  AZSUN -83.0 -82.2 -81.0 -81.1	AZA 49.3 45.7 45.7 42.2	ALT 504.6417 A* 25.98727 25.69624 24.31494 24.96776	LA 5 -7. 8/A 0.898 0.913 0.980 0.947	T L 870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1	ON .511 INCD 68.0 66.0 64.0	2240 PHAZ E 41.4 2 47.6 2 53.2 1	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6	PTH AZ -68.076 115.771 SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4
TRAJECTORY DATA PHOTO DATA PT LAT LOT 1 -10.812 -20. 2 -11.655 -22. 3 -10.012 -24. 4 -9.925 -22. 5 -9.833 -20.	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259 45 546.77402	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6	AZN 6.2 6.5 4.1 5.8 7.3	SEC TO 222.  AZSUN -83.0 -82.2 -81.0 -81.1 -81.1	AZA 49.3 45.7 45.7 42.2 38.9	ALT 504.6417 A* 25.98727 25.69624 24.31494 24.96776 25.72931	LA 5 -7. 8/A 0.898 0.913 0.980 0.947 0.908	T L B70 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7	ON .511 INCD 68.0 66.0 64.0 65.7	2240 PHAZ E 41.4 2 47.6 2	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 5.9 24.8	PTH AZ -68.076 115.771 SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6
TRAJECTORY DATA PHOTO DATA PT LAT 1-10.812 -20. 2-11.655 -22. 3-10.012 -24. 4-9.925 -22.	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259 45 546.77402 78 560.74494	AZS/C -32.8 -44.3 -44.1 -58.6 -56.6	AZN 6.2 6.5 4.1 5.8	SEC TO 222.  AZSUN -83.0 -82.2 -81.0 -81.1	IMPACT 654 AZA 49.3 45.7 45.7 42.2 38.9 42.3	ALT 504.6417 A• 25.98727 25.69624 24.31494 24.96776 25.72931 26.52366 27.46377	LA 5 -7. 8/A 0.898 0.913 0.980 0.947 0.908 0.873 0.831	T L B70 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7	ON .511 INCD 68.0 66.0 64.0 65.7 67.4 67.9	2240 PHAZ E 41.4 2 47.6 2 53.2 1 47.8 1 42.4 2 42.5 3	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 9.6 24.6 4.6 23.3	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7
TRAJECTURY DATA PHOTO DATA PT LAT LO! 1 -10.812 -20 2 -11.655 -22 3 -10.012 -24 4 -9.925 -22 5 -9.833 -20 6 -11.615 -20 7 -13.534 -20 8 -13.511 -22	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259 45 546.77402 78 560.74494 583.13274 54 561.39749	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0	AZN 6.2 6.5 4.1 5.8 7.3 8.3 9.6	SEC TO 222.  AZSUN -83.0 -81.0 -81.1 -81.1 -82.6 -84.5	1MPACT 654 AZA 49.3 45.7 45.7 42.2 38.9 42.3 45.6 48.9	ALT 504.6417 A* 25.98727 25.69624 24.31494 24.96176 25.72931 26.52366 27.46377 26.55223	LA 5 -7. 8/A 0.898 0.913 0.980 0.947 0.908 0.873 0.831 0.872	T L 870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.2	ON -511 INCD 68.0 64.0 65.7 67.4 67.9 68.4	2240 PHAZ E 41.4 2 53.2 1 47.8 1 42.4 2 42.5 3 47.9 2	R V .097 2-359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 9.6 24.6 4.6 23.3 9.8 15.9	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LOW 1 - 10.812 - 20. 2 - 11.655 - 22. 3 - 10.012 - 24. 4 - 9-925 - 22. 5 - 9-833 - 20. 6 - 11.615 - 20. 7 - 13.534 - 20. 8 - 13.531 - 22. 9 - 13.502 - 23.	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259 45 546.77402 778 560.737402 59 583.13927 34 561.39749	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9	AZN 6.2 6.5 4.1 5.8 7.3 8.3 9.6 7.4	SEC TO 222.  AZSUN -83.0 -82.2 -81.0 -81.1 -82.6 -84.2 -83.0	IMPACT 654 AZA 49.3 45.7 45.7 42.2 38.9 42.3 45.6 48.9 52.4	ALT 504-6417 A* 25-98727 25-69624 24-31494 24-96776 25-72931 26-52366 27-46377 26-55223 25-78070	LA 5 -7. 8/A 0.898 0.913 0.980 0.947 0.908 0.873 0.873 0.872 0.905	T L B70 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -90.2 -95.7 -95.2 -95.2	ON -511 INCD 68.0 66.0 65.7 67.4 67.4 68.4 66.5	2240 PHAZ E 41.4 2 47.6 2 47.8 1 47.8 1 42.4 2 42.2 2 42.5 3 47.9 3	R V097 2-359 MIS ALPHA 8.8 26-0 4-0 17-3 3.9 10-4 9.5 17-6 5.9 24-8 9.6 24-6 4.6 23-3 9.8 15-9 6-2 8.7	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9
TRAJECTORY DATA PHOTO DATA PY LAT LOT 1 -10.812 -20. 2 -11.655 -22. 3 -10.012 -24. 4 -9.925 -22. 6 -11.615 -20. 7 -13.534 -20. 8 -13.511 -22. 9 -13.502 -23. 10 -11.697 -24.	RANGE 97 557-48917 62 540-69662 47 516-28013 54 527-89259 778 560-74492 134 561-39749 134 561-39749 138 528-33325	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -22.4	AZN 6.2 6.5 4.1 5.8 7.3 9.6 7.4	SEC TO 222.  AZSUN -83.0 -82.2 -81.0 -81.1 -82.6 -84.2 -83.5 -83.0 -81.9	1MPACT 654 AZA 49.3 45.7 45.7 45.2 38.9 42.3 45.6 48.9 42.4 49.1	ALT 504.6417 A. 25.98727 25.99624 24.31494 24.96776 25.72931 26.52366 27.46377 26.55223 25.78070 24.99076	8/A 0.898 0.913 0.980 0.908 0.873 0.831 0.872 0.906	T L 870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.2 -96.1	ON .511 INCD 68.0 66.0 65.7 67.4 66.5 64.7 64.3	2240 PHAZ E 41.4 2 47.6 2 53.2 1 47.8 1 42.4 2 42.2 2 42.5 3 47.9 2 53.2 2	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 9.6 24.6 23.3 9.8 15.9 6.2 8.7 9.6 10.0	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT 1 - 10.812 - 20 2 - 11.655 - 22 3 - 10.012 - 24 4 - 9.925 - 22 5 - 9.833 - 20 6 - 11.615 - 20 7 - 13.534 - 20 8 - 13.511 - 22 9 - 13.502 - 23 10 - 11.697 - 24 11 - 110.012 - 24	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259 45 546.77402 78 560.74409 159 583.13927 134 561.39749 168 547.86659 168 528.33325	AZS/C -32.8 -44.3 -58.6 -66.6 -54.0 -44.5 -34.9 -22.4 -30.0	AZN 6.2 6.5 4.1 5.8 7.3 8.3 9.6 7.4 5.2	SEC TO 222.  AZSUN -83.0 -82.2 -81.1 -81.1 -82.6 -84.5 -83.0 -81.9 -81.0	AZA 49.3 45.7 45.7 42.2 38.9 45.6 48.9 52.4 45.7	ALT 504-6417 A* 25-98727 25-99624 24-31494 25-72931 26-52366 27-46377 26-55223 25-78070 24-99076 24-31494	8/A 0.898 0.913 0.980 0.908 0.873 0.831 0.872 0.905 0.906 0.940	T L B70 -26 AZPHAZ -93.6 -90.2 -85.1 -84.7 -90.2 -95.7 -90.2 -95.7 -90.2 -94.8 -90.1	ON .511 INC D 68.0 66.0 65.7 67.4 67.9 68.4 66.5 64.7 64.7	2240 PHAZ E 41.4 2 47.6 2 53.2 1 42.4 2 42.2 2 42.2 5 347.9 2 53.2 1 53.2 1	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 9.6 24.6 4.6 23.3 9.8 15.9 6.2 8.7 9.8 15.9	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11
TRAJECTORY DATA  PHOTO DATA  PT LAT LOI 1 - 10.812 - 20. 2 - 11.655 - 22. 3 - 10.012 - 24. 4 - 9.925 - 22. 6 - 11.615 - 20. 7 - 13.534 - 20. 8 - 13.511 - 22. 9 - 13.502 - 23. 10 - 11.657 - 24. 11 - 10.012 - 24. 12 - 8.733 - 25.	RANGE 97 557.48917 557.69602 47 516.28013 54 527.89259 45 546.77402 78 560.74494 59 583.13927 34 561.3974 616 547.86659 618 528.33325 47 516.28013	AZS/C -32-8 -44-3 -44-1 -58-6 -54-0 -44-9 -22-4 -30-0 -44-1 -36-0	AZN 6.2 6.5 4.1 5.8 7.3 8.3 9.6 7.4 5.2 4.6 12.4	SEC TO 222.  AZSUN -83.0 -82.2 -81.0 -81.1 -82.6 -84.2 -83.5 -83.0 -81.9 -81.0 -80.0 -80.0 -80.0	IMPACT 654 AZA 49.3 45.7 45.7 42.9 42.3 45.6 952.4 49.1 45.7	ALT 504.6417 A* 25.98727 25.69624 24.96176 25.72931 26.52366 27.46377 26.55223 25.78070 24.99076 24.31494	8/A 0.993 0.980 0.947 0.908 0.873 0.873 0.873 0.872 0.905 0.905 0.905	T L B70 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.7 -95.7 -95.7 -95.2 -94.8 -90.1 -85.5	ON .511 INC D 68.0 66.0 64.0 67.4 67.4 66.5 64.7 64.3 64.3	2240 PHAZ E 41.4 2 47.6 2 47.6 2 47.8 1 42.4 2 42.5 3 47.9 2 53.0 1 53.2 1 53.2 1	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 5.9 24.8 9.5 17.6 6.6 23.3 9.8 15.9 9.6 10.0 3.9 10.4	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT 1 - 10.812 - 20 2 - 11.655 - 22 3 - 10.012 - 24 4 - 9.925 - 22 5 - 9.833 - 20 6 - 11.615 - 20 7 - 13.534 - 20 8 - 13.511 - 22 9 - 13.502 - 23 10 - 11.697 - 24 11 - 110.012 - 24 12 - 8.733 - 25 13 - 8.621 - 24	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259 45 546.77402 78 560.74409 104 561.39749 108 528.33325 108 506.07936 108 506.07936 108 506.07936	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -30.0 -44.1 -36.0	AZN 6.2 6.5 4.1 5.8 7.3 8.3 9.6 7.4 5.2	SEC TO 222.  AZSUN -83.0 -82.2 -81.1 -81.1 -82.6 -84.5 -83.0 -81.9 -81.0	AZA 49.3 45.7 45.7 42.2 38.9 45.6 48.9 52.4 45.7	ALT 504.6417 A* 25.98727 25.69624 24.96776 25.72931 26.52366 27.46377 26.55223 25.78070 24.99076 24.31494 22.59457 23.71687	LA 5 -7. 8/A 0.898 0.913 0.980 0.947 0.873 0.831 0.872 0.946 0.980 0.971 0.998	T L 870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.2 -94.8 -90.1 -85.5 -82.2	ON .511 INC D 68.0 66.0 65.0 67.4 67.9 68.4 66.3 64.0 62.3 63.8	2240 PHAZ E 41.4 2 47.6 2 53.2 1 47.8 1 42.4 2 2 42.2 2 42.2 3 53.2 1 53.2 1 53.2 1 53.2 1 53.2 1 47.9 2 47	R V .097 2-359 MIS ALPHA 8-8 26-0 4-0 17-3 3-9 10-4 9-5 17-6 9-6 24-6 9-6 24-6 4-6 23-3 9-8 15-9 6-2 8-7 9-6 10-0 3-9 10-4 10-1 1	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 66.89244 12-13 49.47581 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 -10.812 -20 2 -11.655 -22 3 -10.012 -24 4 -9.925 -22 5 -9.833 -20 6 -11.615 -20 7 -13.534 -20 8 -13.511 -22 9 -13.502 -23 10 -11.697 -24 11 -10.012 -24 12 -8.733 -25 13 -8.621 -24 14 -8.500 -22 15 -8.307 -20	RANGE 97 557-48917 62 540-69662 47 516-28013 54 527-89259 45 546-77402 134 561-397-9 168 547-86659 168 528-33325 47 516-28013 08 506-07936 65 11-15278 199 522-37711	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -30.0 -44.5 -30.0 -44.1 -36.0 -67.0 -75.9	AZN 6.2 6.5 4.1 5.8 8.3 9.6 7.4 5.2 4.1 2.4 3.8 5.6	AZSUN -03.0 -02.2 -01.0 -01.1	IMPACT 654 AZA 49.3 45.7 42.2 38.9 45.6 48.9 45.6 49.1 45.7 46.0 43.9 39.1 35.8	ALT 504.6417 A* 25.98727 25.69624 24.31494 26.52366 27.46377 26.55223 25.78070 24.99076 24.31494 22.59457 23.7165 24.41755 25.13267	LA 5 -7. B/A 0.898 0.913 0.947 0.908 0.873 0.872 0.905 0.971 0.971 0.971	T L. B70 -26  AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -95.2 -95.2 -94.8 -90.1 -85.5 -82.2 -81.6 -80.8 -80.8	ON .511 INC D 68.0 66.0 65.0 67.4 67.9 68.4 66.3 64.0 62.3 65.1	2240 PHAZ E 41-6 2 2 53-2 1 47-8 1 42-4 2 2 42-5 3 47-9 2 53-2 1 53-7 1 9 53-7 1 43-1 2 43-1 2	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 4.6 23.3 9.8 15.9 9.8 15.9 9.8 15.9 9.8 10.4 4.9 3.3 3.9 10.4 4.9 3.3 10.4 4.9 10.1 7.1 17.0	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 49.47581 33-14 52.78643 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LOW 1 - 10.812 - 20. 2 - 11.655 - 22. 3 - 10.012 - 24. 4 - 9-925 - 22. 5 - 9-833 - 20. 6 - 11.615 - 20. 7 - 13.534 - 20. 8 - 13.511 - 22. 9 - 13.502 - 23. 10 - 11.697 - 24. 11 - 10.012 - 24. 12 - 8.733 - 25. 13 - 8.621 - 24. 14 - 8.500 - 22. 15 - 8.367 - 20. 16 - 8.219 - 218.	RANGE 97 557.48917 62 540,69662 47 516.28013 54 527.89259 45 560.77402 78 560.7343 561.39749 108 528.33325 108 506.07936 108 506.07936 40 511.15278 199 522.37711 143 540.56733	AZS/C -32.8 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -22.4 -36.0 -67.0 -75.9 -79.9	AZN 6.25 6.51 5.8 7.3 8.3 67.4 5.2 4.6 1 2.4 8 5.2 6.6 7.9	AZSUN -83.0 -81.1 -82.6 -84.5 -83.0 -81.0 -81.0 -81.0 -80.3 -80.3 -80.2 -80.7 -79.7	IMPACT 654 AZA 49.3 45.7 42.2 38.9 42.6 48.9 45.6 48.9 45.6 48.9 45.7 46.0 39.1 35.8	ALT 504.6417 25.98727 25.98727 24.31494 24.31494 25.72931 26.52366 27.46377 26.55223 27.46377 24.31494 22.59457 23.71685 24.41755 25.13267 25.13267	LA 5 -7. 8/A 0.898 0.913 0.947 0.905 0.871 0.905 0.971 0.998 0.971 0.998 0.971 0.998	T L 870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.7 -95.2 -94.8 -90.1 -85.5 -82.2 -81.6 -80.0	ON .511 INC D 66.0 0 64.0 0 65.7 67.4 66.5 64.7 66.5 64.7 65.4 65.4 65.4 67.1 69.0	2240 PHAZ E 41.4 2 47.6 2 42.5 3.2 1 47.8 1 42.4 2 2 42.5 3.2 1 53.0 2 1 53.0 2 1 53.0 1 44.4 1 2 53.0 2 1 3 43.1 2 3 43.1 2 3 43.1 2 3 43.1 2 3 43.1 2	R V 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 9.6 24.8 9.6 24.8 9.6 10.0 9.7 9.6 10.0 4.0 17 17.1 17.0 4.0 24.0	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 46.89244 12-13 49.47581 13-14 52.786437 15-16
TRAJECTURY DATA  PHOTO DATA  PT LAT LOT  1 -10.812 -20 2 -11.655 -22 3 -10.012 -24 4 -9.925 -22 5 -9.833 -20 6 -11.615 -20 7 -13.534 -20 8 -13.511 -22 9 -13.502 -23 10 -11.697 -24 11 -10.012 -24 11 -10.012 -24 12 -8.733 -25 13 -8.621 -24 14 -8.500 -22 15 -8.307 -20 16 -8.219 -18 17 -9.732 -18	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259 45 546.77402 68 547.86659 68 547.86659 68 547.86659 68 560.07936 68 560.07936 68 511.15278 69 522.37711 44 566.73238	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -22.4 -30.0 -67.0 -75.9 -79.9	AZN 6.25 4.1 5.8 7.3 9.6 7.4 5.2 4.1 2.4 3.2 6.6 7.9	SEC TO 222 - AZSUN -03 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	IMPACT 654 AZA 49.3 45.7 42.2 38.9 45.6 952.4 49.1 46.0 43.9 135.8 32.7	ALT 504.6417 A* 25.98727 25.69624 24.31494 26.52366 27.46377 26.55223 25.78070 24.99076 24.31494 22.59457 23.71685 24.41755 25.13267 25.97413 26.62930	LA 5 -7. 8/A 0.898 0.913 0.947 0.908 0.871 0.872 0.905 0.946 0.946 0.971 0.971 0.932 0.865 0.865	T L. B70 -26  AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.2 -94.8 -80.8 -80.8 -80.0 -79.0	ON .511 INC D 66.0 0 65.7 67.9 68.4 66.5 64.3 65.4 67.1 69.4 69.4 69.6 69.6	2240 PHAZ E 41.4 2 47.6 2 53.2 1 42.4 2 42.5 3 47.9 2 53.2 1 53.0 1 53.7 1 48.4 1 43.1 2 37.2 3	R V .097 2-359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 9.6 23.3 9.8 15.9 9.8 15.9 9.8 15.9 0.4 10.0 3.9 10.4 10.0 3.9 10.4 11.1 17.0 4.0 24.0 4.0 24.0 4.0 24.0 4.0 24.0 4.0 24.0 2.7 32.0	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90226 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 46.89244 12-13 49.47581 13-14 52.78643 14-15 57.08237 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 -10.812 -20. 2 -11.655 -22. 3 -10.012 -24. 4 -9.925 -22. 5 -9.833 -20. 6 -11.615 -20. 7 -13.534 -20. 8 -13.511 -22. 9 -13.502 -23. 10 -11.697 -24. 11 -10.012 -24. 12 -8.733 -25. 13 -8.367 -20. 16 -8.21 -24. 14 -8.500 -22. 15 -8.367 -20. 16 -8.219 -8. 17 -9.732 -18.	RANGE 97 557-48917 62 540-69662 47 516-28013 54 527-89259 45 546-77402 65 546-77402 65 547-86659 618 528-33325 618 528-33325 618 506-07933 608 506-07936 64 51-15278 69 522-37711 64 540-56733 65 544-651-673235 68 574-01936	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -22.4 -30.0 -44.1 -36.0 -67.0 -75.9 -79.9 -82.1 -71.4	AZN 6.2 6.1 5.8 7.3 9.6 7.4 5.2 4.1 2.4 3.8 6.6 7.9 8.2	SEC TO 222.  AZSUN -03.0 -81.1 -81.1 -82.6 -83.5 -83.0 -81.0 -80.3 -80.2 -80.0 -79.7 -81.1 -82.6	IMPACT 654 AZA 49.37 45.77 45.29 42.3 45.9 42.3 45.9 52.4 145.7 46.09 39.1 33.7 35.7 35.7	ALT 504.6417 25.98727 25.98727 24.31494 24.31494 25.72931 26.52366 27.46377 26.55223 25.78070 24.31494 22.59457 23.71685 24.41755 25.13267 25.72931 26.62930 27.50811	LA 5 -7. 8/A 0.898 0.913 0.987 0.908 0.971 0.908 0.909 0.971 0.932 0.885 0.885 0.885	T L. B70 - 26 AZPHAZ - 93.6 - 90.2 - 85.5 1 - 84.7 - 90.2 - 95.7 - 90.2 - 94.8 - 90.1 - 85.5 - 82.2 - 96.8 - 80.8 - 80.0 - 79.0 - 84.1 - 90.2	ON .511 INC D 66.0 66.0 65.7 67.4 66.5 64.0 62.3 63.8 65.8 67.1 69.0 69.9	2240 PHAZ E 41.4 2 47.6 2 53.2 1 47.8 1 42.4 2 53.2 2 42.5 3 47.9 2 53.2 1 53.2 1 53.3 1 53.7 1 48.4 1 43.1 2 37.9 3	R V 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 24.6 9.6 24.6 23.3 9.8 15.9 9.6 10.0 4.0 23.3 9.1 17.0 4.0 24.0 10.1 1.1 31.0 24.0 24.0 10.1 31.0 25.9 32.1	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 66.89244 12-13 49.47581 13-14 52.78643 14-15 57.08237 15-16 66.50552 16-17 56.90986 17-18
TRAJECTURY DATA  PHOTO DATA  PT LAT LO!  1 -10.812 -20 2 -11.655 -22 3 -10.012 -24 4 -9.925 -22 5 -9.833 -20 6 -11.615 -20 7 -13.534 -20 8 -13.511 -22 9 -13.502 -23 10 -11.697 -24 11 -10.012 -24 12 -8.500 -22 13 -8.621 -23 14 -8.500 -22 15 -8.367 -20 16 -8.219 -18 17 -9.732 -18 18 -11.579 -18 19 -13.575 -17.	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.8560.77402 65 546.77402 65 547.86659 66 547.86659 67 516.28013 68 506.07936 64 511.15278 69 522.37711 64 566.73235 64 566.73235 64 569.71519 65 589.71519	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -22.4 -30.0 -44.1 -36.0 -75.9 -77.9 -79.9 -82.1 -71.4 -60.6	AZN 2 6 6 5 4 6 1 5 8 3 9 6 6 7 - 2 4 6 1 4 2 8 5 6 6 6 9 9 10 - 8 1 1 1 8	SEC TO 222- AZSUN -83-0 -81-1 -81-1 -81-6 -84-2 -83-0 -81-9	IMPACT 654 AZA 45.3 45.7 42.9 42.3 45.6 9 42.3 45.6 9 42.3 45.6 9 52.4 449.1 7 46.0 9 39.1 35.7 39.1 35.7 39.1	ALT 504.6417 25.98727 25.69624 24.31494 24.96776 25.72931 26.52366 27.46377 26.55223 25.78070 24.99076 24.31494 22.59457 23.71685 24.41755 25.13267 25.97413 26.62930 27.50811 28.55835	5 -7.  8/A 0.898 0.9947 0.908 0.873 0.8872 0.905 0.946 0.971 0.971 0.972 0.8855 0.8865 0.8850 0.781	T L B70 -26 -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.2 -95.2 -94.8 -90.1 -85.5 -82.2 -81.6 -80.8 -80.0 -79.0 -84.1 -90.2	ON .511 INC DO 66.0 66.0 66.0 67.4 66.5 64.7 66.3 66.0 62.4 67.1 69.0 69.4 69.5 70.5	2240 PHAZ E 41.4 2 47.6 2 53.2 1 42.4 2 42.5 3 47.9 2 53.2 1 53.0 1 53.7 1 48.4 1 43.1 2 37.2 3	R V .097 2-359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.6 9.6 24.6 4.6 23.3 9.8 15.9 6.2 8.7 9.6 10.0 3.9 10.4 4.9 3.3 0.4 10.1 17.0 24.0 1.1 17.0 4.0 24.0 1.1 17.0 5.9 32.1 6.2 30.7	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.9026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 46.89244 12-13 49.47581 13-14 52.78643 14-15 57.08237 15-16 66.50552 16-17 56.90986 17-18 61.80687 18-19
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 -10.812 -20. 2 -11.655 -22. 3 -10.012 -24. 4 -9.925 -22. 5 -9.833 -20. 6 -11.615 -20. 7 -13.534 -20. 8 -13.511 -22. 9 -13.502 -23. 10 -11.697 -24. 11 -10.012 -24. 12 -8.733 -25. 13 -8.621 -24. 14 -8.500 -22. 15 -8.367 -20. 16 -8.219 -18. 17 -9.732 -18. 18 -11.579 -18. 19 -13.575 -17. 20 -15.776 -17.	RANGE 97 557.48917 62 540.69662 47 516.28013 54 527.89259 45 546.77402 65 546.73402 66 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 547.86659 68 548.56738 68 548.6673235 68 548.6673235 68 548.6673235 68 548.6673235 68 548.6673235	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -32.9 -34.9 -36.0 -75.9 -77.9 -82.1 -71.4 -60.6 -51.7	AZN 6.2 6.1 5.8 7.3 9.6 7.4 5.2 4.1 2.4 3.8 6.6 7.9 8.2	SEC TO 222.  AZSUN -03.0 -81.1 -81.1 -82.6 -83.5 -83.0 -81.0 -80.3 -80.2 -80.0 -79.7 -81.1 -82.6	IMPACT 654 AZA 49.37 45.77 45.29 42.3 45.9 42.3 45.9 52.4 145.7 46.09 39.1 33.7 35.7 35.7	ALT 504.6417 25.98727 25.69624 24.31494 24.96776 25.72931 26.52366 27.46377 26.55223 25.78070 24.31494 22.59457 23.71685 24.41755 25.97413 26.62930 27.50811 28.55835 29.83881 28.59551	5 -7.  8/A 0.898 0.980 0.997 0.908 0.873 0.9873 0.872 0.905 0.947 0.971 0.935 0.860 0.971 0.935 0.860 0.777	T L 870 -26 -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.2 -95.2 -94.8 -90.1 -85.5 -82.2 -81.6 -80.0 -79.0 -84.1 -90.2 -81.6 -90.2 -81.6 -80.0 -79.0 -80.2 -90.2 -9	ON .511 INC D 68.0 0 66.0 7 67.4 66.5 64.0 3 63.4 67.1 69.0 69.9 70.5 71.5	2240 PHAZ E 41-4 2 47-6 2 53-2 1 42-8 2 42-2 2 42-5 3 53-2 1 53-2 1 53-3 1 53-3 1 48-4 1 37-9 3 37-2 3	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 4.6 23.3 9.8 15.9 9.8 15.9 9.8 15.9 0.4 10.1 7.1 17.0 0.4 10.1 7.1 17.0 1.1 31.0 2.7 32.0 0.2 30.7	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 66.89244 12-13 49.47581 13-14 52.78643 14-15 57.08237 15-16 66.50552 16-17 56.90986 17-18 68.52951 19-20 67.57190 20-21
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 -10.812 -20 2 -11.655 -22 3 -10.012 -24 4 -9.925 -22 5 -9.833 -20 6 -11.615 -20 7 -13.534 -20 8 -13.511 -22 9 -13.502 -23 10 -11.697 -24 11 -10.012 -24 12 -8.733 -25 13 -8.621 -24 14 -8.500 -22 15 -8.367 -20 16 -6.219 -18 17 -9.732 -18 18 -11.579 -18 19 -13.575 -17 20 -15.776 -17 21 -15.638 -19 22 -15.363 -19	RANGE 97 557-48917 62 540-69662 47 516-28013 54 527-88259 45 546-77402 78 560-77402 108 528-333225 108 506-07936 108 506-07936 108 506-07936 108 506-07936 108 567-3686 108 568-73235 108 568-7325 108 568-73235 108 568-7325 108 568-7325 108 568-7325 108 568-7325 108 568	AZS/C -32.8 -44.3 -44.1 -58.6 -60.6 -54.0 -44.5 -30.0 -44.5 -36.0 -75.9 -79.9 -82.1 -71.4 -60.6 -51.7 -41.5	AZN 6.5 6.5 6.5 7.3 8.3 7.4 5.2 6.9 10.2 8.3 11.1 8.5	SEC TO 222UN -83.0 0 -82.2 -81.1 -81.1 -82.6 -84.2 -83.5 -83.0 -81.9 -81.0 -80.3 -80.2 -80.2 -80.2 -80.2 -80.2 -80.0 -79.7 -81.1 -82.9 -84.9 -85.0 0 -	1MPACT 654 A9.3 45.7 45.7 45.6 952.4 45.6 952.4 45.7 46.9 335.7 335.7 345.8 32.7 345.8 32.7 345.8	ALT 504.6417: A* 25.98727 25.69624 24.31494 26.52366 27.46377 26.55223 25.78070 24.99076 24.31494 22.59457 23.7165 24.41755 25.13267 25.97413 26.62930 27.50811 28.55835 29.88881 28.59551 27.57336	5 -7.  8/A 0.913 0.980 0.940 0.970 0.905 0.946 0.971 0.932 0.8850 0.971 0.932 0.8650 0.727 0.772	T L 870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -95.7 -95.7 -95.7 -94.8 -90.1 -85.5 -82.2 -81.6 -80.8 -80.0 -79.0 -84.1 -90.2 -90.2 -90.2 -101.0	ON .511 INCD 68.0 0 66.0 0 65.7 67.4 66.5 7 64.3 66.5 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1	2240 PHAZ E 41.4 2 1 47.8 1 47.8 1 47.8 2 42.2 3 42.2 3 42.3 3 53.0 2 53.0 2 53.0 2 53.0 3 53.1 3 33.2 4 31.3 3 33.2 4 33.3 3 34.3 3 34.3 3 34.3 3 34.3 3 34.3 3	R V .097 2-359 MIS ALPHA 8.8 26-0 4.0 17-3 3.9 10-4 9-5 17-6 5-9 24-8 9-6 24-6 4-6 23-3 9-6 10-0 3-9 10-4 4-9 3-3 3-1 17-1 17-0 17-0	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 46.89244 12-13 49.47581 13-14 52.78643 14-15 57.08237 15-16 66.50552 16-17 56.90986 17-18 61.80687 18-19 68.52951 19-20 67.571990 20-21 61.11996 21-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 -10.812 - 20. 2 -11.655 - 22. 3 -10.012 - 24. 4 -9-925 - 22. 5 -9.833 - 20. 6 -11.615 - 20. 7 -13.534 - 20. 8 -13.511 - 22. 9 -13.502 - 23. 10 -11.697 - 24. 11 -10.012 - 24. 12 -8.733 - 25. 13 -8.621 - 24. 14 -8.500 - 22. 15 -8.367 - 20. 16 -8.219 - 18. 17 -9.732 - 18. 18 -11.579 - 18. 19 -13.575 - 17. 20 -13.775 - 17. 21 -15.638 - 19. 22 -15.536 - 21. 23 -15.5464 - 21.	RANGE 97 557.48917 62 540,69602 47 516.28013 55 527.89259 45 5560.77402 559 583.13927 68 547.86659 68 547.86659 68 557.86659 68 557.86659 68 557.86659 68 557.86659 69 522.37711 43 540.56733 68 574.01936 68 557.6660 69 557.31306 60 591.31306	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -22.4 -30.0 -67.0 -75.9 -79.9 -82.1 -71.4 -60.6 -51.7 -44.1 -71.4 -60.6 -51.7	AZN 200 6.51 4.8 7.3 89.6 4.14 82 5.2 4.6 4.14 8.1 1.8 5.2 11.8 11.15 5.9	AZSUN 0-82.2 -81.0 -81.1 -81.1 -81.1 -81.0 -81.1 -81.1 -81.0 -81.1 -81.0	1MPACT 654 A2 A 49.3 45.7 45.7 45.2 38.9 45.6 49.1 45.6 45.7 45.0 43.1 35.7 45.8 52.1 45.8 52.5	ALT 504.6417 25.98727 25.98727 24.91494 24.96176 25.72931 26.52366 27.46377 26.55223 25.78070 24.31494 22.59457 23.71685 24.41755 25.13267 23.71685 25.75831 26.62930 27.50811 28.55835 29.83881 28.55951 27.57336 26.711676	5 -7.  8/A 0.893 0.994 0.873 0.905 0.873 0.946 0.9871 0.872 0.971 0.932 0.885 0.727 0.777 0.8826	T L B870 - 26 AZPHAZ - 93.6 - 90.2 - 85.5 - 85.1 - 90.2 - 95.7 - 90.2 - 94.6 - 90.1 - 85.5 - 82.2 - 81.6 - 80.8 - 80.0 - 79.0 - 84.1 - 90.2 - 101.0 - 102.2 - 101.0 - 1 - 90.2 - 101.0 - 1 - 99.3	ON .511 INCD 68.0 68.0 64.0 65.7 67.4 66.5 66.5 66.5 67.1 69.0 69.4 69.5 69.6	2240 PHA2 E 2 47.6 2 1 47.8 1 47.8 2 42.4 2 2 42.5 3 2 47.9 2 53.0 1 53.0 1 53.7 1 37.9 3 37.2 3 37.2 3 37.3 3 37.	R V	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 66.89244 12-13 49.47581 13-14 52.78643 14-15 57.08237 15-16 66.50552 16-17 56.90986 17-18 61.80687 18-19 68.52951 19-20 67.571990 20-21 61.11996 21-22 66.40755 22-23
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 -10.812 -20.2 2 -11.655 -22.3 3 -10.012 -24.4 4 -9.925 -22.5 5 -9.833 -20.4 6 -11.615 -20.7 7 -13.534 -20.4 8 -13.511 -22.4 9 -13.502 -23.1 10 -11.697 -24.4 11 -10.012 -24.6 12 -8.733 -25.1 13 -8.621 -24.6 14 -8.500 -22.1 15 -8.307 -20.1 16 -8.219 -18.1 17 -9.732 -18.1 17 -9.732 -18.1 18 -11.579 -18.1 19 -13.575 -17.2 20 -15.776 -17.2 21 -15.638 -19.2 22 -15.536 -21.2 23 -15.464 -23.2 24 -15.54 -21.3	RANGE 97 557-48917 62 540-69662 47 516-28013 54 527-89259 45 546-77402 78 560-774494 79 583-13927 144 566-7323 145 561-28013 146 511-15278 147 516-28013 148 566-7323 149 566-7323 159 567-	AZS/C -32.8 -44.3 -44.1 -58.6 -60.6 -54.0 -44.5 -30.0 -44.5 -36.0 -75.9 -75.9 -82.1 -71.4 -60.6 -31.7 -41.7 -51.7	AZN 66.2 66.5 5.8 7.3 8.6 7.4 4.1 2.6 6.5 2.6 4.1 13.8 113.8 113.8 118.5 5.3 2	SEC TO 2 2 SUN -83.0 -82.2 -81.0 -81.1 -8	1MPACT 654 A9.3 45.7 42.2 38.3 45.6 952.4 45.6 952.4 45.7 46.9 335.8 32.7 39.1 45.7 39.1 45.7 45.9	ALT 504.6417 A* 25.98727 25.98727 24.31494 24.96776 25.72931 26.52366 27.46377 26.55223 25.78070 24.31494 22.59457 23.71685 24.41755 25.13267 25.97413 26.62930 27.50811 26.52366 27.50811 26.52366 27.50811	5 -7.  8/A 0.898 0.9913 0.987 0.908 0.873 0.873 0.976 0.976 0.976 0.971 0.971 0.986 0.872 0.885 0.727 0.872 0.885	T L 870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.7 -95.7 -95.7 -96.2 -96.2 -102.2 -101.01 -99.3 -98.6	ON .511 INCD 68.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0	2240 PHAZ E 41.4 E 47.4 2 47.6 2 47.8 1 47.8 2 42.2 3 47.9 2 53.0 2 1 53.0 2 1 53.0 1 53.9 1 36.8 3 36.8 3 36.8 3 36.8 3 36.8 3 36.8 3 36.8 3 36.8 3 36.8 3	R V .097 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 5.9 24.8 9.6 24.6 4.6 23.3 9.6 10.0 3.9 10.4 10.1 17.0 17.1 17.0 24.0 1.1 31.0 27.3 20.0 1.1 31.0 2.7 32.0 2.7 32.0 2.7 32.0 2.7 32.0 2.7 32.0 2.7 32.0 2.7 32.0 2.7 32.0 3.9 10.4 2.6 10.1 3.1 31.0 3.1 6.3 3.1 6.3	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56710 5-6 58.90226 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 46.89244 12-13 49.47581 31-14 52.78643 14-15 57.08237 15-16 46.50552 16-17 56.90986 17-18 61.80687 18-19 68.52951 19-20 67.57190 20-21 61.11996 21-22 56.40755 22-23 52.88874 23-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 - 10.812 - 20. 2 - 11.655 - 22. 3 - 10.012 - 24. 4 - 9.925 - 22. 5 - 9.833 - 20. 6 - 11.615 - 20. 7 - 13.534 - 20. 8 - 13.511 - 22. 9 - 13.502 - 23. 10 - 11.697 - 24. 11 - 10.012 - 24. 12 - 8.733 - 25. 13 - 8.621 - 24. 14 - 8.500 - 22. 15 - 8.367 - 20. 16 - 8.219 - 18. 17 - 9.732 - 18. 18 - 11.579 - 18. 19 - 13.575 - 17. 20 - 15.776 - 17. 21 - 15.638 - 19. 22 - 15.546 - 21. 23 - 15.464 - 23. 24 - 15.413 - 25. 25 - 13.503 - 25.	RANGE 97 557-48917 62 540-69662 47 516-28013 54 527-89259 45 546-77402 65 546-77402 65 546-73402 65 547-86659 618 528-33325 618 528-33325 618 540-67933 628 589-7516 63 547-676-678 63 547-678 64 566-73235 64 566-73235 658-73235 658-73235 668 591-31308 679-7516-7516 679-7516-7516 689 591-31308 699 591-31308 699 591-31308 699 591-31308 699 591-31308 699 591-31308 699 591-31308 699 591-31308 699 591-31308 699 591-31308 699 591-31308	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -34.9 -22.4 -30.0 -67.0 -75.9 -79.9 -82.1 -71.4 -60.6 -51.7 -51.7 -71.4 -51.7	AZN 6.2 6.5 6.5 7.3 8 9.6 6.7 5.2 4.6 1 2.4 8 5.2 6.6 6 7 8.9 9 10.2 8 11.8 8 11.1 5 5.9 2 2.9	AZSUN 0 -82.2 -82.0 -81.1 -82.6 -83.5 -83.5 -83.6 -81.0 -79.7 -81.1 -82.6 -84.9 -85.0 -85.	1MPACT 654 47.3 45.7 42.2 9.2.2 9.2.3 45.9 9.2.4 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45	ALT 504.6417 25.98727 25.98727 24.31494 24.96176 25.72931 26.52366 27.46377 26.55223 27.78070 24.99076 24.31494 22.59457 23.71685 24.41755 25.13267 27.50811 28.55835 29.83881 29.83881 29.83881 20.57667 20.71676 20.71676 20.71676	5 -7.  8/A 0.898 0.913 0.947 0.908 0.947 0.908 0.873 0.8831 0.872 0.995 0.971 0.936 0.971 0.936 0.971 0.936 0.971 0.936 0.971 0.936 0.971	T L6870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.2 -94.6 -90.1 -85.5 -82.2 -81.6 -80.0 -79.0 -84.1 -90.2 -102.2 -102.2 -102.2 -102.2 -102.2 -102.2 -102.2 -96.2 -102.2 -99.8 -99.6	ON .511 INCD 68.0 66.0 66.0 66.0 66.5 66.5 66.5 66.5 66	2240 PHAZ E 2 47.6 2 1 47.8 1 47.8 1 47.8 2 42.2 2 53.0 1 53.2 1 53.9 1 53.9 1 37.9 3 37.2 3 37.2 3 43.3 4 33.3 6 37.2 4 34.3 3 43.3 6 37.2 3	R V 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 9.6 24.6 9.6 24.6 9.6 24.6 9.6 10.0 3.9 10.4 10.1 7.1 17.0 4.0 24.0 1.1 31.0 2.7 32.0 1.1 31.0 2.7 32.0 6.2 13.3 6.3 16.4 1.1 6.3	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99225 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90026 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 66.89244 12-13 49.47581 13-14 52.78643 14-15 57.08237 15-16 66.50552 16-17 56.90986 17-18 61.80687 18-19 68.52951 19-20 67.577190 20-21 61.11936 17-24 25.48874 23-24 57.91677 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 -10.812 -20.2 2 -11.655 -22.3 3 -10.012 -24.4 4 -9.925 -22.5 5 -9.833 -20.4 6 -11.615 -20.7 7 -13.534 -20.4 8 -13.511 -22.4 9 -13.502 -23.1 1 -10.012 -24.4 11 -10.012 -24.4 12 -8.733 -25.1 13 -8.621 -24.4 14 -8.500 -22.1 15 -8.307 -20.1 16 -8.219 -18.1 17 -9.732 -18.1 18 -11.579 -18.1 19 -13.575 -17.2 10 -15.658 -19.2 22 -15.536 -21.2 23 -15.464 -23.2 24 -15.413 -25.2 25 -13.503 -25.2 26 -11.503 -25.2 26 -11.503 -25.2	RANGE 97 557-48917 62 540-69662 47 516-28013 55 527-89259 45 546-77402 59 583.13927 18 560-73494 18 528.33325 47 516-28013 08 506-07936 18 528.33325 44 516-28013 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 560-07936 18 576-07936	AZS/C -32.8 -44.3 -44.1 -58.6 -66.6 -54.0 -44.5 -36.0 -47.9 -75.9 -75.9 -79.9 -82.1 -71.4 -60.6 -51.7 -44.5 -77.2 -74.5 -77.7 -74.5	AZN 6.2 6.5 1 5.8 8.3 8.3 9.6 4 5.2 6.6 9.9 11.8 8.5 5.2 2.7 7.3 3.2 2.7	SEC TO	1MPACT 654 A42.3 45.7 42.2 38.3 45.6 952.4 45.6 952.4 45.7 43.9 335.7 392.4 45.6 939.1 832.7 392.1 45.6 939.1 832.7 392.1 45.6	ALT 504.6417 A* 25.98727 25.69624 24.31494 24.787 26.5223 26.78070 24.99076 24.31494 22.59457 23.71685 24.41755 25.718267 25.718267 25.718267 25.718267 26.55835 27.50811 26.62930 27.50811 26.62930 27.50814 26.571874 26.571874 26.571874 27.571874 28.57184 28.57184 28.57184 28.571874 28.571874 28.571874 28.571874 28.5	5 -7.  8/A 0.8948 0.913 0.980 0.971 0.9873 0.873 0.9873 0.9976 0.9976 0.9716 0.972 0.8650 0.7811 0.7779 0.8250 0.7812 0.8650 0.7812 0.7820	T L B70 -26 AZPHAZ -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.7 -95.7 -95.7 -95.7 -90.2 -96.2 -96.2 -96.2 -102.0 -100.1 -90.2 -96.2 -101.0 -100.1 -99.3 -98.4 -40.1	ON .511 INCD 68-0 66-0 66-0 66-0 66-0 66-0 66-0 66-0	2240 PHAZ E 41.4 E 47.4 2 1 47.8 1 42.4 2 2 42.5 3 2 47.9 2 1 53.0 1 1 53.0 1 1 53.0 1 1 53.0 1 1 48.4 1 2 53.0 1 37.2 4 40.4 8.4 8 3 3 7 5 8 8 3 3 7 5 8 8 4 1 2 5 3 8 8 3 3 7 5 8 8 8 3 7 5 8 8 8 3 7 5 8 8 8 8 3 7 5 8 8 8 8 8 8 7 5 8 8 8 8 8 8 8 8 8 8	R V	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56710 5-6 58.90226 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 46.89244 12-13 49.47581 31-14 52.78643 14-15 57.08237 15-16 46.50552 16-17 56.90986 17-18 61.80687 18-19 68.52951 19-20 67.57190 20-21 61.11996 21-22 56.40755 22-23 52.88874 23-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LOT  1 - 10.812 - 20. 2 - 11.655 - 22. 3 - 10.012 - 24. 4 - 9.925 - 22. 5 - 9.833 - 20. 6 - 11.615 - 20. 7 - 13.534 - 20. 8 - 13.511 - 22. 9 - 13.502 - 23. 10 - 11.697 - 24. 11 - 10.012 - 24. 12 - 8.733 - 25. 13 - 8.621 - 24. 14 - 8.500 - 22. 15 - 8.367 - 20. 16 - 8.219 - 18. 17 - 9.732 - 18. 18 - 11.579 - 18. 19 - 13.575 - 17. 20 - 15.776 - 17. 21 - 15.638 - 19. 22 - 15.546 - 21. 23 - 15.464 - 23. 24 - 15.413 - 25. 25 - 13.503 - 25.	RANGE 97 557.48917 62 540,69602 47 516.28013 54 527.89259 45 546.77402 78 560.74409 159 583.13927 168 547.86559 118 528.33325 118 528.33225 118 528.33325 11	AZS/C -32.8 -44.3 -44.1 -58.6 -60.6 -54.0 -44.5 -34.9 -22.4 -30.0 -44.5 -36.0 -67.0 -75.9 -82.1 -71.4 -60.6 -51.7 -44.5 -31.7 -44.5 -31.7 -71.4 -60.6 -51.7 -71.4 -60.6 -51.7 -71.4 -60.6 -51.7 -71.4 -60.6 -51.7 -71.4 -60.6 -51.7 -71.4 -60.6 -51.7 -71.4 -60.6 -51.7 -71.4 -60.6 -51.7 -71.4	AZN 6.2 6.5 6.5 7.3 8 9.6 6.7 5.2 4.6 1 2.4 8 5.2 6.6 6 7 8.9 9 10.2 8 11.8 8 11.1 5 5.9 2 2.9	AZSUN 0 -82.2 -82.0 -81.1 -82.6 -83.5 -83.5 -83.6 -81.0 -79.7 -81.1 -82.6 -84.9 -85.0 -85.	1MPACT 654 47.3 45.7 42.2 9.2.2 9.2.3 45.9 9.2.4 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45	ALT 504.6417 25.98727 25.98727 24.31494 24.96176 25.72931 26.52366 27.46377 26.55223 27.78070 24.99076 24.31494 22.59457 23.71685 24.41755 25.13267 27.50811 28.55835 29.83881 29.83881 29.83881 20.57667 20.71676 20.71676 20.71676	LA 5 -7. 8/A 0.990 0.993 0.990 0.947 0.908 0.910 0.920 0.910 0.920 0.910 0.920 0.910 0.920	T L6870 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.2 -94.8 -80.0 -79.0 -84.1 -90.2 -96.2 -101.0 -99.3 -98.6 -90.1 -99.3 -98.6 -90.1 -99.3 -98.6 -90.1 -99.3 -98.6 -90.1 -90.1 -85.9	ON .511 INC D 68.0 0 64.0 7 66.5 7 66.5 64.7 66.5 64.7 1 66.5 64.7 1 67.1 67.1 67.1 67.1 67.1 67.1 67.1	2240 PHAZ E 2 47.6 2 1 47.8 1 47.8 1 47.8 2 42.2 2 53.0 1 53.2 1 53.9 1 53.9 1 37.9 3 37.2 3 37.2 3 43.3 4 33.3 6 37.2 4 34.3 3 43.3 6 37.2 3	R V 2.359 MIS ALPHA 8.8 26.0 4.0 17.3 3.9 10.4 9.5 17.6 6.9 24.8 9.6 24.8 9.6 24.8 9.6 10.0 3.3 10.4 4.0 23.3 9.8 15.9 9.6 10.0 2.7 32.0 0.1 10.1 2.7 32.0 0.2 30.7 5.5 27.1 0.2 30.7 5.5 27.1 0.2 30.7 7.2 30.0 0.4 31.1 6.3 11.4 7.2 3.0 0.3 3.5	PTH AZ -68.076 115.771  SCALE PT-PT 0. 0-1 66.42216 1-2 74.99255 2-3 50.58139 3-4 54.06782 4-5 54.56910 5-6 58.90226 6-7 58.17249 7-8 54.02091 8-9 54.85049 9-10 51.19376 10-11 62.96705 11-12 46.89244 12-13 49.47581 13-14 52.78643 14-15 57.08237 15-16 56.50552 16-17 56.90986 17-18 61.80687 18-19 68.52951 19-20 67.57190 20-21 61.11996 21-22 56.40755 22-24 57.91677 24-25 53.42097 25-26

IIV-AR	CAMERA	FA
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JULY 31,1964	.3 HR 2	2 MIN 11	SEC 265	MS		TAB NO	157	ATL	AS PHOTO	NO NO	157	POD S	SEQUENCE NO 320
TRAJECTORY DAT	A				SEC TO 217.		ALT 493-4285	LA 3 -7.		ON • 405	R 2228.884	V 2.364	PTH AZ -68.004 115.755
PHOTO DATA													
PT LAT LO		RANGE	AZS/C	AZN	AZSUN	AZA	A.				PHAZ EMIS		SCALE PT-PT
1 -10.806 -20. 2 -11.636 -22.			-32.9	6.2	-83.0 -82.3	49.1 45.6	25.42051 25.13693		-93.6 -90.2		41.4 28.8 47.6 24.1		0. 0-1 64.70781 1-2
3 -10.029 -24		04.98481	-44.3	4.2	-81.0	45.6	23.78297		-90.2 -85.5		53.2 13.9	10.5	64.70781 1- 2 73.37516 2- 3
4 -9.944 -22		16.39639	-58.6	5.8	-81.1	42.2	24.42400				47.8 19.5	17.6	49,4893234
5 -9.854 -20		34.88813	-66.5	7.3	-81.1	39.0	25.16997	0.908	-84.7	67.4	42.4 25.9	24.8	52.89871 4- 5
6 -11.598 -20		48.55904	-54.0	8.3	-82.6	42.3	25.94727				42.2 29.6	24.6	53.38382 5- 6
7 -13.475 -20.		70.42124	-44.5	9.6	-84.2		26.86479		-95.7		42.5 34.5	23.2	57.60097 6- 7
8 -13.452 -21		49.14167	-35.0	7.4	-83.6	48.8	25.97255				47.9 29.8	15.9	56.90759 7-8
9 -13.443 -23.		35.85317	-22.6	5.2	-83.0	52 <b>.2</b>	25.21536		-94.8		53.2 26.2	8.8	52.85236 8- 9
			-30.2	4.6	-82.0		24.44429				53.0 19.7	10.1	53.63769 9-10
11 -10.029 -24. 12 -8.778 -25.		94.98481	-44.3	4.2	-81.0 -80.3		23.78297				53.2 13.9	10.5	50-07525 10-11
			-36.7 -66.9	2.4 3.8	-80.2		22.09926				58.9 5.0 53.7 10.5	3.4	61.59985 11-12 45.86850 12-13
14 -8.551 -22			-75.8	5.2	-80.1		23.88424				48.4 17.1	17.0	48.40435 13-14
15 -8.420 -20		28.78370		6.6		35.9	24.58470				43.1 24.0	24.0	51.64178 14-15
16 -8.275 -18			-82.0	7.9	-79.7		25.40690				38.0 31.0	31.0	55.82783 15-16
			-71.4	8.9	-81.1	35.8	26.04937				37.2 32.7	32.0	45.49641 16-17
18 -11.562 -18				10.2		39.1	26.90893				36.8 35.8	32.0	55.66921 17-18
				11.7	-84.9		27.93329		-96.2	70.4	37.2 40.1	30.7	60.43164 18-19
20 -15.665 -17.				13.7	-87.2		29.17836	0.728	-102.2	71.2	38.2 45.3	27.9	66.94017 19-20
21 -15.530 -19.			-37.4 28.5	11.1	-86.0 -85 1	48.7 51.9					43.3 40.3		66.03784 20-21
			-17.9	9.5 5.9	-84.2	55.3	26.12671				48.6 36.1		59.77378 21-22 55.17756 22-23
24 -15.310 -25		55.78093	-5.9	3.3	-83.4	58.7	25.41142			63.5	59.0 31.4	-0.5	51.72957 23-24
25 -13.444 -25		29.49383	-7.5	3.0	-82.5	55.7	24.56542		-94.4	63.1	58.5 24.2	1.8	56.59392 24-25
26 -11.721 -25			-10.5	2.7	-81.6	52.5	23.84620		-90.1		58.4 17.2	3.1	52.23131 25-26
27 -10.109 -25	632 4	99.80354	-17.2	2.5	-80.9	47.5	23.09705		-85.9		58.5 10.4	3.6	48.86518 26-27
28 -8.778 -25	690 4	94.90413	-36.7	2.4	-80.3	45.9	22.09926	0.971	-82.2	62.4	58.9 5.0	3.4	40.34931 27-28
JULY 31,1964	13 HR 2	2 MIN 16	SEC 385	MS		TAB NO	158		AS PHOTO		158	POD S	SEQUENCE NO 322
JULY 31,1964 :		2 MIN 16	SEC 385		SEC TO	IMPACT	158 ALT	ATL La	AS PHOTO	NO ON	R	٧	PTH AZ
		2 MIN 16	SEC 385			IMPACT	158	ATL La	AS PHOTO	NO ON	R	٧	•
TRAJECTORY DAT	A	2 MIN 16	SEC 385		SEC TO	IMPACT	158 ALT	ATL	AS PHOTO T L 971 -26	0 NO 0 N = 299	R 2217.654	V 2.369	PTH AZ -67.932 115.739
TRAJECTORY DATA PHOTO DATA PT LAT LO 1 -10-799 -200	TA )N .227 5	RANGE 32.81963	AZS/C -33.1	AZN 6.2	SEC TO 212. AZSUN ~83.0	IMPACT 414 AZA 48.9	ALT 482.19849	ATL LA 9 -7. B/A 0.898	AS PHOTO T L 971 -26 AZPHAZ -93.6	NO ON -299 INCD 67.9	R 2217.654 PHAZ EMIS 41.5 28.7	V 2.369 ALPHA 25.9	PTH AZ
TRAJECTORY DATA PT LAT LC 1 -10.799 -20. 2 -11.618 -22.	IA )N .227 5 .175 5	RANGE 32.81963 17.13361	AZS/C -33.1 -44.5	AZN 6.2 6.5	SEC TO 212. AZSUN ~83.0 -82.3	IMPACT 414 AZA 48.9 45.5	ALT 482.19849 A* 24.85256 24.57642	ATL LA 9 -7. B/A 0.898 0.913	AS PHOTO T L 971 -26 AZPHAZ -93.6 -90.2	NO ON =299 INCD 67.9 66.1	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1	V 2.369 ALPHA 25.9 17.4	PTH AZ -67.932 115.739 SCALE PT-PT 0. 0-1 62.99619 1-2
TRAJECTORY DATA PHOTO DATA PT LAT L( 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23.	IA IN 227 5 175 5	RANGE 32.81963 17.13361 93.66754	AZS/C -33.1 -44.5 -44.4	AZN 6.2 6.5 4.2	SEC TO 212. AZSUN ~83.0 -82.3 -81.0	IMPACT 414 AZA 48.9 45.5 45.5	ALT 482.19849 A* 24.85256 24.57642 23.24997	ATL LA 9 -7. B/A 0.898 0.913 0.979	AS PHOTO  T L 971 -26  AZPHAZ -93.6 -90.2 -85.5	NO 0N -299 INCD 67.9 66.1 64.2	R 2217.656 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0	V 2.369 ALPHA 25.9 17.4 10.6	PTH AZ -67.932 115.739 SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3
TRAJECTORY DATA PHOTO DATA PT LAT L( 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -23.	0N 227 5 175 5 1981 4	RANGE 32.81963 17.13361 93.66754	AZS/C -33.1 -44.5 -44.4 -58.6	AZN 6.2 6.5 4.2 5.8	SEC TO 212. AZSUN ~83.0 -82.3 -81.0 -81.1	IMPACT 414 AZA 48.9 45.5 45.5 42.2	ALT 482-19849 A* 24-85256 24-57642 23-2497 23-87909	ATL LA 9 -7. B/A 0.898 0.913 0.979 0.947	AS PHOTO  T L 971 -26  AZPHAZ -93.6 -90.2 -85.5 -85.1	ON -299 INCD 67.9 66.1 64.2 65.8	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6	V 2.369 ALPHA 25.9 17.4 10.6 17.6	PTH AZ -67.932 115.739 SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4
TRAJECTORY DATA PHOTO DATA PT LAT L(1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -22.	DN .227 5 .175 5 .981 4 .360 5	RANGE 32.81963 17.13361 93.66754 04.87591	AZS/C -33.1 -44.5 -44.4 -58.6 -66.5	AZN 6.2 6.5 4.2 5.8 7.4	SEC TO 212. AZSUN -83.0 -82.3 -81.0 -81.1	IMPACT 414 AZA 48.9 45.5 45.5 45.5 42.2 39.0	ALT 482.19849 A* 24.85256 24.57642 23.24997 23.87909 24.60942	ATL  LA  9 -7.  B/A  0.898  0.913  0.979  0.947  0.908	AS PHOTO T L 971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7	NO ON -299 INCD 67.9 66.1 64.2 65.8 67.5	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9	V 2.369 ALPHA 25.9 17.4 10.6 17.6 24.8	PTH AZ -67.932 115.739 SCALE PT-PT 0. 0. 1 62.99619 1- 2 71.75368 2- 3 48.39465 3- 4 51.72697 4- 5
TRAJECTORY DATA PHOTO DATA PT LAT L 1 -10.799 -20 2 -11.618 -22 3 -10.047 -23 4 -9.964 -22 5 -9.875 -20 6 -11.580 -20	ON .227 5 .175 5 .981 4 .360 5 .629 5	RANGE 32.81963 17.13361 93.66754 904.87591 22.97661 36.34657	AZS/C -33.1 -44.5 -44.4 -58.6 -66.5 -54.1	AZN 6.2 6.5 4.2 5.8 7.4 8.3	SEC TO 212. AZSUN -83.0 -82.3 -81.0 -81.1 -81.1	IMPACT 414 AZA 48.9 45.5 45.5 45.5 42.2 39.0 42.3	ALT 482.19849 A+ 24.85256 24.57642 23.24997 23.87909 24.60942 25.36962	ATL  LA  9 -7.  B/A  0.898  0.913  0.979  0.947  0.908  0.873	AS PHOTO T L 971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2	INCD 67.9 66.1 64.2 65.8 67.5	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.2 29.6	V 2.369 ALPHA 25.9 17.4 10.6 17.6 24.8 24.6	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6
TRAJECTORY DATA PT LAT L1 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20.	DN .227 5.175 5.981 4.360 5.629 5.374 5.070 5	RANGE 32.81963 17.13361 193.66754 104.87591 22.97661 36.34657 36.34657	AZS/C -33.1 -44.5 -44.4 -58.6 -66.5 -54.1 -44.6	AZN 6.2 6.5 4.2 5.8 7.4 8.3 9.5	SEC TO 212.  AZSUN ~83.0 -82.3 -81.0 -81.1 -81.1 -82.6 -84.2	AZA 48.9 45.5 45.5 42.2 39.0 42.3 45.4	ALT 482-19845 A* 24-85256 24-57642 23-24997 23-87909 24-60942 25-36962 26-26461	ATL LA 9 -7. B/A 0.898 0.913 0.979 0.947 0.908 0.873 0.832	AS PHOTO T L 971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2	INCD 67.9 66.1 64.2 65.5 67.9 68.4	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.2 29.6 42.5 34.5	V 2.369 ALPHA 25.9 17.4 10.6 17.6 24.8 24.8 24.6 23.2	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0 1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7
TRAJECTORY DATA PHOTO DATA PT LAT L 1 -10.799 -20 2 -11.618 -22 3 -10.047 -23 4 -9.964 -22 5 -9.875 -20 6 -11.580 -20	DN .227 5.175 5.981 4.360 5.374 5.374 5.070 5.958 5	RANGE 32.81963 17.13361 93.66754 904.87591 22.97661 36.34657	AZS/C -33.1 -44.5 -44.4 -58.6 -66.5 -54.1	AZN 6.2 6.5 4.2 5.8 7.4 8.3	SEC TO 212. AZSUN -83.0 -82.3 -81.0 -81.1 -81.1	IMPACT 414 AZA 48.9 45.5 45.5 42.2 39.0 42.3 45.4 48.6	ALT 482.19849 A+ 24.85256 24.57642 23.24997 23.87909 24.60942 25.36962	ATL  LA  9 -7.  B/A  0.898  0.979  0.947  0.908  0.872  0.872	AS PHOTO T L 971 -26 AZPHAZ -93.6 -90.2 -85.1 -84.7 -90.2 -95.7 -95.2	NO ON =299 INCD 67.9 66.1 64.2 65.8 67.5 67.9 68.4	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.2 29.6	V 2.369 ALPHA 25.9 17.4 10.6 17.6 24.8 24.6	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6
TRAJECTORY DATA PHOTO DATA PT LAT L 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23.	ON .227 5.175 5.981 4.360 5.3629 5.374 5.070 5.9712 5.856 5	RANGE 132.81963 117.13361 193.66754 104.87591 122.97661 136.34657 136.366111 123.81747	AZS/C -33.1 -44.5 -44.4 -58.6 -66.5 -54.1 -44.6 -35.1 -35.1	AZN 6.2 6.5 4.2 5.8 7.4 8.3 9.5 7.4	SEC TO 212.  AZSUN -83.0 -82.3 -81.0 -81.1 -81.1 -82.6 -84.2 -83.6 -83.0	IMPACT 414 AZA 48.9 45.5 45.5 42.2 39.0 42.3 45.4 48.6 51.9 48.8	ALT 482-19845 24-85256 24-57642 23-24997 23-87909 24-60942 25-36962 26-26461 25-39170 24-64897 23-89674	ATL  LA  9 -7.  8/A  0.898 0.913 0.979 0.947 0.908 0.873 0.832 0.872 0.906 0.946	AS PHOTO T L 971 -26 -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -90.2	INCD 67.9 66.1 64.2 65.8 67.5 67.9 68.4 66.5 64.8	R 2217.65' PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.2 29.6 42.5 34.5 47.9 29.7 53.2 26.2 53.0 19.7	V 2.369 ALPHA 25.9 17.4 10.6 24.8 24.6 23.2 16.0 8.8 10.2	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10
PHOTO DATA PT LAT 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23.	ON .227 5.175 5.981 4.360 5.374 5.070 5.958 5.7856 5.856 5.981 4	RANGE 32.81963 17.13361 93.66754 04.87591 22.97661 36.34657 57.67743 36.86111 23.81747 05.20395	AZS/C -33.1 -44.5 -44.4 -58.6 -66.5 -54.1 -44.6 -35.1 -22.8 -30.5 -44.4	AZN 6.5 4.2 5.8 7.4 8.3 9.5 7.4 4.6	SEC TO 212.  AZSUN -83.0 -81.0 -81.1 -81.1 -82.6 -84.2 -83.6 -83.1 -82.0 -81.0 -81.0 -81.0 -81.0 -81.0 -81.0 -81.0 -81.0 -81.0 -81.0 -81.0	IMPACT 414 AZA 48.9 45.5 42.2 39.0 45.4 48.6 51.9 48.5	ALT 482.19845 A. 24.85256 24.57642 23.24997 24.60942 25.36962 26.26461 25.39170 24.64897 23.89674	ATL  LA  9 -7.  B/A  0.898 0.913 0.979 0.947 0.908 0.873 0.832 0.872 0.906 0.979	T L 971 -26 AZPHAL -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.2 -94.8 -90.1 -85.5	INCD 67.9 66.1 65.8 67.5 67.9 68.4 66.5 64.5	R 2217-65* PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.2 29.6 42.5 34.5 47.9 29.7 53.2 26.2 53.0 19.7 53.2 14.0	V 2.369 ALPHA 25.9 17.4 10.6 17.6 24.8 24.6 23.2 16.0 8.8 10.2	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11
PHOTO DATA PT LAT LI 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23.	IA  IN 227 5 1175 5 981 4 360 5 629 5 374 5 070 5 958 5 712 5 856 5 981 4 5570 4	RANGE 632.81963 117.13361 93.66754 04.87591 22.97661 36.34657 57.67743 36.866111 23.81747 05.20395 93.66754 83.71158	AZS/C -33.1 -44.5 -44.4 -58.6 -54.1 -44.6 -35.1 -22.8 -30.5 -44.4	AZN 6.2 6.5 4.2 5.8 7.4 3 9.5 7.4 2 4.6 4.2	SEC TO 212.  AZSUN -83.0 -82.3 -81.0 -81.1 -81.1 -82.6 -83.1 -82.0 -83.0 -81.0	IMPACT 414  AZA 48.9 45.5 42.0 42.0 42.4 48.6 51.9 48.6 51.9	ALT 482-19849 24-85256 24-57642 23-24997 23-87909 24-60942 25-36962 26-26461 25-39170 24-64897 23-89674 23-269312	ATL  LA  9 -7.  B/A  0.898 0.913 0.979 0.947 0.908 0.873 0.832 0.872 0.906 0.971	AS PHOTO T L6 971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -95.2 -94.8 -90.1 -85.5 -82.2	INCD 67.9 66.1 64.2 65.8 67.5 67.5 68.4 66.5 64.8 64.2	R 2217-65' PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.2 29.6 42.5 34.5 47.9 29.7 53.2 26.2 53.0 19.7 53.2 14.0 58.9 5.1	V 2.369 ALPHA 25.9 17.4 10.6 17.6 24.8 24.6 23.2 16.0 8.8 10.2 10.6	PTH AZ -67-932 115-739  SCALE PT-PT 0. 0-1 62-99619 1-2 71-75368 2-3 48.39465 3-4 51-72697 4-5 52-19602 5-6 56-29962 6-7 55-64011 7-8 51-68108 8-9 52-42318 9-10 48.95451 10-11 60-22970 11-12
PHOTO DATA PT LAT 1. 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25.	IA  IN  1227 5  1175 5  1981 4  360 5  3629 5  374 5  070 5  9712 5  8856 5  981 4  076 4	RANGE 32.81963 193.66754 04.87591 22.97661 36.34657 57.67743 36.86111 23.81747 05.20395 93.66754 83.71158	AZS/C -33.1 -44.5 -44.4 -58.6 -66.5 -54.1 -44.6 -35.1 -22.8 -30.5 -44.4 -36.8	AZN 6.2 6.5 4.2 5.8 7.4 8.5 7.4 5.2 4.6 4.2 4.9	SEC TO 212.  AZSUN ~83.0 -82.3 -81.1 -81.1 -82.6 -84.2 -83.6 -84.2 -83.6 -84.2 -80.3 -80.3 -80.3 -80.3	IMPACT 414  AZA 48.9 45.5 42.2 39.0 445.4 48.6 48.6 518.8 45.7 43.9	ALT 482-19845 A* 24.85256 24.57642 23.24997 24.60942 25.36962 26.26461 25.39170 24.64897 23.89674 23.24997 21.60312 22.68875	ATL  LA  -7.  B/A  0.979  0.904  0.903  0.872  0.872  0.906  Ω.946  0.979  0.979  0.971	AS PHOTO T L 971 -26  AZPHAZ -93.6 -90.2 -85.5 -85.1 -90.2 -95.7 -95.2 -94.8 -90.1 -85.5 -82.2	INCD 67.9 66.1 64.2 67.5 67.9 68.4 66.5 64.8 64.5 64.2 62.5	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.5 34.5 42.5 34.5 53.0 19.7 53.2 14.0 58.9 53.1 14.0 58.9 53.1 10.6	V 2.369 25.9 17.4 10.6 17.6 24.8 24.6 23.2 16.0 8.8 10.2 10.6 3.0	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 44.84262 12-13
PHOTO DATA PT LAT LI 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24.	IA  IN 227 5 1981 4 360 5 629 5 070 5 958 5 712 5 981 4 5570 4 6500 4	RANGE 632.81963 17.13361 93.66754 94.87591 36.36657 57.67743 36.86111 23.81747 05.20395 93.66754 83.71158 88.70803 99.53962	AZS/C -33-1 -44-5 -58-6 -66-5 -54-1 -22-8 -30-5 -44-6 -37-3 -66-8 -75-6	AZN 6.2 6.5 4.2 7.4 8.3 7.4 4.2 2.4 3.3	SEC TO 212.  AZSUN -83.0 -82.3 -81.0 -81.1 -81.1 -82.6 -84.2 -83.6 -83.1 -82.0 -81.0 -80.3 -80.2 -80.2 -80.2	IMPACT 414  AZA 48.9 45.5 45.5 239.0 42.3 45.4 48.6 51.9 45.7 439.2	158 ALT 482.19849 24.85256 24.57642 23.24997 23.87909 24.60942 25.36962 26.26461 25.39170 24.64897 23.24997 23.24997 23.24997 23.24997 23.24997 23.24997 23.24997	ATL  LA  -7.  B/A  0.898  0.979  0.947  0.908  0.872  0.906  0.979  0.971  0.971	AS PHOTO T L6 971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -90.1 -85.5 -82.2 -81.6	INCD 67.9 66.1 64.2 65.8 67.9 68.4 66.5 64.2 62.5 64.2 62.5 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64	R 2217.65 <sup>4</sup> PHAZ EMIS 41.5 28.7 47.6 24.1 47.8 19.6 42.4 25.9 42.2 29.6 42.5 34.2 42.5 34.2 53.0 19.7 53.2 14.0 53.7 10.6 48.4 17.2	V 12.369 ALPHA 25.9 17.4 10.6 24.8 24.8 24.6 216.0 8.8 10.6 3.6 10.6 3.6	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 52.9962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 44.84262 12-13 47.33049 13-14
PHOTO DATA PT LAT 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20.	7A  227 5  175 5  1981 4  629 5  629 5  374 5  070 5  712 5  712 5  712 5  714 5  70 6  70 6  70 6  70 6  70 6  70 6  70 6  70 6  70 70 6  70 70 6  70 70 6  70 70 6  70 70 6  70 70 6  70 70 6  70 70 70 70 70 70 70 70 70 70 70 70 70 7	RANGE 32.81963 17.13361 193.66754 04.87591 22.97661 36.34657 57.67743 36.86111 23.81747 05.20395 93.66754 88.71158 88.70803 99.53962	AZS/C -33.1 -44.5 -58.6 -66.5 -54.1 -22.8 -30.5 -44.4 -37.3 -66.8 -75.6	AZN 6.2 5.8 7.4 8.3 7.4 5.2 4.6 2 2.4 3.9 5.3 6.6	AZSUN ~83.0 -82.3 -81.0 -81.1 -81.1 -82.0 -81.0	IMPACT 414  AZA 48.9 45.5 42.2 39.0 45.4 48.6 48.6 48.6 48.7 43.9 236.0	ALT 482-19845 24.85256 24.57642 23.24997 23.87909 24.60942 25.36962 26.26461 25.39170 24.64897 23.24997 21.60312 22.68875 23.34988 24.03563	ATL  B/A  0.8898 0.913 0.979 0.904 0.873 0.872 0.906 0.979 0.971 0.971 0.971 0.973	AS PHOTO T L 971 -26  AZPHAZ -93.6 -90.2 -85.5 -85.1 -90.2 -95.7 -90.2 -94.8 -90.1 -85.5 -82.2 -81.6 -80.8	INCD 67.9 66.1 65.8 67.5 67.9 66.5 64.8 64.5 64.5 64.5 64.5 64.5 64.5	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.5 34.5 7.9 29.7 53.2 26.2 53.0 19.7 53.2 14.0 58.9 5.1 53.7 10.6 48.4 17.2 48.4 17.2 48.4 17.2	V 2.369 ALPHA 25.9 17.6 17.6 24.6 23.2 16.0 8.8 10.2 10.6 10.3 17.1	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-13 48.95451 10-11 60.22970 11-13 47.33049 13-14 50.49465 14-15
TRAJECTORY DATA PT LAT LI 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -19.	ON .227 5.175 5.981 4.360 5.374 5.374 5.770 5.985 5.7712 5.570 4.076 4.500 4.500 4.500 4.004 5.0	RANGE 32.81963 17.13361 93.66754 04.87591 22.97661 36.34657 36.86111 23.81747 05.20395 93.66754 83.71158 88.70803 99.53962 16.976154	AZS/C -33-1 -44-5 -58-6 -66-5 -54-1 -22-8 -30-5 -44-6 -37-3 -66-8 -75-6	AZN 6.2 6.5 2 5.8 7.4 8.3 9.4 5.2 4.6 4.2 4.9 5.3 6.6 7.9	SEC TO 212.  AZSUN -83.0 -82.3 -81.0 -81.1 -81.1 -82.6 -84.2 -83.6 -83.1 -82.0 -81.0 -80.3 -80.2 -80.2 -80.2	IMPACT 414 48.95 45.5 42.0 42.3 45.6 51.9 45.6 51.9 45.7 39.0 333.0	ALT 482-19849 24-85256 24-57642 23-24997 23-87909 24-60942 25-36962 26-26461 25-39170 24-68875 23-24997 23-89674 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 24-68875 24-03563 24-03563 24-03563	ATL  1.4  1.7  1.7  1.7  1.7  1.7  1.7  1.7	T L 1971 -26  AZPHAZ -93.6  -90.2 -85.5 -85.1 -84.7 -90.2 -95.7 -90.1 -84.8 -80.0 -80.8	NO ON = 299 INCD 66-1 66-2 65-8 67-9 68-4 66-5 64-2 62-5 64-2 62-5 64-2 65-5 64-2 65-5 64-2 65-5 64-2 65-6	R 2217.65 <sup>4</sup> PHAZ EMIS 41.5 28.7 47.6 24.1 47.8 19.6 42.4 25.9 42.2 29.6 42.5 34.5 47.9 29.7 53.2 14.0 53.7 10.6 8.9 5.1 53.7 10.6 8.4 43.1 24.0 38.0 31.0	V 2.369 ALPHA 25.9 17.6 17.6 24.8 24.8 23.2 16.0 8 10.2 10.6 10.3 17.1 24.0	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 44.84262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16
TRAJECTORY DATA PT LAT LI 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -10.	IA  DN 227 5 175 5 1981 4 360 5 629 5 629 5 712 5 981 4 550 4 650 4 650 4 650 5	RANGE 32.81963 17.13361 193.66754 04.87591 22.97661 36.34657 57.67743 36.86111 23.81747 05.20395 93.66754 88.71158 88.70803 99.53962	AZS/C -33.1 -44.5 -44.6 -58.6 -66.5 -54.1 -44.6 -35.1 -22.8 -30.5 -44.4 -37.3 -66.8 -75.6 -78.6	AZN 6.2 5.8 7.4 8.3 7.4 5.2 4.6 2 2.4 3.9 5.3 6.6	SEC TO 212.  AZSUN ~83.0 -81.0 -81.1 -81.1 -81.1 -81.1 -81.1 -82.6 -83.1 -82.0 -80.3 -80.3 -80.3 -80.3 -80.3 -80.3 -80.3 -80.3 -79.9 -79.9	IMPACT 414  AZA 48.9 45.5 42.2 39.0 45.4 48.6 48.6 48.6 48.7 43.9 236.0	ALT 482-19845 24.85256 24.57642 23.24997 23.87909 24.60942 25.36962 26.26461 25.39170 24.64897 23.24997 21.60312 22.68875 23.34988 24.03563	ATL  B/A  0.898 0.913 0.977 0.908 0.872 0.872 0.906 0.979 0.971 0.997 0.971 0.986 0.886 0.886	T L 1971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -95.7 -95.7 -95.8 -80.8 -80.8 -80.8	NO ON -299 INCD 67.9 66.12 65.8 67.5 68.4 66.5 64.2 62.5 64.2 62.5 64.2 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 64.2 65.5 65.5 65.5 65.5 65.5 65.5 65.5 65	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.5 34.5 7.9 29.7 53.2 26.2 53.0 19.7 53.2 14.0 58.9 5.1 53.7 10.6 48.4 17.2 48.4 17.2 48.4 17.2	V 2.369 ALPHA 25.9 17.6 24.8 24.6 23.2 16.0 8.8 10.2 10.6 10.3 17.1 24.0 31.0	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-13 48.95451 10-11 60.22970 11-13 47.33049 13-14 50.49465 14-15
PHOTO DATA PT LAT 1 -10.799 -20 2 -11.618 -22 3 -10.047 -23 4 -9.964 -22 5 -9.875 -20 6 -11.580 -20 7 -13.415 -20 8 -13.393 -21 10 -11.658 -23 11 -10.047 -23 12 -8.824 -25 13 -8.177 -24 14 -8.601 -22 15 -8.473 -20 16 -8.331 -19 17 -9.779 -18 18 -11.545 -18	IA  IN  227 5  175 5  1856 4  360 5  3070 5  3070 5  3070 5  856 5  856 5  856 4  006 4  0076 4  0076 4  0076 5  0004 5  0004 5  0004 5	RANGE 32.8 1963 17.13361 93.66754 04.87591 22.97661 36.34657 57.67743 36.86111 23.81747 05.201395 93.66754 83.71158 88.70803 99.53962 16.97615 141.95998	AZS/C -33.1 -44.5 -44.4 -58.6 -66.5 -54.1 -44.6 -35.1 -30.5 -44.4 -37.3 -66.8 -79.6 -79.6	AZN 6.25 6.2 5.8 7.4 5.2 6.6 4.2 2.9 5.3 6.6 7.9	SEC TO 212.  AZSUN ~83.0 -82.3 -81.1 -81.1 -82.6 -84.2 -83.1 -82.0 -80.3 -80.2 -80.1 -79.9 -79.6 -81.1	1MPACT 414 48.95 45.5 45.5 45.4 45.5 45.6 45.6 45.6 45.	ALT 482.19849 24.85256 24.57642 23.24997 23.87909 24.60942 25.36962 26.264170 24.64897 23.24997 21.60312 22.68875 23.34988 24.83859 24.83859 25.46826	ATL  LA  -7.  B/A  0.898 0.913 0.979 0.947 0.908 0.872 0.806 0.971 0.992 0.872 0.806 0.971 0.992 0.886 0.861 0.826	T L 1971 -26  AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -95.7 -95.7 -95.7 -96.8 -80.8 -80.0 -79.0 -84.1 -90.2	NO ON -299 INCD 66-1 64-2 65-8 67-9 68-4 64-5	R 2217.65° PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.5 34.5 753.2 26.2 753.2 14.0 753.2 14.0 753.7 10.6 48.4 17.2 48.4 17.2 48.4 17.2 753.2 32.6 753.2 32.6 753.2 32.6	V 2.369 ALPHA 25.9 17.4 10.6 17.8 24.8 24.6 23.2 16.0 8.8 10.6 30.3 17.1 24.0 31.0 32.0	PTH AZ -67-932 115-739  SCALE PT-PT 0. 0-1 62-99619 1-2 71-75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.459101 7-8 51.68108 8-9 52-42318 9-10 48.95451 10-11 60.22970 11-12 44.84262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16
PHOTO DATA PT LAT 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -19. 17 -9.779 -18. 18 -11.545 -18. 19 -13.453 -18. 20 -15.553 -17.	IA  IN 1227 5 175 5 981 4 360 5 629 5 070 5 958 5 7712 5 856 5 958 5 570 4 819 5 600 4 819 5 414 5 600 5 414 5	RANGE 132.81963 17.13361 93.66754 04.87591 122.97661 57.67743 36.34657 57.67743 36.36111 23.81747 05.20395 93.66754 83.71158 88.70803 99.53962 16.9761 16.9761 48.99221 63.99619 87.61398 21.57289	AZS/C -33.1 -44.5 -44.4 -58.5 -54.1 -44.6 -35.1 -22.8 -30.3 -36.8 -75.6 -81.9 -71.3	AZN 6.5 4.2 5.4 8.3 9.4 5.2 4.6 2.4 3.9 6.6 7.9 10.2 11.7	SEC TO 2 12.8  AZSUN -83.0 -81.1 -81.1 -82.6 -84.2 -83.6 -83.1 -82.0 -80.3 -80.2 -80.1 -79.9 -79.6 -81.1 -82.9 -84.2 -80.1 -79.9 -79.6 -81.1 -82.9 -84.2 -84.2 -84.2 -84.2 -84.2	IMPA 414 48.9 45.5 45.4 45.5 392.4 45.4 518.8 45.7 396.0 336.0 336.0 339.3 42.3	ALT 482-19845 A* 24.85256 24.57642 23.24997 24.60942 25.36962 26.26461 25.39170 24.64897 23.24997 21.60312 22.68875 23.34988 24.03563 24.83859 25.46826 26.30852 27.30709 28.51708	ATL  LA  -7.  B/A  0.898 0.913 0.979 0.947 0.908 0.832 0.806 0.946 0.971 0.997 0.971 0.932 0.886 0.946 0.7730	T L 1971 -26  AZPHAZ -93.6 -90.2 -85.5 -85.5 -85.7 -94.8 -90.1 -84.7 -95.2 -95.7 -95.2 -95.9 -90.1 -84.1 -90.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -96.2 -	ON .299  1NCD 66.1 66.2 65.8 67.9 66.4 64.5 64.5 64.5 64.5 65.5 67.2 68.9 69.8 70.4	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 53.2 14.0 42.4 25.9 42.5 34.5 53.2 14.0 53.2 26.2 53.0 19.7 53.2 26.2 53.0 19.7 53.2 14.0 58.9 53.1 14.0 58.9 53.1 14.0 38.0 31.0 37.2 26.1 38.2 45.2	V 2.369 ALPHA 25.9 17.4 10.6 17.6 24.8 24.6 216.0 8.8 10.3 17.1 24.0 31.0 32.0 30.6	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 44.84262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16 44.48510 16-17 54.42611 17-18 59.05504 18-19 65.35231 19-20
PHOTO DATA PT LAT LI 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -19. 17 -9.779 -18. 18 -11.545 -18. 19 -13.453 -18. 20 -15.553 -17. 21 -15.453 -18.	IA  DN 227 5 175 5 981 4 360 5 629 5 374 5 7712 5 981 4 5570 4 5770 5	RANGE 32.81963 17.13361 93.66754 04.87591 22.97661 36.34657 36.86111 23.81747 05.20395 93.66754 83.71158 88.70803 99.53962 16.97615 41.95998 48.99221 63.99619 87.61398 21.57289	AZS/C -33.1 -44.5 -58.6 -56.5 -54.1 -44.6 -35.1 -22.8 -30.5 -47.3 -66.8 -79.6 -81.9 -71.3 -60.6 -37.5	AZN 6.2 6.5 4.2 5.8 7.4 8.3 7.4 5.6 4.2 2.4 6.9 10.2 11.7 13.6	SEC TO 212.  AZSUN ~83.0 -82.3 -81.0 -84.2 -83.6 -84.2 -83.6 -84.2 -83.6 -81.0 -80.3 -80.2 -79.9 -87.2 -82.9 -87.2 -86.1	1MPACT 414 48-9 45-5 239-0 345-4 48-6 48-6 48-6 48-6 48-6 335-9 245-4 48-6 345-6 48-6 345-6 48-6 48-6 48-6 48-6 48-6 48-6 48-6 48	ALT 482-19849 24-85256 24-57642 23-24997 23-87909 24-60942 25-36962 26-26461 23-24997 23-89674 23-24997 23-8987 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-2597 23-34988 24-03563 24-83859 25-30709 28-51708 27-33598	ATL  LA  -7.  B/A  0.8913  0.979  0.9047  0.908  0.872  0.906  0.977  0.9771  0.9326  0.861  0.860  0.782  0.780  0.782	T L 1971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -90.2 -95.7 -90.2 -94.8 -90.1 -85.5 -85.0 -90.1 -85.5 -85.0 -90.1 -85.5 -90.2 -90.	NO ON -299 1NCO 66.1 64.8 67.9 68.4 66.5 64.5 64.2 64.0 65.5 64.2 64.0 65.3 67.9 69.3 70.4 71.1	R 2217.65* PHAZ EMIS 41.5 28.7 47.6 24.1 41.5 28.7 47.6 24.1 42.4 25.9 42.2 29.6 42.5 34.5 53.2 14.0 53.7 10.6 48.4 17.7 53.2 14.0 38.0 31.0 38.0 31.0 37.2 32.6 36.8 35.8 37.2 40.1 38.2 45.2	V 2.369 ALPHA 25.9 17.4 10.6 24.8 24.6 23.2 16.0 8.8 10.2 10.6 10.3 17.1 24.0 32.0 32.0 32.0 32.0 32.0 30.6 27.8	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 44.84262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16 44.48510 16-17 54.42611 17-18 59.05504 18-19 65.35231 19-20 64.50418 20-21
PHOTO DATA PT LAT 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -19. 17 -9.779 -18. 19 -13.453 -18. 20 -15.553 -17. 21 -15.423 -19. 22 -15.326 -21.	ON 227 5	RANGE 132.81963 17.113361 93.66754 04.87591 122.97661 136.34657 157.67743 136.34657 157.67743 133.81747 05.20395 93.66754 88.70803 99.53962 16.97615 141.95998 87.61398 21.57289 88.38721 65.272647	AZS/C -33.1 -44.4 -58.5 -66.5 -54.1 -22.8 -30.5 -44.4 -37.3 -66.8 -79.6 -71.3 -60.6 -31.7 -44.6	AZN 6.52 6.55 4.28 7.44 8.35 7.42 4.62 2.44 3.93 6.66 7.99 1027 11.60 11.04	SEC TO 2 2 SUN 83.0 0 -82.3 -81.1 -81.1 -82.6 -84.2 -83.6 -83.1 -81.0 -80.3 -8	IMPA  A A 9 9 5 5 2 0 3 4 5 5 6 4 5 3 9 2 2 0 4 5 5 6 6 9 8 5 7 9 2 2 0 3 3 3 5 9 2 3 4 5 5 6 5 1 8 6	ALT 482-19845 A* 24.85256 24.57642 23.24997 24.60942 25.36962 26.26461 25.36962 26.26461 22.68875 23.34988 24.03563 24.83859 24.03563 24.83859 25.46896 26.30852 27.30709 27.33598 27.33598 26.335907	ATL  LA  9 -7.  B/A  0.8948  0.943  0.947  0.946  0.947  0.971  0.932  0.826  0.970  0.971  0.932  0.826  0.782  0.781  0.781	AS PHOTO  T L 971 -26  AZPHAZ -93.6 -90.2 -85.5 -85.5 -85.7 -90.2 -95.7 -90.2 -95.7 -91.8 -90.1 -84.7 -90.2 -96.0 -90.1 -80.8 -80.0 -79.0 -84.0 -80.8	INO INCO 67.9 66.1 67.9 66.5 67.9 68.4 64.5 64.2 64.2 68.9 67.9 68.9 67.9 68.9 67.9 67.9	R 2217.654 PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.2 29.6 42.5 34.5 53.2 14.0 58.9 5.1 53.2 14.0 38.0 31.0 38.0 31.0 37.2 32.4 33.3 40.2 43.3 40.2 43.3 40.2 43.3 40.2	V 2.369 ALPHA 25.9 17.4 10.6 24.8 24.8 10.6 3.63 17.1 24.0 31.0 32.0 32.0 32.0 32.0 32.0	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 44.8262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16 44.48510 16-17 54.42611 17-18 59.05504 18-19 65.35231 19-20 64.50418 20-21 58.42568 21-22
PHOTO DATA PT LAT 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -19. 17 -9.779 -18. 18 -11.545 -18. 19 -13.453 -18. 20 -15.553 -17. 21 -15.423 -19. 22 -15.326 -21. 23 -15.423 -19.	ON .227 5.175 5.981 4.360 5.374 5.374 5.570 4.570 5.570 4.570 5.570 4.570 5.570 6.588 5.570 5.543 5.54	RANGE 32.81963 17.13361 93.66754 04.87591 22.97661 36.34657 36.86111 23.81747 05.20395 93.66754 83.71158 88.70803 99.53962 16.9761 41.95998 48.99221 63.99619 87.61398 88.38721 65.27647	AZS/C -33.1 -44.5 -58.6 -58.6 -35.1 -22.8 -30.5 -44.4 -37.3 -66.8 -79.6 -81.9 -71.3 -60.6 -51.7 -44.5 -75.6	AZN 6.52 6.55 4.28 7.48 8.55 7.42 4.66 4.24 3.93 5.36 7.99 10.77 13.66 11.00 8.49	SEC TO 210 AZSUN -83.0 -82.3 -82.3 -82.6 -83.1 -81.1 -82.6 -83.1 -82.0 -81.0 -81.0 -81.0 -82.0 -81.1 -79.9 -87.2 -86.1 -82.9 -87.2 -86.1 -85.3 -80.2 -86.1 -85.3 -80.2 -86.1 -85.3 -85.3 -85.3 -85.3 -85.3 -85.3 -85.3 -85.3	IMPA A A 9 45.5 445.4 45.5 445.4 45.5 445.4 45.5 445.4 45.5 445.4 45.5 18.5 7 9 2 0 0 0 9 2 3 4 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	ALT 482-19849 24-85256 24-57642 23-24997 23-87909 24-60942 25-36962 26-26461 25-39170 24-64897 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-2597 23-34988 24-03563 24-03563 24-838592 25-46826 26-30852 27-30709 28-51708 27-33598 24-335907 28-53576	ATL  LA  7 -7.  B/A  0.898 0.913 0.977 0.908 0.873 0.872 0.872 0.906 0.906 0.906 0.906 0.906 0.906 0.700 0.907 0.907 0.907 0.907	T L 1971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -90.2 -95.7 -95.2 -94.8 -90.1 -85.5 -82.2 -81.6 -80.8 -80.0 -79.0 -79.0 -80.2 -96.2 -96.2 -101.0 -100.1 -99.3	NO ON -299 1NCD 66.1 65.8 67.9 68.4 66.5 64.2 64.2 64.2 64.2 64.2 64.2 64.2 64.2 64.2 64.2 64.2 65.8 66.3	R 2217.65 <sup>4</sup> PHAZ EMIS 41.5 28.7 47.6 24.1 47.8 19.6 42.4 25.9 42.2 29.6 42.5 34.7 53.2 14.0 7.8 19.7 53.2 14.0 37.2 26.2 43.1 24.0 37.2 32.6 36.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8	V 2.369 ALPHA 25.9 17.4 10.6 24.8 24.8 24.8 10.2 16.0 3.6 10.3 17.1 24.0 32.0 30.6 27.8 20.6 27.8 6.5	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 52.9962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 44.84262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16 44.48510 16-17 54.42611 17-18 59.05504 18-19 65.35231 19-20 64.50418 20-21 58.42568 21-22 53.94515 22-23
PHOTO DATA PT LAT 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -19. 17 -9.779 -18. 18 -11.545 -18. 19 -13.455 -18. 19 -13.555 -18. 20 -15.553 -17. 21 -15.553 -17. 21 -15.553 -17. 21 -15.553 -17. 21 -15.526 -23. 24 -15.206 -25.	N 227 5 981 4 360 5 374 5 971 2 5 981 4 5 971 2 5 981 4 5 971 2 5 971 4 5 971	RANGE 132.81963 17.13361 93.66754 04.87591 122.97661 136.34657 157.67743 36.8611 23.81747 05.20395 93.66754 83.71158 88.70803 99.53962 16.97615 141.95998 141.95998 121.57289 88.38721 65.27647 50.59099	AZS/C -33-1 -44-5 -58-6 -66-1 -59-1 -35-1 -22-8 -30-5 -35-1 -44-6 -37-6 -81-9 -71-3 -60-6 -81-9 -71-3 -71-3 -60-6 -37-5 -37-5 -31-7 -44-6 -37-5 -31-7 -44-6 -37-5 -31-7 -44-6 -37-5 -31-7 -44-6 -31-7 -44-6 -31-7	AZN 6.2 6.5 6.5 5.8 7.4 6.5 7.2 4.6 2.4 3.9 6.6 7.9 11.6 11.6 11.6 5.9	SEC TO 2 AZSUN -83.0 -82.3 -81.0 -81.1 -81.1 -82.9 -83.6 -83.0 -91.7 -9.9 -79.6 -80.3 -80	IMPA  A A 9 9 45 5 2 0 3 4 45 5 4 2 3 9 2 2 4 45 6 4 3 3 3 6 3 3 3 9 2 2 4 4 5 6 4 5 7 5 6 8 6 8 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	ALT 482-19845 24.85256 24.57642 23.24997 23.87909 24.60942 25.36962 26.26461 25.39170 24.64897 21.60312 22.68875 23.34986 24.83859 24.03653 24.83859 24.03653 24.83859 24.33598 27.30709 28.51708 27.335907 28.535907 24.83268	ATL  LA  9 -7.  B/A  0.998  0.913  0.979  0.906  0.873  0.906  0.971  0.906  0.971  0.920  0.8812  0.8820  0.8823	AS PHOTO  T L 971 -26  AZPHAZ -93.6 -90.2 -85.5 -85.1 -84.7 -95.7 -95.7 -95.2 -94.8 -90.8 -80.0 -79.0 -84.1 -90.2 -101.0 -100.1 -99.3	INO INCD 67.9 66.1 67.9 66.1 67.9 68.4 64.5 64.5 64.5 64.5 67.2 68.9 69.3 69.8 67.9 69.3 69.8 67.9 68.3 68.3 68.6 68.5 68.9 68.5 68.9 68.5 68.9 68.5 68.9 68.5 68.9 68.5 68.9 68.5 68.9 68.5 68.9 68.9 68.5 68.9 6	R 2217.65* PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.5 29.6 42.5 34.5 53.2 14.0 53.8 19.7 53.2 14.0 38.0 31.0 38.0 31.0 38.2 45.2 43.1 24.0 38.8 35.8 37.2 40.1 38.2 45.2 43.3 40.2 53.8 33.0 53.8 33.0	V 2.369 ALPHA 25.9 17.4 10.6 24.6 24.6 23.2 16.0 8.8 10.6 10.3 17.1 24.0 31.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 48.95451 10-11 60.22970 11-12 48.84262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16 44.48510 16-17 54.42611 17-18 59.05504 18-19 65.35231 19-20 64.50418 20-21 58.42568 21-22 53.94515 22-23 50.56841 23-24
PHOTO DATA PT LAT 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 9 -13.383 -23. 10 -11.658 -23. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -19. 17 -9.779 -18. 18 -11.545 -18. 19 -13.453 -18. 20 -15.553 -17. 21 -15.423 -19. 22 -15.326 -21. 23 -15.256 -23. 24 -15.206 -25. 25 -13.384 -25.	N 227 5 5 981 4 3 360 5 981 4 5 6 6 2 9 5 3 7 4 5 6 5 9 8 5 7 7 1 2 5 8 8 5 7 7 5 4 6 7 7 7 8 8 1 9 5 7 7 7 8 8 1 9 5 7 7 7 8 8 1 9 5 7 7 7 8 8 1 9 5 7 7 7 8 8 1 9 5 7 7 7 8 8 1 9 5 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	RANGE 32.81963 17.13361 93.66754 04.87591 22.97661 357.67743 36.86111 23.81747 05.20395 93.66754 83.71158 88.70803 99.53962 141.95998 48.99221 63.99619 87.61398 21.57289 188.38721 65.21647 50.59099 43.12509	AZS/C -33.1 -44.5 -58.6 -58.6 -58.1 -22.8 -30.5 -44.4 -37.3 -60.6 -79.6 -71.3 -60.6 -51.7 -4.1 -37.5 -28.7 -18.1 -7.8	AZN 6.2 6.5 5.8 7.4 6.5 7.4 6.6 7.9 9.5 7.4 6.6 7.9 10.2 2.1 11.7 6.9 8.3 9.3 3.3 3.3	SEC TO 210 AZSUN 0 -82.3 -82.0 -81.1 -82.6 -83.6 -83.1 -92.0 -81.1 -92.6 -81.1 -92.6 -81.1 -92.9 -87.2 -85.1 -92.6 -81.1 -92.9 -87.2 -86.1 -83.3 -83.5 -82.6	IMPA A A 9 9 5 5 2 0 3 4 4 5 5 5 2 0 3 4 4 5 5 1 8 5 7 9 2 0 0 9 2 3 4 5 1 5 1 6 4 5 1 5 1 6 5 1 6 5 1 6 5 1 6 5 1 6 5 1 6 6 6 6	ALT 482-19849 24-85256 24-57642 23-24997 23-87909 24-60942 25-36962 26-26461 25-39170 24-64897 23-24997 23-24997 23-24997 23-24997 23-24997 23-24997 23-25997 23-35997 24-83563 24-30709 25-35907 26-35907 24-83568	ATL  LA  7 -7.  B/A  0.497  0.991  0.997  0.908  0.908  0.908  0.906  0.906  0.906  0.906  0.906  0.907  0.971  0.932  0.832  0.832  0.832  0.832  0.832  0.832  0.832  0.832  0.832  0.832  0.832	T L 1971 -26 AZPHAZ -93.6 -90.2 -85.5 -85.1 -90.2 -95.2 -94.8 -80.0 -84.1 -90.2 -91.	INO INCD 67.9 1NCD 66.1 64.2 65.8 66.5 67.9 68.4 66.5 64.8 65.5 64.2 64.8 65.5 64.8 65.5 64.8 65.5 64.9 65.5 6	R 2217.65 <sup>4</sup> PHAZ EMIS 41.5 28.7 47.6 24.1 47.8 19.6 42.4 25.9 42.4 25.9 42.2 29.6 42.5 34.7 53.2 14.0 7.8 19.7 53.2 14.0 37.2 26.2 43.1 24.0 37.2 32.6 36.8 35.8 37.2 46.1 38.2 45.2 48.6 36.0 37.2 45.2 48.6 36.0 59.0 31.3 59.0 31.3 59.0 31.3	V 2.369  ALPHA 25.9  17.4  10.6  17.6  24.6  23.2  10.6  10.3  17.1  24.0  32.0  32.0  32.0  32.0  31.0  32.0  31.0	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 52.492318 9-10 48.95451 10-11 60.22970 11-12 44.84262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16 44.48510 16-17 54.42611 17-18 59.05504 18-19 65.35231 19-20 64.50418 20-21 58.42568 21-22 53.94515 22-23 50.56841 23-24 55.27131 24-25
PHOTO DATA PT LAT 1 -10.799 -20. 2 -11.618 -22. 3 -10.047 -23. 4 -9.964 -22. 5 -9.875 -20. 6 -11.580 -20. 7 -13.415 -20. 8 -13.393 -21. 11 -10.047 -23. 12 -8.824 -25. 13 -8.717 -24. 14 -8.601 -22. 15 -8.473 -20. 16 -8.331 -19. 17 -9.779 -18. 18 -11.545 -18. 19 -13.455 -18. 19 -13.555 -18. 20 -15.553 -17. 21 -15.553 -17. 21 -15.553 -17. 21 -15.553 -17. 21 -15.526 -23. 24 -15.206 -25.	N 227 5 981 4 4 6 6 981 5 981 6	RANGE 32.81963 17.13361 93.66754 04.87591 22.97661 57.67743 36.86113 23.81747 93.66754 83.71158 88.70803 99.53962 16.97615 141.95998 141.95998 163.99619 163.99619 17.51647 50.59099 17.51673 99.64688	AZS/C -33-1 -44-5 -58-6 -66-1 -59-1 -35-1 -22-8 -30-5 -35-1 -44-6 -37-6 -81-9 -71-3 -60-6 -81-9 -71-3 -71-3 -60-6 -37-5 -37-5 -31-7 -44-6 -37-5 -31-7 -44-6 -37-5 -31-7 -44-6 -37-5 -31-7 -44-6 -31-7 -44-6 -31-7	AZN 6.2 6.5 6.5 5.8 7.4 6.5 7.2 4.6 2.4 3.9 6.6 7.9 11.6 11.6 11.6 5.9	SEC TO 2 AZSUN -83.0 -82.3 -81.0 -81.1 -81.1 -82.9 -83.6 -83.0 -91.7 -9.9 -79.6 -80.3 -80	IMPACT 414  A8.9 45.5 42.0 345.4 45.4 45.5 45.4 45.7 45.3 36.0 37.2 45.4 45.7 57.6 45.7 57.6 45.7 57.6 45.7	ALT 482-19845 24.85256 24.57642 23.24997 23.87909 24.60942 25.36962 26.26461 25.39170 24.64897 21.60312 22.68875 23.34986 24.83859 24.03653 24.83859 24.03653 24.83859 24.33598 27.30709 28.51708 27.335907 28.535907 24.83268	ATL  LA  7 -7.  B/A  0.493  0.493  0.947  0.908  0.892  0.947  0.908  0.892  0.906  0.979  0.910  0.872  0.906  0.972  0.885  0.823  0.885  0.828	T L 1971 -26  AZPHAZ -93.6  -90.2 -85.5 -85.1 -84.7 -95.7 -95.7 -95.7 -91.6 -80.8 -80.0 -79.0 -84.1 -90.2 -102.2 -103.3	NO INC	R 2217.65* PHAZ EMIS 41.5 28.7 47.6 24.1 53.2 14.0 47.8 19.6 42.4 25.9 42.5 29.6 42.5 34.5 53.2 14.0 53.8 19.7 53.2 14.0 38.0 31.0 38.0 31.0 38.2 45.2 43.1 24.0 38.8 35.8 37.2 40.1 38.2 45.2 43.3 40.2 53.8 33.0 53.8 33.0	V 2.369 ALPHA 25.9 17.4 10.6 24.6 24.6 23.2 16.0 8.8 10.6 10.3 17.1 24.0 31.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32	PTH AZ -67.932 115.739  SCALE PT-PT 0. 0-1 62.99619 1-2 71.75368 2-3 48.39465 3-4 51.72697 4-5 52.19602 5-6 56.29962 6-7 55.64011 7-8 51.68108 8-9 52.42318 9-10 48.95451 10-11 60.22970 11-12 48.95451 10-11 60.22970 11-12 48.84262 12-13 47.33049 13-14 50.49465 14-15 54.57145 15-16 44.48510 16-17 54.42611 17-18 59.05504 18-19 65.35231 19-20 64.50418 20-21 58.42568 21-22 53.94515 22-23 50.56841 23-24

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TAB NO 159 ATLAS PHOTO NO. 159 POD SEQUENCE NO. 324 JULY 31,1964 13 HR 22 MIN 21 SEC 505 MS SEC TO IMPACT ALT LAT LON R V PTH AZ 207.294 470.95178 -8.023 -26.191 2206.407 2.373 -67.859 115.722 TRAJECTORY DATA PHOTO DATA

PT LAT LON RANGE A2S/C

1 -10.792 -20.241 520.45324 -33.2

2 -11.599 -22.132 505.31407 -44.6

3 -10.064 -23.897 482.32827 -44.6

5 -9.896 -20.621 511.03923 -66.4

6 -11.592 -20.312 524.10730 -54.1

7 -13.355 -20.075 544.90757 -44.7

8 -13.333 -21.920 524.10730 -54.1

10 -11.632 -23.634 511.75932 -23.0

10 -11.632 -23.634 511.75932 -23.0

10 -11.632 -23.675 493.60499 -30.7

11 -10.064 -23.897 482.32827 44.6

12 -8.870 -25.451 472.50166 -37.9

13 -8.765 -20.808 505.14455 -79.5

16 -8.388 -19.034 529.53799 -81.8

17 -9.802 -18.789 536.44014 -71.3

18 -11.528 -18.457 551.09724 -60.6

19 -13.391 -18.057 574.11308 -51.8

20 -15.442 -17.563 607.14036 -44.7

21 -15.135 -19.716 574.80022 -37.6

22 -15.221 -21.666 552.22523 -28.8

23 -15.152 -23.468 537.83157 -18.3

24 -15.103 -25.157 530.45342 -6.3

25 -13.324 -25.247 505.52090 -8.1

26 -11.680 -25.325 472.50166 -37.9

26 -11.680 -25.325 472.50166 -37.9

26 -11.680 -25.325 472.50166 -37.9 PHOTO DATA SCALE PT-PT 0. 0- 1 61.28774 1- 2 70.12816 47.29737 50.55248 51.00549 50.55248 4- 5 51.00549 5- 6 54.99629 6- 7 54.37002 7- 8 50.50067 9-10 47.83136 10-11 58.85665 11-12 43.81481 12-13 46.25420 13-14 49.34565 14-15 46.25420 13-14 49.34505 14-15 53.31317 15-16 43.47160 16-17 53.18025 17-18 57.67706 18-19 63.76629 19-20 62.97074 20-21 49.40523 23-24 53.94877 24-25 49.84724 25-26 46.65985 26-27 38.53083 27-28 ATLAS PHOTO NO 160 POD SEQUENCE NO 326 TAB NO 160 JULY 31,1964 13 HR 22 MIN 26 SEC 625 MS SEC TO IMPACT ALT LAT LUN R V PTH AZ 202.174 459.68854 -8.074 -26.082 2195.144 2.378 -67.785 115.705 TRAJECTORY DATA PHOTO DATA
PT LAT LON RANGE AZS/C AZN AZSUN AZA
1 -10.785 -20.255 508.06603 -33.4 6.2 -83.1 48.6
2 -11.580 -22.089 493.46776 -44.7 6.5 -82.3 45.3
3 -10.081 -23.813 470.98626 -44.7 6.5 -82.3 45.3
4 -10.002 -22.266 481.76035 -59.6 5.8 -81.1 42.1
5 -9, 917 -20.614 499.07401 -66.4 7.4 -81.1 39.1
6 -11.544 -20.370 511.83913 -54.1 8.3 -82.6 42.2
8 -13.273 -21.882 512.22363 -35.4 7.3 -83.7 48.3
9 -13.264 -23.555 499.67796 -23.2 5.2 -83.2 51.5
10 -11.619 -23.693 481.98242 -30.9 4.7 -82.1 48.4
11 -10.0081 -23.813 70.98626 -44.7 4.2 -81.0 45.3
12 -8.915 -25.332 461.27415 -33.5 2.5 -80.3 45.5
13 -8.813 -23.906 466.18078 -66.6 3.9 -80.2 43.8
14 -8.702 -22.401 476.6099 75.3 5.3 -80.1 39.3
15 -8.579 -20.796 493.28696 -79.4 6.7 -79.9 36.2
16 -8.444 -19.006 517.08939 -81.7 8.9 -80.2 43.8
17 -9.825 -18.824 523.85952 -71.2 8.9 -81.0 36.1
18 -11.510 -18.50 538.16892 -60.6 10.1 -82.9 39.2
19 -13.330 -18.112 560.58419 -51.8 11.6 -84.9 42.3
20 -15.329 -17.633 592.68543 -44.7 13.4 -87.2 25.1
21 -15.206 -19.732 561.18845 -33.6 10.9 -86.1 48.3
22 -15.115 -21.635 539.15038 -28.9 8.4 -85.2 51.3
23 -15.047 -23.394 525.05151 -18.5 5.8 -84.4 54.4
24 -14.998 -25.042 517.76563 -66.6 3.3 -83.7 57.7
26 -11.659 -25.207 476.52633 -11.7 2.8 -81.8 51.7
27 -10.156 -25.277 465.91410 -18.9 2.6 -80.9 47.5 ALT LAT LUN 2195-144-2-378

A\* B/A AZPHAZ INCO PHAZ EMIS ALPHA 22.71302 0.898 -93.6 67.9 41.5 28.6 25.8 23.45172 0.913 -90.2 66.2 47.6 24.1 17.4 22.18082 0.978 -85.5 64.4 53.2 14.2 10.8 22.78575 0.946 -85.1 65.9 47.8 19.7 17.7 23.46459 0.907 -84.7 67.5 42.5 25.9 24.8 24.21043 0.874 -90.2 67.9 42.2 29.6 24.6 25.00045 0.833 -95.6 68.3 42.5 34.4 23.2 24.22638 0.873 -95.2 66.6 47.9 29.7 16.1 23.51300 0.906 -94.7 65.0 53.3 26.1 9.0 22.79835 0.945 -90.1 64.6 53.0 19.7 10.4 22.18082 0.978 -85.5 64.4 53.2 14.2 10.8 20.06832 0.972 -82.2 62.8 58.9 5.3 3.8 21.65595 0.998 -81.6 64.1 53.7 10.8 10.4 22.27792 0.970 -80.8 65.6 48.4 17.3 17.2 22.93404 0.932 -80.0 67.2 43.1 24.1 24.0 23.69866 0.887 -79.0 68.9 38.0 30.9 30.9 24.30232 0.862 -84.1 69.2 37.2 32.6 31.9 25.10388 0.827 -90.2 69.7 36.9 35.7 31.9 26.05110 0.784 -96.2 70.2 37.2 32.6 31.9 26.05110 0.784 -96.2 70.2 37.2 32.6 31.9 26.05110 0.784 -96.2 70.2 37.2 39.9 30.5 27.13175 0.825 -100.1 67.1 48.6 35.9 13.6 24.35107 0.859 -99.3 6.4 53.5 83.2 86.7 23.67303 0.887 -98.6 63.8 59.0 31.1 -0.1 22.89575 0.933 -94.4 63.5 58.5 24.1 2.2 22.22981 0.972 -90.1 63.2 58.4 17.2 3.5 21.54244 (1.995 -85.9 62.9 58.5 10.6 4.0 20.60832 0.972 -82.2 62.8 58.9 5.3 3.8 SCALE 0-17-0.
0-159-58726 1-2
68-49829 2-3
40-19722 3-4
49-37491 4-5
49-81220 5-6
53-69065 6-7
53-09685 7-8
49-38002 8-9
49-98853 9-10
46-70607 10-11
57-48049 11-12
42-78491 12-13
45-17528 13-14
48-19257 14-15
52-05266 15-16
42-45557 16-17
51-93178 17-18
56-29714 18-19
62-18138 19-20
61-43674 20-21
55-72310 21-22 61.43674 20-21 55.72310 21-22 51.47271 22-23 48.23988 23-24 52.62606 24-25 48.65313 25-26 45.55423 26-27

JULY 31,1964	13 HR	22 MIN 31	SEC 745	MS		TAB NO	161	ATL	AS PHOTO	NO	161	POD S	SEQUENCE NO	328
32,170			320 142	11.5										
TRAJECTORY D	DATA				SEC TO		ALT	LA		ON	R	٧	PTH	AZ
					197.	054	448,4081	1 -8.	127 -25	, 972	2183.863	2.383	-67.710 11	5.687
PHOTO DATA PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	4*			****				
1 -10.779 -2			-33.5	6.1	-83.1	48.5	23.14122		-93.6		PHAZ EMIS 41.6 28.5		SCALE 0.	PT-PT 0- 1
2 -11.561 -2		481.59084	-44.8	6.5	-82.3	45.2	22.88727		-90.1		47.6 24.1		57.90368	1- 2
	23.730	459.57910	-44.9	4.2	-81.0	45.2	21.64453				53.2 14.2	10.8	66.86310	2- 3
	22.220	470.16033	-58.6	5.8	-81.1	42.1	22.23708			65.9	47.8 19.7	17.8	45.09365	3- 4
	20.607	487.07589	-66.3	7.4	-81-1	39.1	22.91998				42.5 25.9	24.8	48.19336	
	20.369 20.088	499.53672 519.27728	-54.1 -44.8	8.3 9.4	-82.6 -84.3	42.2 45.2	23.62852		-90.2 -95.6		42.2 29.6	24.6	48.61526	5- 6
	21.845	499.86123	-35.5	7.3	-83.7	48.2	24.45610		-95.2		42.5 34.4	23.2 16.1	52.38219 51.81952	6- 7 7- 8
	23.478	487.57072	-23.4	5.2	-83.2	51.3	22.94325				53.3 26.1	9.1	48.14930	
	23.613	470.33367	-31.1	4.7	-82.1	48.3	22.24735		-90.1		53.1 19.8	10.4	48.76813	
	23.730	459.57910	-44.9	4.2	-81.0	45.2	21.64453		-85.5		53.2 14.2	10.8	45.57801	
	25.212 23.821	450.02773	-39.0	2.5	-80.2	45.4	20.10952				58.9 5.5	3.9	56.10075	
	22.352	454.88305 465.10564	-66.4 -75.2	3.9 5.3	-80.2 -80.0	43.8 39.3	21.13749 21.74010				53.7 10.9 48.4 17.3	10.5	41.75270 44.09315	
	20.786	481.39847	-79.2	6.7	-79.8	36.3	22.38122				43.1 24.1	24.1	47.03639	
16 -8.500 -1	19.095	504.60757	-81.6	8.0	-79.6	33.5	23.12643				38.0 30.9	30.9	50.78810	
17 -9.848 -1	18.861	511.24351	-71.1	8.9		36.2	23.71706	0.862	-84.1	69.2	37.2 32.5	31.9	41.43661	
	18-545	525.20395	-60.6	10.1		39.3	24.49915				36.9 35.6	31.8	50.67958	
	18.167 17.703	547.01942 578.19923	-51.8	11.5		42.3	25.42078				37.2 39.8	30.4	54.91439	
	19.748		-44.8 -37.7	13.3	-87.2 -86.1	45.2 48.1					38.2 44.8 43.3 39.9	27.6	60.59646 59.90024	
	21.605		-47.1	6.3	85.3	51.1					48.6 35.8	13.6	54.36689	
23 -14.942 -2	23.320	512.24803	-18.6	5.8	-84.5	54.2	23.75718		-99.3		53.8 32.8	6.8	20.23159	
24 -14.894 -2	24.928	505.06027	-6.8	3.4	-83.8	57.3	23.09204	0.888	-98.6		59.0 31.0	0.1	47.07193	
	25.014	481.47094	-8.7	3.1	-82.8	54.4	22.33738		-94.4		58.6 24.1	2.3	51.30326	
	25.090 25.158	464.93519 454.57840	-12.0 -19.4	2.8	-81.8 -81.0	51.5	21.68911				58.4 17.2	3.6	47.45758	
	25.212		-39.0	2.6	-80.2	46.8	21.02218		-85.9 -82.2		58.5 10.6 58.9 5.5	4.1 3.9	44.44651 36.70595	
									02.12	,	3017 313			_,
						TAB NO	162		AS PHOTO					
JULY 31,1964	13 HR	22 MIN 36	SEC 865			TAB NO							EQUENCE NO	
		22 MIN 36	SEC 865	MS	,		162	ATL	AS PHOTO	NO	162	POD S	EQUENCE NO	330
JULY 31,1964 TRAJECTURY D		22 MIN 36	SEC 865	MS	SEC TO	IMPACT	162 ALT	ATL.	AS PHOTO	NO ON	162 R	POD S	EQUENCE NO	) 330 AZ
		22 MIN 36	SEC 865	MS	,	IMPACT	162	ATL.	AS PHOTO	NO ON	162 R	POD S	EQUENCE NO	) 330 AZ
TRAJECTORY D PHOTO DATA PT LAT	LON	RANGE	AZS/C	MS AZN	SEC TO 191.	IMPACT 935 AZA	162 ALT 437.1110 A+	ATL 5 -8. 8/A	AS PHOTO  T L  180 -25	0 NO 0N .861 1NCO	R 2172.566 PHAZ EMIS	POD S 2.388	EQUENCE NO	) 330 AZ
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2	DATA LON 20.283	RANGE 483.22731	AZS/C -33.7	MS AZN 6.1	SEC TO 191. AZSUN -83.2	IMPACT 935 AZA 48.3	ALT 437.1110 A* 22.56806	ATL 5 -8. 8/A 0.898	AS PHOTO  T L  180 -25  AZPHAZ  -93.6	NO 0N .861 1NCD 67.9	R 2172.566 PHAZ EMIS 41.6 28.4	POD S 2.388 ALPHA 25.7	PTH -67.635 11 SCALE O.	AZ L5.670 PT-PT 0- 1
TRAJECTORY D  PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2	LON 20.283 22.905	RANGE 483.22731 469.68463	AZS/C -33.7 -44.9	MS AZN 6.1 6.5	SEC TO 191. AZSUN -83.2 -82.4	IMPACT 935 AZA 48.3 45.1	ALT 437.1110 A* 22.56806 22.32144	ATL 5 -8. 8/A 0.898 0.913	AS PHOTO T L 180 -25 AZPHAZ -93.6 -90.1	NO 0N .861 1NC0 67.9 66.3	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1	POD S 2.388 ALPHA 25.7 17.5	PTH -67.635 11 SCALE 0. 56.23442	AZ 15.670 PT-PT 0-1 1-2
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2	LON 20.283 22.005 23.647	RANGE 483.22731 469.68463 448.16758	AZS/C -33.7 -44.9 -45.0	MS AZN 6.1 6.5 4.3	SEC TO 191. AZSUN -83.2 -82.4 -81.0	IMPACT 935 AZA 48.3 45.1 45.1	ALT 437.1110 A* 22.56806 22.32144 21.10709	ATL 5 -8. 8/A 0.898 0.913 0.978	AS PHOTO T L 180 -25 AZPHAZ -93.6 -90.1 -85.5	NO 0N .861 1NC0 67.9 66.3 64.5	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3	POD S 2.388 ALPHA 25.7 17.5 10.9	PTH -67.635 11 SCALE 0. 56.23442 65.22300	AZ 15.670 PT-PT 0-1 1-2 2-3
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2	LON 20.283 22.005 23.647 22.174	RANGE 483.22731 469.68463 448.16758 458.53214	AZS/C -33.7 -44.9 -45.0 -58.6	MS AZN 6.1 6.5 4.3 5.8	SEC TO 191. AZSUN -83.2 -82.4 -81.0	IMPACT 935 AZA 48.3 45.1 45.1 42.1	ALT 437.1110 A* 22.56806 22.32144 21.10709 21.68708	ATL 5 -8. 8/A 0.898 0.913 0.978 0.946	AS PHOTO T L 180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1	NO 0N .861 1NC0 67.9 66.3 64.5 66.0	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7	POD S 2.388 ALPHA 25.7 17.5 10.9 17.8	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2	LON 20.283 22.005 23.647 22.174 20.600 20.368	RANGE 483-22731 469-68463 448-16758 458-53214 475-04659 487-20189	AZS/C -33.7 -44.9 -45.0	MS AZN 6.1 6.5 4.3	SEC TO 191. AZSUN -83.2 -82.4 -81.0	IMPACT 935 AZA 48.3 45.1 45.1	ALT 437.1110 A* 22.56806 22.32144 21.10709	ATL LA 5 -8. 8/A 0.913 0.913 0.978 0.946 0.907	AS PHOTO  T L  180 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1	NO 0N .861 1NCO 67.9 66.3 64.5 66.0	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3	POD S 2.388 ALPHA 25.7 17.5 10.9	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.00817	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2	LON 20.283 22.005 23.647 22.174 20.600 20.368 20.095	RANGE 483-22731 469-68463 448-16758 458-53214 475-04659 487-20189 506-41309	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8	AZN 6.1 6.5 4.3 5.8 7.4	SEC TO 191. AZSUN -83.2 -82.4 -81.0 -81.1 -81.1 -82.6 -84.3	IMPACT 935 AZA 48.3 45.1 45.1 42.1 39.1 42.2 45.1	ALT 437-1110 A* 22-56806 22-32144 21-10709 21-68708 22-35390 23-04508 23-85024	ATL 5 -8. 8/A 0.898 0.913 0.978 0.946 0.946 0.946 0.946	AS PHOTO  T L  180 -25  AZPHAZ  -93.6  -90.1  -85.5  -84.7  -90.2  -95.6	NO 0N .861 1NCO 67.9 66.3 64.5 66.0 67.5 67.9 68.3	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7 42.5 26.0 42.2 29.6	POD S V 2.388 ALPHA 25.7 17.5 10.9 17.8 24.8 24.6 23.2	FEQUENCE NO PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105	AZ L5.670 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTURY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.152 -2 8 -13.152 -2	LON 20.283 22.005 23.647 22.174 20.600 20.368 20.095 21.808	RANGE 483-22731 469-68463 448-16758 458-53214 475-04659 487-20189 506-41309 487-46975	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -35.6	AZN 6.1 6.5 4.3 5.8 7.4 8.3	SEC TO 191. AZSUN -83.2 -82.4 -81.1 -81.1 -82.6 -84.3	IMPACT 935 AZA 48.3 45.1 45.1 42.1 39.1 42.2 45.1 48.0	ALT 437.1110 A* 22.56806 22.32144 21.10709 21.68708 22.35390 23.04508 23.85024 23.05557	ATL LA 5 -8. 8/A 0.898 0.978 0.946 0.907 0.874 0.873	AS PHOTO  T L  180 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.2 -95.6	NO ON .861 1NCO 67.9 66.3 64.5 66.0 67.5 67.9 68.3 66.7	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7 42.5 26.0 42.2 29.6 42.5 34.3 47.9 29.6	POD S 2.388 ALPHA 25.7 17.5 10.9 17.8 24.8 24.8 24.6 23.2 16.1	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843	AZ L5.670 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8
PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2	LON 20.283 22.005 23.647 22.174 20.600 20.368 20.095 21.808 23.400	RANGE 483-22731 469-68463 448-16758 458-53214 475-04659 487-20189 506-41309 487-46975 475-43853	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -35.6	AZN 6.1 6.3 5.8 7.4 8.3 9.4 5.2	SEC TO 191. AZSUN -83.2 -82.4 -81.0 -81.1 -81.1 -82.6 -84.3 -63.3	IMPACT 935 AZA 48.3 45.1 42.1 39.1 42.2 45.1 45.1	ALT 437.1110 A* 22.56806 22.32144 21.10709 21.68708 22.35390 23.04508 23.05557 22.37233	ATL  LA 5 -8.  B/A 0.898 0.913 0.978 0.906 0.907 0.874 0.833 0.873 0.906	AS PHOTO T L 180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.2 -95.6 -95.2 -95.6	NO ON .861 1NCD 67.9 66.3 64.5 66.0 67.5 67.9 68.3 66.7 65.1	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 47.9 19.7 42.5 26.0 42.5 34.3 47.9 29.6 42.5 34.3 47.9 29.6	POD S v 2.388 ALPHA 25.7 17.5 10.9 17.8 24.8 24.6 23.2 16.1	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2	LON 20.283 22.005 23.647 22.174 20.600 20.368 20.095 21.808 23.400 23.532	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 487.46975 475.43853	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -35.6 -23.6	AZN 6.1 6.5 4.3 7.4 8.3 9.4 7.3 24.7	SEC TO 191. AZSUN -83.2 -82.4 -81.0 -81.1 -81.1 -84.3 -83.8 -83.8	IMPACT 935 AZA 48.3 45.1 45.1 42.1 42.2 45.1 48.0 51.0 48.1	ALT 437.1110 22.56806 22.32144 21.10709 21.68708 22.35390 23.04508 23.85024 23.05557 22.37233 21.69517	ATL  LA 5 -8.  8/A 0.898 0.913 0.978 0.946 0.907 0.874 0.833 0.873 0.906 0.945	AS PHOTO T L 180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.2 -95.6 -95.2 -94.7 -90.1	NO 0N .861 1NCO 67.9 66.3 64.5 66.0 67.5 67.9 68.3 66.7 65.1	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7 42.5 26.0 42.5 26.0 42.5 34.3 47.9 29.6 53.3 26.1 19.8	POD S V 2.388 ALPHA 25.7 17.5 17.8 24.6 23.2 16.1 210.5	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514 47.54548	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.152 -2 11 -10.115 -2 11 -10.115 -2	LON 20.283 22.005 23.647 22.174 20.600 20.368 20.095 21.808 23.400 23.532 23.400	RANGE 483-22731 469-68463 448-16758 458-53214 475-04659 487-20189 506-41309 487-46975 475-43853	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -35.6 -23.6 -23.6	AZN 6.1 6.3 5.8 7.4 8.3 9.4 5.2	SEC TO 191. AZSUN -83.2 -82.4 -81.0 -81.1 -81.1 -82.6 -84.3 -63.3	IMPACT 935 AZA 48.3 45.1 42.1 39.1 42.2 45.1 45.1	ALT 437.1110 A* 22.56806 22.32144 21.10709 21.68708 22.35390 23.04508 23.05557 22.37233	ATL  LA 5 -8.  8/A 0.898 0.913 0.978 0.976 0.9874 0.873 0.873 0.978 0.946	AS PHOTO T L 180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.2 -95.6 -95.1 -95.5 -95.1 -95.5	NO 0N .861 1NCO 67.9 66.3 64.5 66.0 67.9 68.3 66.7 65.1 64.8	162 R 2172.566 PHAZ EMIS. 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7 42.5 26.0 42.2 29.6 42.5 34.3 47.9 29.6 53.3 26.1 53.1 19.8 53.2 14.3	POD S  V 2.388  ALPHA 25.7 17.5 10.9 17.8 24.8 24.8 24.6 216.1 9.2 10.5	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514 47.54548	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 7-8 8-9 9-10
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 9 -13.143 -2 9 -13.143 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2	DATA  LON 20.283 22.005 23.647 22.174 20.600 20.368 20.095 21.808 23.532 23.647 225.093	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 506.41309 487.46975 475.43853 458.65964 448.16758 438.76289	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -35.6 -23.6 -31.3 -45.0 -66.3	MS AZN 6.1 6.5 4.3 5.8 8.3 9.4 7.3 2.5 4.7	SEC TO 191.  AZSUN -83.2 -82.4 -81.0 -81.1 -82.6 -84.3 -82.1 -81.0 -80.2 -80.2 -80.2 -80.2	IMPACT 935 AZA 48-3 45-1 42-1 39-1 45-1 48-0 51-0 48-1	ALT 437.1110 A* 22.56806 21.10709 21.68708 22.35390 23.04508 23.05557 22.37233 21.69517 21.10709	ATL  LA 5 -8.  8/A 0.898 0.913 0.978 0.946 0.907 0.873 0.873 0.906 0.945 0.972	AS PHOTO  T L 180 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.2 -95.6 -95.2 -94.7 -90.1 -84.7 -90.2	NO 0N .861 1NC0 66.3 64.5 66.0 67.5 67.9 68.3 66.7 65.1 64.8 64.8	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7 42.5 26.0 42.5 26.0 42.5 34.3 47.9 29.6 53.3 26.1 19.8	POD S V 2.388 ALPHA 25.7 17.5 17.8 24.6 23.2 16.1 210.5	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514 47.54548	AZ 15.670 PT-PT 0-11-22-3 3-45-5-66-7 7-88-9 9-10
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2	LON 20.283 22.905 23.647 22.174 20.600 20.368 20.495 21.808 23.400 23.532 23.532 23.647 25.093 223.736	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 606.41309 487.46975 475.43853 458.65964 448.16758 448.76289 443.56255	AZS/C -33.7 -44.9 -58.6 -58.6 -66.3 -54.2 -44.8 -33.6 -23.6 -23.6 -39.6 -66.3 -75.0	MS AZN 6.1 6.5 5.8 7.4 8.3 5.2 4.7 4.3 2.5 3.9	SEC TO 191.  AZSUN -83.2 -82.4 -81.1 -82.6 -84.3 -83.3 -82.1 -81.0 -80.2 -80.2 -80.2 -80.2	IMPACT 935 AZA 48-3 45-1 42-1 39-1 42-2 48-0 51-0 145-3 45-3 43-4	ALT 437.1110 A. 6806 22.32144 21.10709 21.68708 22.35390 23.85024 23.05557 22.37233 21.69517 21.10709 19.60979 20.61765 21.20106	ATL  LA 5 -8.  B/A 0.898 0.913 0.946 0.907 0.874 0.906 0.945 0.945 0.978 0.972 0.998	AS PHOTO  T L5 180 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -90.2 -95.6 -95.6 -95.5 -82.2 -81.8	NO 0N .861 1NCO 67.9 66.3 64.5 66.0 67.5 66.7 65.1 64.8 64.5 63.0 64.3	R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 45.2 14.3 47.9 19.7 42.5 26.0 42.5 26.0 42.5 34.3 53.2 14.3 53.2 14.3 53.2 14.3 53.3 19.8 53.7 11.0	POD S V 2.388 ALPHA 25.7 17.5 10.9 24.8 24.6 23.2 10.5 10.9 4.0 10.9	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.0817 47.41521 51.07120 50.53843 46.96514 47.54548 44.4759 54.71766 40.71823 43.00801	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2 15 -8.885 -2	LON 20.283 22.005 23.667 22.174 20.600 20.368 20.368 20.368 20.368 20.365 21.808 23.532 23.647 23.736 22.303 23.736	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 506.41309 487.46975 475.43853 458.65964 448.16758 438.76289 431.76289 431.57691	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -33.6 -23.6 -31.3 -45.0 -39.6 -66.3 -79.1	MS AZN 6.15 4.3 5.8 7.4 7.3 9.4 7.2 4.7 4.3 5.2 4.7 4.3 6.1	AZSUN 191.  AZSUN -83.2 -82.4 -81.0 -81.1 -82.6 -84.3 -83.8 -83.8 -83.0 -80.2 -80.2 -80.2 -80.0 -79.8	IMPACT 935 AZA 48-3 45-1 42-1 39-12 45-1 48-0 48-1 45-3 43-7 39-4	ALT 437.1110 ALT 22.56806 22.32144 21.10709 21.68708 23.355390 23.65024 23.05557 22.37233 21.09517 21.10709 19.60979 20.61765 21.20106 21.82705	ATL  LA 5 -8.  B/A 0.898 0.918 0.978 0.945 0.873 0.906 0.972 0.978 0.972 0.978 0.970	AS PHOTO  T L 180 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.2 -95.6 -95.2 -94.7 -90.1 -85.5 -82.2 -81.6 -80.8	NO 0N .861 1NCO 67.9 66.3 64.5 67.9 68.3 66.7 65.1 64.5 63.0 64.3 65.7 67.2	162 R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 47.9 19.7 42.5 26.0 42.5 29.6 42.5 34.3 47.9 29.6 53.3 26.1 53.1 19.8 53.2 14.3 58.9 5.6 53.7 11.0 48.4 17.4 48.4 17.4 48.4 17.4	POD S V 2.388 ALPHA 25.7 17.5 10.9 17.8 24.8 23.2 16.1 10.5 10.5 10.6 17.3 24.1	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.40515 50.53843 46.96514 47.54544 47.54544 47.1766 40.71823 43.00801 45.87684	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2 15 -8.685 -2 16 -8.556 -1	LON 20.283 22.005 23.647 20.368 20.368 20.368 20.368 23.450 23.532 23.647 22.509 23.736 23.736 23.736 23.736	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 487.46975 475.43853 458.65964 448.16758 438.76289 443.56255 438.76289 443.56255	AZS/C -33.7 -44.9 -58.6 -66.3 -54.8 -35.6 -31.3 -45.0 -39.6 -66.3 -75.0 -79.1	MS AZN 6.1 6.3 5.8 7.4 7.3 2.5 2.5 5.3 6.0	SEC TO 191.  AZSUN -83.2 - 82.4 - 81.1 - 81.1 - 82.6 - 83.3 - 82.1 - 81.2 - 80.2 - 80.2 - 80.2 - 79.8 - 79.5	IMPACT 935 AZA 48-3 45-11 45-11 42-1 48-0 51-0 145-3 7 39-4 33-4 33-6	ALT 437-1110 22-56806 22-32144 21-10709 21-68708 22-35739 23-04508 23-04508 23-05557 22-37233 21-69517 21-10709 20-61765 21-20706 21-82705 22-52289	ATL  LA  5 -8  0.898  0.913  0.946  0.907  0.874  0.873  0.945  0.978  0.978  0.979  0.978  0.970  0.998	T L 180 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -95.6 -95.2 -94.7 -90.1 -85.2 -94.7 -90.1 -80.8 -80.0	NO NO NO NO NO NO NO NO NO NO	162  R 2172.566  PHAZ EMIS 41.6 28.4 47.6 24.1 45.6 24.1 47.9 19.7 42.5 26.0 42.5 24.3 47.9 29.6 53.3 26.1 53.1 19.8 53.2 14.3 53.7 11.0 43.1 24.1 38.0 30.9	POD S  V 2.388  ALPHA 25.7 10.9 17.8 24.6 23.2 16.1 9.2 10.9 4.0 10.9 17.3 24.1	PTH -67.635 11  SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514 47.34548 44.4759 47.1766 40.71823 43.00801 45.87684	AZ 15.670 PT-PT 0-1 1-23 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 11 -10.115 -2 11 -8.808 -2 14 -8.802 -2 15 -8.805 -2 16 -8.556 -1 17 -9.871 -1	LON 20.283 22.005 23.667 22.174 20.600 20.368 20.368 20.368 20.368 20.365 21.808 23.532 23.647 23.736 22.303 23.736	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 506.41309 487.46975 475.43853 458.65964 448.16758 438.76289 431.76289 431.57691	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -33.6 -23.6 -31.3 -45.0 -39.6 -66.3 -79.1	MS AZN 6.15 4.3 5.8 7.4 7.3 9.4 7.2 4.7 4.3 5.2 4.7 4.3 6.1	AZSUN 191.  AZSUN -83.2 -82.4 -81.0 -81.1 -82.6 -84.3 -83.8 -83.8 -83.0 -80.2 -80.2 -80.2 -80.0 -79.8	IMPACT 935 AZA 48-3 45-1 42-1 39-12 45-1 48-0 48-1 45-3 43-7 39-4	ALT 437.1110 ALT 22.56806 22.32144 21.10709 21.68708 23.355390 23.65024 23.05557 22.37233 21.09517 21.10709 19.60979 20.61765 21.20106 21.82705	ATL  LA 5 -8.  B/A 0.898 0.913 0.978 0.946 0.907 0.873 0.908 0.908 0.909 0.972 0.988 0.972 0.9887 0.932 0.887 0.868	T L 180 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -95.6 -95.2 -95.6 -95.2 -94.7 -90.1 -80.0 -80.0	NO 0N .861 1NCO 67.9 66.3 66.0 67.9 68.3 66.7 65.1 64.5 63.0 64.5 63.0 64.5 65.7 67.2 68.2	162 R 2172.566 PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 53.2 14.3 42.2 29.6 42.5 34.3 47.9 29.6 53.3 26.1 53.1 19.8 53.2 14.3 53.7 11.0 48.4 17.4 48.4 17.4 38.0 30.9 37.2 32.5	POD S  V 2.388 ALPHA 25.7 17.5 10.9 17.8 24.8 24.6 23.2 10.5 10.9 10.6 17.3 24.1 30.8	PTH -67.035 11 SCALE 0. 56.23442 65.22340 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514 47.54548 44.44759 54.717684 49.52049 40.41468	AZ 15-670 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15 15-16
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2 15 -8.685 -2 16 -8.556 -1 17 -9.971 -1 18 -11.475 -1 19 -13.205 -1	DATA  LON 20.283 22.005 22.305 22.174 20.600 20.368 23.400 23.532 23.364 25.093 23.736 22.303 20.775 18.898 18.599	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 506.41309 487.46975 475.43853 458.65964 448.16758 443.56255 453.57491 492.09479 498.59445 512.20484	AZS/C -33.7 -445.0 -58.6 -66.3 -54.2 -44.8 -35.6 -23.6 -31.3 -45.0 -79.1 -81.4 -71.1	MS AZN 6.5 4.3 7.4 8.3 5.2 4.3 5.2 4.3 5.3 6.7 4.3 10.1 11.5	SEC TO 191.  AZSUN -83.2 -82.4 -81.0 -81.1 -81.6 -84.3 -83.8 -82.1 -81.0 -80.2	IMPACT 935 A8-A 45-1 45-1 39-1 42-1 48-0 48-1 45-1 45-3 43-4 36-4 36-3 39-3	ALT 437-1110 22-56806 22-32144 21-10709 21-08708 22-35390 23-04508 23-355024 23-355024 23-355024 23-355024 23-355024 23-355024 23-355024 23-355024 23-355024 23-355289 23-355289 23-35282 24-3889284 24-78892	ATL  LA 5 -8.  B/A 0.898 0.913 0.978 0.946 0.907 0.874 0.873 0.906 0.972 0.972 0.997 0.972 0.982 0.982 0.786	T L 180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -95.2 -95.6 -95.2 -94.7 -90.1 -85.5 -84.7 -90.1 -85.5 -80.8 -90.8 -90.9	NO ON .861 1NCO 67.9 66.3 64.5 66.7 65.1 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64.5	162  R 2172.566  PHAZ EMIS 41.6 28.4 47.6 24.1 47.9 19.7 42.5 26.0 42.5 34.3 47.9 29.6 53.3 26.1 53.2 14.3 58.9 5.6 53.7 11.0 48.4 17.4 38.0 30.9 35.6 36.9 35.6 37.2 39.7	POD S  V 2.388  ALPHA 25.7 10.9 17.8 24.6 23.2 16.1 9.2 10.9 4.0 10.9 17.3 24.1	PTH -67.635 11  SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514 47.34548 44.4759 47.1766 40.71823 43.00801 45.87684	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.172 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2 15 -8.685 -2 15 -9.685 -1 17 -9.971 -1 18 -11.475 -1 19 -13.205 -1 20 -15.104 -1	LON 20-283 22-005 23-647 22-174 20-600 20-368 20-095 21-808 23-530 23-532 23-647 22-303 23-736 22-303 23-736 8-898 8-898 8-898 8-898 8-898 8-898	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 506.41309 487.46975 458.65964 448.16758 438.76289 443.56255 453.57491 494.59445 512.20484 533.42160	AZS/C -33.7 -44.0 -58.6 -66.3 -54.2 -44.8 -31.6 -31.6 -66.3 -79.0 -79.1 -81.4 -71.1	MS AZN 6.1 6.5 5.8 7.4 8.9 4.7 2.5 3.9 6.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8	AZSUN -81.0 -82.4 -81.0 -81.1 -81.1 -81.1 -81.1 -81.1 -81.1 -81.2 -80.2 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0 -80.2 -80.0	IMPACT 935 AZA 48-3 45-1 42-1 42-1 48-0 948-1 45-1 336-4 336-3 342-3 45-1	ALT 437.1110 ALT 22.56806 22.32144 21.10709 21.68708 22.355390 23.05507 23.05507 23.05507 21.10709 19.60979 20.61765 21.20106 21.82705 21.20106 21.82705 22.55289 23.13026 23.89284 24.78892 25.86125	ATL  LA 5 -8.  8/A 0.898 0.913 0.978 0.978 0.907 0.873 0.873 0.942 0.998 0.972 0.998 0.970 0.932 0.887	T L 180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.2 -95.6 -95.6 -95.6 -94.7 -90.1 -85.5 -82.2 -91.7 -90.1 -80.8 -80.8 -80.8 -80.8 -80.8	0 NO 0 NO 0 NO 0 NO 0 NO 0 NO 0 NO 0 NO	162  R 2172.566  PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7 42.5 26.0 42.2 29.6 53.3 26.1 53.1 19.8 53.2 14.3 58.9 5.6 53.7 11.0 48.4 17.4 43.1 24.1 38.0 30.9 37.2 32.5 37.2 39.7 38.2 34.7	POD S V 2.388 ALPHA 25.7 17.5 10.9 17.8 24.6 23.2 16.1 9.5 10.5 10.6 17.3 130.8 31.8 30.8 31.8 30.5	PTH -67.635 11 SCALE 0. 56.23442 65.22300 43.98679 47.41521 51.07105 50.53843 46.96514 47.54548 44.44759 54.71766 40.71823 43.00801 45.87684 49.52049 40.41468 49.52049 40.41468 53.52940 59.01192	AZ .5.670 PT-PT 0-1 1-2 2-3 4-5 5-6 6-7 7-8 8-9 9-10 11-12-13 13-14-15-16 16-17 17-18 18-19 19-20
PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2 15 -8.685 -2 16 -8.556 -1 17 -9.871 -1 18 -11.475 -1 19 -13.205 -1 20 -15.104 -1 21 -14.989 -1	LON 20.283 22.005 23.647 22.174 20.600 20.368 20.095 21.808 23.532 23.647 25.093 23.532 23.647 25.093 23.755 21.808 23.755 21.808 23.775 23.647 25.093 21.775 21.808 21.775	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 487.46975 475.43853 458.65964 448.16758 448.16259 443.56259 443.56259 443.56259 453.57491 469.48077 498.59445 512.20484 512.20484 513.68501 563.68501 563.68501	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -35.6 -23.6 -31.3 -75.0 -79.1 -81.4 -71.1 -61.6 -51.6 -51.6 -71.1	AZN 6.1 6.3 5.8 7.3 5.2 4.7 2.5 3.3 6.0 8.9 10.1 11.5 110.8	SEC TO 191.  AZSUN 2-82-40-81-1-81-1-82-6-84-3-82-80-2-80-2-80-2-80-2-80-2-80-2-80-2	IMPACT 935 A8-A3 45-11 45-12 49-12 45-13 45-14 45-3 36-4 45-3 36-4 36-3 342-3 45-10	ALT 437-1110 22-56806 22-32144 21-10709 21-08708 22-35390 23-04508 23-355024 23-355024 23-355024 21-07917 21-10709 21-69517 21-10709 21-69517 21-69517 21-69517 21-69517 21-69517 21-69517 22-55289 23-55289 23-55289 24-76892 25-86125 24-76892 25-86125	ATL  LA 5 -8.  B/A 0.913 0.978 0.946 0.907 0.8873 0.906 0.978 0.977 0.862 0.9877 0.862 0.786 0.786 0.786	T L 180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -90.2 -95.2 -95.2 -94.7 -90.1 -85.5 -85.1 -90.2 -95.2 -91.6 -80.8 -80.0 -79.0 -84.1 -90.2 -102.1	NO ON .861 1NCO 66.3 66.5 66.7 66.9 66.7 64.8 66.7 64.8 65.7 66.8 69.2 69.2 69.2 68.8 69.2 68.8	162  R 2172.566  PHAZ EMIS 3.2 14.3 47.9 19.7 42.5 26.0 42.5 34.3 47.9 29.6 53.3 26.1 53.2 14.3 53.2 14.3 53.2 14.3 53.2 14.3 53.2 14.3 53.9 5.6 53.7 11.0 43.1 24.1 38.0 30.9 35.6 53.7 38.2 44.3 37.2 39.7 38.2 44.7	POD S 2.388 ALPHA 25.7 10.9 17.8 24.8 24.6 23.2 10.5 10.9 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	PTH -67.635 11  SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514 47.54548 44.44759 47.11823 43.00801 45.87684 49.52049 40.41468 49.52049 40.41468	AZ 15.670 PT-PT 0-11-22-33-4-55-66-77-88-99-10 10-11-1212-13113-14-1515-166-1717-18
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 11 -10.115 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2 15 -8.685 -2 15 -8.685 -2 15 -9.956 -1 17 -9.871 -1 18 -11.475 -1 19 -13.205 -1 20 -15.104 -1 21 -14.989 -1 22 -14.989 -1	LON 20.283 22.405 23.647 22.174 20.405 21.808 23.402 23.647 23.532 23.647 23.736 22.736 23.736 23.736 23.736 23.736 23.736 23.736 23.736 23.736 23.736 23.736 23.736 23.736	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 506.41309 487.46975 475.43853 458.65964 448.16758 438.76289 443.56255 453.57491 469.48077 492.09479 498.59445 533.42160 533.87413	AZS/C -33.7 -44.9 -58.6 -66.3 -54.2 -44.8 -31.3 -45.0 -39.6 -60.3 -79.1 -81.4 -71.1 -60.6 -51.9 -44.8	AZN 6.1 6.5 4.7 5.8 7.4 3.3 5.8 8.3 9.4 4.7 7.2 2.5 3.9 3 6.7 7.8 0.0 10.1 11.3 2.2 10.8 8.3	SEC TO. 191. AZSUN -81.083.282.4 -81.081.1 -81.1 -81.1 -81.2 -80.2 -80.2 -80.0 -79.5 -81.0 -82.8 -83.3 -82.1 -80.2 -80.2 -80.8 -79.5 -81.8 -80.2	MPACT  A8-3  A8-1-1-1-1-2  45-1-0  518-0  518-0  45-1-3  36-6  336-6  336-6  336-6  345-0  450-9	ALT 437.1110 ALT 22.56806 22.32144 21.10709 21.68708 22.355390 23.85024 23.05557 22.37233 21.69517 21.10709 19.60979 20.61765 21.20106 21.82705 21.55289 23.89284 24.78892 25.86125 24.80312 23.89284	ATL  LA 5 -8.  8/A 0.898 0.913 0.978 0.946 0.907 0.873 0.906 0.972 0.978 0.972 0.982 0.827 0.786 0.786 0.786 0.786	T L 180 -25 AZPHAZ -93.6 -93.6 -95.5 -85.1 -84.7 -90.2 -95.6 -95.2 -94.7 -90.1 -85.5 -82.2 -94.7 -90.1 -85.5 -82.2 -91.6 -80.8 -80.0 -79.0 -90.2 -90.2 -90.2	NO ON .861 1NC0 67.9 66.3 66.0 67.9 68.3 66.1 64.8 64.3 64.3 65.1 70.8 68.8 69.2 69.6 68.8 68.8 68.8 68.8	162  R 2172.566  PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7 42.5 26.0 42.5 34.3 26.1 53.1 19.8 53.2 14.3 58.9 5.6 53.3 16.1 53.8 17.4 43.1 24.1 38.0 30.9 37.2 39.7 37.2 39.7 43.3 39.8 44.7 43.3 39.8	POD S  2.388  ALPHA 25.7  17.5  10.9  24.6  23.2  10.5  10.9  4.0  17.3  24.1  30.8  31.8  31.8  32.5  20.5	PTH -67.635 11  SCALE 0. 56.23442 65.22300 43.98679 47.41521 51.07105 50.53843 46.96514 47.554548 44.44759 54.71766 40.71823 43.00801 45.87684 49.52049 40.41468 49.42410 53.52940 59.01192 58.36198 53.00741	AZ .5.670 PI-PI 0- 1- 2 2- 3 3- 4 5- 5 6- 7 7- 8 8- 9 9-10 12-13 13-14 14-15 15-16 16-17 17-18 18-19 20 21-22 22-22
PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2 15 -8.685 -2 16 -8.556 -1 17 -9.871 -1 18 -11.475 -1 19 -13.205 -1 20 -15.104 -1 21 -14.989 -1 22 -14.902 -2 23 -14.837 -2	LON 20.283 22.005 23.647 22.174 20.600 20.368 20.095 21.808 23.532 23.647 25.093 23.532 23.647 25.093 23.755 21.808 23.755 21.808 23.775 23.647 25.093 21.775 21.808 21.775	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 487.46975 475.43853 458.65964 448.16758 448.16259 443.56259 443.56259 443.56259 453.57491 469.48077 498.59445 512.20484 512.20484 513.68501 563.68501 563.68501	AZS/C -33.7 -44.9 -45.0 -58.6 -66.3 -54.2 -44.8 -35.6 -23.6 -31.3 -75.0 -79.1 -81.4 -71.1 -61.6 -51.6 -51.6 -71.1	AZN 6.11 6.5 4.3 5.8 7.3 5.2 4.3 2.5 3.9 6.1 11.5 11.5 11.5 11.5 11.5 11.5 11.5	SEC TO 191. AZSUN2 -82-82-82-82-82-82-82-82-82-82-82-82-82-	MPACT 48-11 45-11 45-11 45-14 45-13 36-3 36-3 36-3 36-3 36-3 36-3 36-3 3	ALT 437-1110 22.56806 22.32144 21.10709 21.68708 22.35390 23.04508 23.30557 22.37233 21.69517 21.10709 20.61765 21.20106 21.82705 22.55289 23.13026 23.89284 24.78892 25.86125 24.880312 23.91726	ATL  LA 5 -8.  B/A 0.913 0.978 0.945 0.945 0.978 0.977 0.8624 0.786 0.786 0.786 0.786 0.786 0.786 0.786 0.786	T L 180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -90.2 -95.2 -95.2 -94.7 -90.1 -85.5 -84.7 -90.2 -94.7 -90.1 -80.8 -80.0 -79.0 -84.1 -90.2 -81.6 -80.0 -79.0 -84.1 -90.2 -94.1 -90.2 -94.1 -90.2 -94.1 -90.2 -90.1 -90.2 -90.1 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.3 -90.2 -9	NOON .861 1NCO 67.9 66.3 66.3 66.3 65.1 66.3 65.7 65.8 69.2 68.8 69.2 68.8 67.1 68.8 6	162  R 2172.566  PHAI EMIS 3.2 14.3 47.9 19.7 42.5 26.0 42.2 29.6 42.5 34.3 3 26.1 53.2 14.3 53.2 14.3 53.2 14.3 53.2 14.3 53.2 14.3 53.1 24.1 38.0 30.7 38.2 32.5 36.9 35.6 37.2 39.7 38.2 34.7 38.0 35.7 38.0 35.3 38.0 35.7	POD S  V 2.388 ALPHA 25.7 17.5 10.9 17.8 24.6 216.1 10.5 10.5 10.6 17.3 24.1 30.8 31.8 31.8 31.8 31.8 31.8 31.8	PTH -67.635 11  SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07105 50.53843 46.96514 47.54548 44.44759 54.71766 40.71823 43.00801 45.87684 49.42410 59.01192 58.36198 53.00741 48.98720	AZ .5.670 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 10 11-12 12-13 11-15 16-17 17-18 18-19 19-20 21 22-22 22-22 22-22
PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 10 -11.578 -2 11 -10.115 -2 12 -9.006 -2 13 -8.085 -2 14 -8.002 -2 15 -8.085 -2 16 -8.556 -1 17 -9.971 -1 18 -11.475 -1 19 -13.205 -1 20 -15.104 -1 21 -14.989 -1 22 -14.989 -1 22 -14.989 -1 22 -14.987 -2 23 -14.987 -2 24 -14.989 -2 23 -14.987 -2 24 -14.989 -2 25 -13.142 -2 25 -13.142 -2 25 -13.142 -2	LON 20.283 22.005 23.647 22.174 20.600 20.368 20.368 20.395 21.800 23.532 23.400 23.532 23.736 22.303 20.775 18.898 18.590 18.223 17.774 19.765 21.57	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 5075.43853 458.65964 448.16758 438.76289 443.56255 453.57491 469.48077 498.59445 533.42160 563.6850 533.87413 512.91813 499.42215 499.42215	AZS/C -33.7 -44.9 -58.6 -66.3 -54.8 -33.6 -23.6 -23.6 -31.3 -45.0 -39.6 -60.6 -70.1 -81.4 -71.1 -60.6 -51.9 -42.8 -71.8 -71.8 -71.8 -71.8 -71.8 -71.8 -71.8 -71.8 -71.8 -71.8 -71.9	MS AZN 6.16.5 6.5 6.5 7.4 8.7 7.4 7.3 2.5 5.3 6.7 0.8 9.9 11.5 11.5 11.5 11.5 11.5 11.5 11.5	SEC TO. 191. AZSUN -81.083.282.4 -81.081.1 -81.1 -81.1 -81.2 -80.2 -80.2 -80.0 -79.5 -81.0 -82.8 -83.3 -82.1 -80.2 -80.2 -80.8 -79.5 -81.8 -80.2	MPACT  A8-3  A8-1-1-1-1-2  45-1-0  518-0  518-0  45-1-3  36-6  336-6  336-6  336-6  345-0  450-9	ALT 437.1110 ALT 22.56806 22.32144 21.10709 21.68708 22.355390 23.85024 23.05557 22.37233 21.69517 21.10709 19.60979 20.61765 21.20106 21.82705 21.55289 23.89284 24.78892 25.86125 24.80312 23.89284	ATL  5 -8.  B/A 0.898 0.913 0.9746 0.907 0.874 0.833 0.978 0.975 0.978 0.972 0.887 0.972 0.882 0.786 0.736 0.736 0.786 0.786 0.786	T L180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -95.6 -95.6 -95.6 -95.6 -80.8 -80.8 -80.8 -80.8 -90.2 -102.1 -101.0 -99.3 -99.3	NO ON .861 1NC0 67.9 66.3 66.0 67.9 68.3 64.5 63.0 64.5 64.5 64.5 64.5 64.5 64.5 64.5 65.1 64.5 65.6 66.8	162  R 2172.566  PHAZ EMIS 41.6 28.4 47.6 24.1 53.2 14.3 47.9 19.7 42.5 26.0 42.5 34.3 26.1 53.1 19.8 53.2 14.3 58.9 5.6 53.3 16.1 53.8 17.4 43.1 24.1 38.0 30.9 37.2 39.7 37.2 39.7 43.3 39.8 44.7 43.3 39.8	POD S  2.388  ALPHA 25.7  17.5  10.9  24.6  23.2  10.5  10.9  4.0  17.3  24.1  30.8  31.8  31.8  32.5  20.5	PTH -67.635 11  SCALE 0. 56.23442 65.22300 43.98679 47.41521 51.07105 50.53843 46.96514 47.554548 44.44759 54.71766 40.71823 43.00801 45.87684 49.52049 40.41468 49.42410 53.52940 59.01192 58.36198 53.00741	AZ .5.670 PT-PT
TRAJECTORY D PHOTO DATA PT LAT 1 -10.772 -2 2 -11.542 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 8 -13.152 -2 9 -13.143 -2 11 -10.115 -2 11 -10.115 -2 12 -9.006 -2 13 -8.908 -2 14 -8.802 -2 15 -8.685 -2 15 -8.685 -1 17 -9.871 -1 18 -11.475 -1 19 -13.205 -1 20 -15.104 -1 21 -14.989 -1 22 -14.937 -2 23 -14.937 -2 24 -14.937 -2 25 -13.142 -2 26 -11.1616 -2 26 -11.1616 -2 26 -11.1616 -2 2	DATA  LON 20.283 22.405 23.647 20.600 20.368 20.095 21.808 23.400 223.647 25.093 23.4532 21.775 21.774 19.765 11.575 23.247 24.898	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 506.41309 487.46975 475.43853 458.65964 448.16758 438.76289 438.76289 438.76289 438.76289 543.57491 512.20484 533.4218 533.4218 533.4218 494.4218 494.4218 494.4218 494.4378 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388 494.4388	AZS/C -33.79 -44.9 -58.0 -66.3 -54.2 -44.8 -35.6 -23.6 -35.6 -35.0 -79.1 -60.6 -71.1 -60.6 -37.2 -44.8 -37.8 -37.8 -37.8 -37.8 -37.8 -37.8 -37.8 -37.8	AZN 6.16.5 4.3 8.3 4.7 7.4 2.5 3.9 10.11 13.2 13.2 13.2 13.2 3.4 3.1 3.1 3.1	SEC TO. 191. AZSUN81.081.181.181.183.383.381.080.2.	IMPA ARA A8-11-1-2 45-1-1-2 45-1-1-2 45-1-1-2 45-1-3 45-1-3 45-1-3 45-1-3 45-1-3 45-1-3 55-1-3 55-1-3 55-1-3 55-1-3	ALT 437.1110 22.56806 22.32144 21.10709 21.68708 23.05557 23.05557 23.05557 23.05557 23.05557 23.05557 23.05557 23.05557 23.05557 24.070106 21.070106 21.070106 22.55289 23.89284 24.78892 25.86125 24.78892 25.86125 24.78892 25.86125 22.51029 21.77808	ATL  LA 5 -8.  8/A 0.4938 0.9138 0.946 0.9707 0.8938 0.946 0.9707 0.987 0.978 0.9708 0.9708 0.9708 0.9708 0.9708 0.9708 0.9708 0.9708 0.9708 0.9708	T L180 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -95.6 -95.2 -94.7 -90.1 -85.5 -82.2 -94.7 -90.1 -85.2 -94.7 -90.1 -80.8 -80.8 -80.0 -79.0 -84.1 -90.2 -102.1 -101.0 -99.3 -98.6 -94.4	NO NO .861  INCO 66.3 64.5 66.7 67.9 68.3 66.7 2 69.6 69.2 69.2 69.6 69.2 69.6 69.2 69.6 63.0 63.7 65.8 65.1 66.8 69.2 69.6 63.0 63.7 67.8 68.3 69.2 69.6 63.7 67.8 68.3 69.2 69.6 63.7 67.8 68.3 69.2 69.6 63.7 67.8 63.7 67.8 63.7 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2	R 2172.566  PHAZ EMIS 41.6 28.4 47.6 24.1 47.6 24.1 47.9 19.7 42.5 26.0 42.5 34.3 47.9 29.6 53.3 26.1 53.1 19.8 53.2 14.3 58.9 5.6 53.7 11.0 48.4 17.4 38.0 30.9 38.9 35.6 53.7 11.0 48.4 35.7 38.2 44.7 38.0 30.9 38.6 35.7 53.8 32.7 38.2 44.7 53.8 32.7	POD S  2 .388  ALPHA 25.7 17.5 10.9 16.6 17.3 30.8 31.8 31.8 31.8 27.5 6.2 23.7	PTH -67.635 11  SCALE 0. 56.23442 65.22340 43.98679 47.40512 51.07105 50.53843 46.96514 47.54548 44.44759 54.717684 49.52049 40.41468 49.42410 59.316198 53.2940 59.316198 53.00741 48.98720 49.98029	AZ .5.670 PI-PI 1 - 2 2-3 3 - 4 4-5 5-6 7 7 8 8-9 10-11 11-12 12-13 13-14-15 15-16-17 17-18 18-19-20 22-23 24-22 24-22 24-22 24-22 5-26
PHOTO DATA PT LAT 1 -10.772 -2 2 -11.742 -2 3 -10.115 -2 4 -10.040 -2 5 -9.959 -2 6 -11.507 -2 7 -13.172 -2 11 -10.115 -2 11 -10.115 -2 11 -10.115 -2 11 -10.115 -2 12 -9.006 -2 13 -8.085 -2 14 -8.802 -2 15 -8.085 -2 16 -8.556 -1 17 -9.871 -1 18 -11.475 -1 19 -13.205 -1 20 -15.104 -1 11 -14.989 -1 22 -14.989 -1 22 -14.989 -1 22 -14.987 -2 23 -14.837 -2 25 -13.142 -2 26 -11.616 -2 27 -10.187 -2 27 -10.187 -2	DATA  LON 20.283 22.005 23.647 22.174 20.600 20.368 20.368 20.395 21.808 23.532 23.367 25.093 22.3736 22.303 20.775 18.898 18.590 18.223 17.774 19.765 21.575 23.247 24.8198 24.973	RANGE 483.22731 469.68463 448.16758 458.53214 475.04659 487.20189 5075.43853 458.65964 448.16758 438.76289 443.56255 453.57491 469.48077 498.59445 533.42160 563.6850 533.87413 512.91813 499.42215 499.42215	AZS/C -33.7 -44.9 -58.6 -66.3 -54.8 -35.6 -23.6 -23.6 -31.3 -45.0 -39.6 -66.3 -75.0 -79.1 -81.4 -71.1 -60.6 -51.9 -44.8 -37.8 -71.1	MS AZN 6.16.54.33 9.44.73.2.55.39 11.55.39 11.55.39 3.41.2.97 2.97	SEC TO 191. AZSUN2 -82-82-82-82-82-82-82-82-82-82-82-82-82-	IMPACT 935 AZ A 3 45.1 1 42.2 1 48.1 2 45.1 1 45.1 3 9.2 2 1 45.1 3 3 3 3 3 3 3 3 4 5 3 3 4 5 3 3 4 5 3 3 5 7 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	ALT 437-1110 22-56806 22-32144 21-10709 21-088708 22-35390 23-04508 23-365024 23-305557 21-10709	ATL  LA 5 -8.  8 /A 6 -8.  8 /A 0.918 0.918 0.918 0.907 0.874 0.907 0.874 0.976 0.977 0.802 0.978 0.982 0.786 0.786 0.786 0.786 0.786 0.786 0.887 0.786 0.887 0.903 0.903	AS PHOTO  T L 180 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -90.2 -95.2 -95.2 -94.7 -90.1 -85.5 -80.8 -80.0 -79.0 -84.1 -90.2 -96.2 -1001.0 -1001.0 -99.3 -98.6 -94.4 -90.1	NO N	162  R 2172.566  PHATZ EMIS S 41.6 28.4 47.6 24.1 45.6 24.1 45.6 24.1 45.9 29.6 42.5 24.6 47.9 29.6 53.3 26.1 47.9 29.6 53.3 12.1 53.2 14.3 53.2 14.3 53.2 14.3 53.2 14.3 53.9 36.9 37.2 39.7 38.2 24.7 38.2 39.7 38.2 39.7 38.2 39.7 38.2 39.7 38.2 39.7 59.0 30.9 58.6 24.0	POD S  V 2.388  ALPHA7 17.5 10.9 17.8 24.6 216.1 10.5 10.5 10.6 17.3 24.1 30.8 31.8 31.8 31.8 31.8 31.8 31.8 31.8 31	PTH -67.635 11  SCALE 0. 56.23442 65.22300 43.98679 47.00817 47.41521 51.07120 50.53843 46.96514 47.54548 44.4759 47.1766 40.71823 43.00801 45.87684 49.52049 40.41468 49.5214 59.5152 58.36198 53.00741 48.98720 45.90152 45.90152 45.90152 45.90152 45.90152 49.98029	AZ 15.670 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-22 21-22 23-24 25-26 2

					RA-VII	CAMERA	FA						82
JULY 31,196	4 13 HR	22 MIN 41 S	SEC 985	MS	1	AB NO	163	ATLA	S PHOTO	NO	163	POD S	EQUENCE NO 332
TRAJECTORY					SEC TO	1 M P A C T	AL T	LAT	LO	N	R	v	PTH AZ
					186.		425.79636					252 2.393	-67.559 115.652
PHOTO DATA PT LAT	LON	RANGE	AZS/C		AZSUN	AZA	A+					IS ALPHA	SCALE PT-PT
1 -10.766			-33.8 -45.0	6.1	-83.2 -82.4	48.2 45.0	21.99359 21.75426	0.899	-93.6 -90.1	67.9	41.7 28	.4 25.6 .2 17.6	0. 0- 1 54.57255 1- 2
2 -11.523 3 -10.132		436.73183	-45.2	4.3		45.0	20.56850	0.978	-85.5	64.6	53.2 14	.4 11.0	63.57827 2- 3
4 -10.058	-22.128	446.87679	-58.6	5.9		42.0	21.13580	0.945			47.9 19 42.5 26		42.87698 3- 4 45.81975 4- 5
5 -9.979 6 -11.489			-66.3 -54.2	7.4 8.3	-81.1 -82.6	39.2 42.1	21.78645	0.874			42.2 29		46.21219 5- 6
7 -13.111	-20.102	493.51931	-44.9	9.4	-84.3	45.0	23.24299	0.834			42.5 34		49.75751 6- 7 49.25420 7- 8
8 -13.091 9 -13.082	-21.771		-35.7 -23.8	7.3 5.2	-83.8 -63.3		22.46815	0.873	-95.l -94.7		53.3 26		45.77780 8- 9
10 -11.558	-23.452	446.96043	-31.5	4.7	-82.2	47.9	21.14179	0.945	-90.1	64.9	53.1 19	.8 10.6	46.32082 9-10
11 -10.132 12 -9.052	-23.564	436.73183	-45.2 -40.0	2.5	-81.0 -80.2		20.56850				53.2 14 58.9 5		43.31454 10-11 53.33122 11-12
12 -9.052 13 -8.956	-23.651		-66.2	4.0	-60.1	43.7	20.09649	0.999	-81.6	64.4	53.7 11	.0 10.7	39.68154 12-13
14 -8.852	-22.254	442.01874 457.53573	-74.9	5.4	-80.0 -79.8		20.66082		-80.6 -80.0		48.4 17		41.92007 13-14 44.71430 14-15
15 -8.738 16 -8.613	-19.159	479.55414	-81.3	8.1	-79.5	33.8	21.97808	0.887	-79.0	68.8	38.0 30	.8 30.8	48.25041 15-16
17 -9.894	-18.935	485.91562	-71.0	8.9	-B1.0		22.54208 23.28509	0.863	-84.1 -90.2		37.2 32 36.9 35		39.39012 16-17 48.16570 17-18
18 -11.457 19 -13.143	-18.636 -18.279	499.17519 519.79469	-60.6 -51.9	10.1	-82.8 -84.9		24.15571	0.787	-96.2	70.1	37.2 39	.7 30.3	52.14237 18-19
20 -14.991	-17-845	549.14727	-44.9	13.1	-87.1	45.1	25.19427	0.738			38.2 44		57.42838 19-20 56.82310 20-21
	-19.783 -21.544	520.17662 499.76375	-37.9 -29.3	10.7	-86.2 -85.4	47.9 50.7	24.16670 23.30379	0.827	-101.0		43.3 39	.7 13.7	51.64538 21-22
23 -14.732	-23.173	486.57416	-19.0	5.8	-84.7	53.6	22.56631	0.861	-99.3	65.5	53.8 32	.6 6.9	47.73995 22-23
		479.59774 457.34021	-7.3 -9.3	3.4 3.1	-84.0 -82.9	56.6 53.8	21.92773		-98.6 -94.4		59.0 30 58.6 24		44.72875 23-24 48.65725 24-25
	-24.856	441.69063	-12.8	2.9	-81.9	51.0	20.60481	0.972	-90.1	63.5	58.4 17	.2 3.8	45.06150 25-26
27 -10.202	-24.922	431.84674	-20.4 -40.0	2.7	-81.0 -80.2	46.4	19.97848		-85.9 -82.2		58.5 10 58.9 5		42.22523 26-27 34.87412 27-28
28 -9.052	-24.974	427.47894	-40.0	2.3									
JULY 31,196	64 13 HD	22 MIN 47	SEC 105	MS		TAB NO	164	ATL	AS PHOTO	NO	164	POD S	EQUENCE NO 334
•		22 1171 41	300 103					LA		ON		. v	PTH AZ
TRAJECTORY	Y DATA				SEC 10		ALT 414.4648						-67.483 115.634
PHOTO DATA		DANCE	AZS/C	476	AZSUN	AZA	۸.	8/4	A7DHA7	THE	PHAZ FI	IS ALPHA	SCALE PT-PT
PT LAT 1 -10.760	LON -20.310	RANGE 458.30199		6.1		48.0	21.41838	0.899	-93.6	67.9	41.7 28	.3 25.6	0. 0-1
2 -11.503	-21.920	445.80147	-45.1	6.5	-82.4	44.9	21.18641					.2 17.6	52.87745 1- 2 61.93232 2- 3
	-23.480	425.27975 435.20745	-45.3 -58.6	4.3 5.9	-81.0 -81.1	44.9 42.0	20.02915			66.1	47.9 1	.8 17.9	41.76637 3- 4
5 -10.000	-20.587	450.91983	-66.2	7.4	-81.0	39.2	21.21853	0.907	-84.7			0.0 24.8	44.63181 4- 5 45.00826 5- 6
	-20.366 -20.108	462.46218	-54.2 -45.0	8.3	-82.6 -84.3	42.1 44.9	21.87489				42.2 29		48.44429 6- 7
8 -13.030	-21.733	462.61831	-35.9	7.3	-83.8	47.7	21.88014	0.874	-95.1		47.9 2		47.97119 7- 8 44.59000 8- 9
	-23.244	451.10891	-24.0 -31.8	5.2 4.7		50.6 47.8	21.22742	0.907	-94.7 -90.1		53.3 2		45.09519 9-10
1 -10.149	-23.480	425.27975	-45.3	4.3	-81.0	44.9	20.02915	0.977	-85.5	64.7	53.2 1	11.1	42.17988 10-11
	-24.854	416.17907 420.86136	-40.6 -66.1	2.6 4.0		45.1 43.7	18.60774 19.57477			63.2	58.9 53.7 1	5.8 4.3 1.1 10.8	51.94294 11-12 38.64368 12-13
	-23.565 -22.204	430.44994	-74.7	5.4		39.4	20.11999	0.969	-80.8	65.8	48.4 1	7.5 17.4	40.83150 13-14
15 -8.791	-20.754	445.58215	-78.8	6.8		36.6	20.71577				43.2 2		43.55228 14-15 46.98307 15-16
16 -8.669 17 -9.917	-19.189 -18.971	467.01188	-81.2 -71.0	8.1 8.9		33.9 36.5	21.95378		-84.1	69.1	37.2 3	2.4 31.7	38.36546 16-17
18 -11.439	-18.680	486.14408	-60.6	10.1	-82.8	39.4	22.67728		-90.2	69-5	36.9 3 37.2 3		46.90743 17-18 50.75709 18-19
	-18.333 -17.913	506.17052 534.62186	-51.9 -44.9	11.4		42.2 45.0	23.52262 24.52786				38.2 4		55.85060 19-20
21 -14.770	-19.798	506.47824	-38.0	10.6	-86.2	47.7	23.53023	0.788	-101.0	68.6	43.3 3	9.6 20.6	55.29146 20-21 50.28590 21-22
	-21.513 -23.098	486.60105 473.71391	-29.5 -19.2	8.2 5.8		50.5 53.3	22.68993 21.96978				1 48.6.3 5 53.8 3		46.49291 22-23
	-24.583	466.84379	-7.5	3.4	-84.1	56.3	21.34451	0.890	-98.6	64.	59.0 3	0.8 0.5	43.55520 23-24
25 -13.019	-24.665	445.24764	-9.6 -13.2	3.1 2.9		53.5 50.7	20.65679				9 58.6 2 5 58.4 1		47.33435 24-25 43.86154 25-26
26 -11.572 27 -10.217	-24.737 -24.802	430.03989	-21.0	2.7	-81.0	46.3	19.45531	0.996	-85.9	63.	4 58.5 1	0.8 4.4	41.11185 26-27
	-24.854	416.17907	40.6	2.6	-80-2	_ 45.1	18_60774	0.972	-B2.2	63.	2.58.9	5.8 4.3	33.95583 27-28

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					RA-VI	I CAMERA	FA							83
JULY 31,1964	13 HR	22 MIN 52	SEC 225	MS		TAB NO	165	ATL	AS PHOTO	NO	165	POD S	SEQUENCE NO	336
TRAJECTORY DA	ATA					IMPACT	ALT	LA			R	v		12
PHOTO DATA					176	.575	403.1155	48.	342 -25	521	2138.57	2,503	-67-405 115	-615
PT LAT L	ON	RANGE	AZS/C		AZSUN	AZA	A+	B/A	AZPHAZ	INCD	PHAZ EMIS	AL PHA	SCALE P	T-PT
1 -10.753 -20 2 -11.483 -21	3.323	445.80620		6.1	-83.3		20.84210	0.899	-93.6	67.8	41.7 28.3	25.5	0.	0- 1
3 -10-165 -23	1.395	413-80650	-45.2 -45.5	6.5 4.3	-82.4 -81.1	44.8	20.61749				47.6 24.2 53.2 14.5		51.17070	
.4. <del>-</del> 10.095 -22	2.033_	423.51644	-58.6		-81.1				-85.1	66.1	47.9 19.9	11.2	60.28329 _40.65374	
5 -10.020 -20	579	438.83083	~66.2	7.4	-61.0	39.3	20.64964	0.907	-84.7	67.5	42.5 26.0	24.8	43.44234	
6 -11.451 -20 7 -12.987 -20	3.364	450.06632	-54.3 -45.1	8.3 9.3	-82.6	42.1	21-28857				42.2 29.5	24.6	43.80231	5- 6
8 -12.969 -21		450.16477	-36.0	7.3	-84.3 -83.9	47.6	22.02689				42.5 34.2 47.9 29.6			6- 7 7- 8
9 -12.959 -23	3.165	438.91502	-24.3	5.2	-83.5	50.3	20.65359	0.907	-94.7	65.3	53.3 26.0	9.5	43,40027	8- 9
10 -11 -516 -23	287.	_423.50647_			82.2		20.03240	0.945	90.1_	65.Q	53.1 19.9	10.8	43.86791	9-10
11 -10.165 -23 12 -9.142 -24	5.395 5.732	404-86092	-45.5 -41.1	4.3 2.6	-81.1 -80.2		19.48880 18.10552	0.977			53.2 14.5		41.04294 1	0-11
13 -9.051 -23		409.48358	-66.0	4.0	-60.1	43.6	19.05206				58.9 5.9 53.7 11.2	4.4	50.55200 1 37.60402 1	2-12
14 -8 952 -22		418.86098	-74.6	5.4	-80.0	39.4	19.57822	0.969	-80.8	65.9	48.4 17.5	17.4	39.74106 1	
15 -8.844 -20 16 -8.724 -19		433.60935	-78.7	6.8	-79.7	36.7	20.15902		-80.0	67.3	43.2 24.1	24.1	42.38886 1	
17 -9.939 -19	006	460.53524	-70.9		-79.4 -81.0	36.6	21.36465	0.888	-19 <u>-0</u>	68.6	38.0.30.8	30.8	45.71563 1 37.33906 1	
18 -11.420 -18	3.723	473.09531	-60.6		-82.8	39.4	22.06864				36.9 35.4	31.6	45.64760 l	
12 -13 017 -18	3.387	492.53141		11.3	-84.9		22.88884	0.789	-96.2	70.0	37.2 39.5	30.2	49.37158 1	8-19
20 -14.765 -17 21 -14.660 -19	1.982	520.08884		12.9	-87.1 -86.2	44.9	23.86110	0.741			38.2 44.3	27.4	54.27592 1	9-20
22 -14 -581 -21	481	473.42048	-29.6	8.2	-85.5	50.3					43.3 39.5	20.6	53.76274 2 48.92618_2	
23 -14.520 -23	3.023	460.83550	-19.4	5.8	-84.8	53.1	21.37240	0.863	-99.3	65.7	53.8 32.5	7.2	45.24438 2	
	.467	454.07333	-7.8	3.5	-84.2	55.9	20.76053				59.0 30.7	0.7	42.37997 2	3-24
	.618	433.13553	-9.9 -13.6	3.2 2.9	-83.1 -82.0	53.2 50.4	20.09484				58.6 23.9 58.4 17.3	2.8 4.1	46.01154 2	
27 -10.231 -24	-682	409.04038	-21.5	2.7		46.1	18.93119				58.5 10.8	4.6	42.66002 2	
28 -9-142 -24	732	404 84002	- 4 3 1	2 /										
		304.00034 .	4141	.2.0	-80.2	29.9	18.10552	0.973	-82.2	63.4	.58.9 5.9	4.4	33.03598 2	7-28
JULY 31,1964						TAB NO			-82.2 AS PHOTO				SEQUENCE NO	
JULY 31,1964 TRAJECTORY DA	13 HR			MS	SEC TO	TAB NO	166 ALT	ATL/	AS PHOTO	NO IN	166 R	POD S	SEQUENCE NO	338 Z
TRAJECTORY DA	13 HR	22 MIN 57	SEC 344	MS	SEC TO 171.	TAB NO	166	ATL/	AS PHOTO	NO IN	166 R	POD S	SEQUENCE NO	338 Z
TRAJECTORY DA PHOTO DATA PT LAT L	13 HR ATA .ON	22 MIN 57	SEC 344	MS AZN	SEC TO 171.	TAB NO IMPACT	ALT 391.7489	ATU LA1 0 ~8.3 B/A	AS PHOTO LO 19725. AZPHAZ	NO N 405 INCD	166 R 2127.204 PHAZ EMIS	POD S 2.408	PTH A67-327 115	338 Z _596. T-PT
TRAJECTORY DA PHOTO DATA PT LAT L 1 -10.747 -20	13 HR ITA .QN ).336	22 MIN 57  RANGE 433.28855	SEC 344 AZS/C -34.3	MS AZN 6-1	SEC TO 171. AZSUN -83.3	TAB NO IMPACT 455 AZA 47.6	ALT 391.7489	ATU LA1 0 ~8.3 B/A 0.899	AS PHOTO  197 -25.  AZPHAZ -93.6	NO IN 405 INCD 67.8	R 2127.204 PHAZ EMIS 41.8 28.2	POD S 2.408 ALPHA 25.5	PTH A67.327 115 SCALE P	338 Z =596. T-PT 0- 1
TRAJECTORY DA  PHOYO DATA  PY LAY L 1 -10-747 -20 2 -11-463 -21 3 -10-181 -23	13 HR ITA .QN 0.336 1.833	22 MIN 57  RANGE 433.28855 421.82981 402.30831	AZS/C -34.3 -45.3 -45.7	MS AZN 6-1 6-5 4-3	SEC TO 171. AZSUN -83.3 -82.4 -81.1	TAB NO IMPACT	ALT 391.7489	ATU LA1 0 ~8.3 B/A 0.899 0.912	AS PHOTO  197 -25.  AZPHAZ -93.6 -90.1	NO IN 405 INCD 67.8 66.4	R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2	POD S 2.408 ALPHA 25.5 17.7	PTH A67.327 115. SCALE P 0. 49.47549	338 Z =596. T-PT 0- 1 1- 2
TRAJECTORY DA  PHOTO DATA  PT LAT 1 -10 -747 -20 2 -11 -463 -21 3 -10 -181 -23 4 -10 -113 -21	13 HR LTA .QN 0.336 1.833 1.310	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702	AZS/C -34.3 -45.3 -45.7 -58.7	MS AZN 6-1 6-5 4-3 5-9	SEC TO 171. AZSUN -83.3 -82.4 -81.1	TAB NO IMPACT .455  AZA 47.6 44.7 44.6 41.9	ALT 391.7489 A* 20.26445 20.04717 18.94728 19.47657	ATL/ 0 ~8.3 8/A 0.899 0.912 0.977 0.944	AS PHOTO  LO  197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1	NO IN .405 INCD 67.8 66.4 64.9 66.2	R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9	POD S 2.408 ALPHA 25.5 17.7 11.3 18.0	PTH A-67.327 115 SCALE PO-49.47549 58.62942 39.53790	338 Z -596 T-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTORY DA  PHOTO DATA  PT LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20	13 HR .QN 0.336 1.833 1.310 1.986 0.571	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082	AZS/C -34.3 -45.3 -45.7 -58.7	MS AZN 6-1 6-5 4-3 5-9 7-5	SEC TO 171. AZSUN -83.3 -82.4 -81.1 -81.1	TAB NO IMPACT .455 AZA 47.6 44.7 44.6 41.9 39.3	ALT 391.7489 A• 20.26445 20.04717 18.94728 19.47657 20.07928	ATL/ 0 ~8.3 8/A 0.899 0.912 0.977 0.944 0.907	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7	NO IN 405 INCD 67.8 66.4 64.9 66.2 67.5	R 2127-204 PHAZ EMIS 41-8 28-2 47-6 24-2 53-2 14-6 47-9 19-9 42-5 26-0	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.8	PTH A-67.327 115 SCALE PO. 49.47549 58.62942 39.53790 42.24934	338 Z =596 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5
PHOYO DATA PT LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20	ON 0.336 0.833 0.310 0.986 0.571 0.362 0.118	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830	AZS/C -34.3 -45.3 -45.7 -58.7	MS AZN 6.1 6.5 4.3 5.9 7.5 8.3	SEC TO 171. AZSUN -83.3 -82.4 -81.1	TAB NO IMPACT .455  AZA 47.6 44.7 44.6 41.9 39.3 42.0	ALT 391.74890 A• 20.26445 20.04717 18.94728 19.47657 20.07928 20.07072	ATL/ 0 ~8.3 B/A 0.899 0.912 0.977 0.944 0.907 0.874	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1	NO IN .405 INCD 67.8 66.4 64.9 66.2 67.5 67.9	R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9 42.5 26.0 42.2 29.5	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.8 24.6	PTH A -67.327 115 SCALE P 0. 49.47549 58.62942 39.53790 42.24934 42.59317	338 Z = 596 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
PHOYO DATA PT LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21	13 HR  ON  0.336  .833  .310  .986  .571  0.362  .118	RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208	AZS/C -34.3 -45.3 -45.7 -58.7 -66.1 -54.3 -45.1	AZN 6.1 6.5 4.3 5.9 7.5 8.3 7.3	SEC TO 171. AZSUN -83.3 -82.4 -81.1 -81.0 -82.6 -84.6	TAB NO IMPACT .455  AZA 47.6 44.7 44.6 41.9 39.3 42.0 44.7 47.4	ALT 391.7489 20.26445 20.04717 18.94728 19.47657 20.07928 20.70072 21.41688 20.70070	ATL/ LA1 0 ~8.3 B/A 0.899 0.912 0.977 0.944 0.907 0.835 0.835	AS PHOTO  197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1 -95.6 -95.1	NO IN .405 INCD 67.8 66.4 64.9 66.2 67.5 67.9 68.3	R 2127-204 PHAZ EMIS 41-8 28-2 47-6 24-2 53-2 14-6 47-9 19-9 42-5 26-0	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.8	PTH A-67.327 115 SCALE P 0. 49.47549 58.62942 39.53790 42.24934 42.59317 45.81279	338 Z =596 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5
PHOTO DATA PT LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23	13 HR  ON  0.336  .833  .310  .986  0.571  .362  0.118  .656	22 MIN 57  RANGE 433.2895 421.82981 402.30831 411.79702 426.71082 437.638208 437.63830 454.74555 437.68208	AZS/C -344.3 -45.3 -45.7 -58.7 -66.1 -54.3 -45.1 -36.1	AZN 6.1 6.5 4.9 7.5 8.3 9.3 7.5 2	SEC TO 171. AZSUN -83.3 -82.4 -81.1 -81.0 -82.6 -84.4 -83.9	TAB NO  IMPACT .455  AZA 47.6 44.7 44.6 41.9 3.3 42.0 44.7 47.4 50.1	ALT 391.7489 A• 20.26445 20.04717 18.94728 19.47657 20.07928 20.70072 21.41688 20.70070 20.07857	ATU LA1 0 ~8.3 B/A 0.899 0.912 0.974 0.907 0.874 0.835 0.874 0.907	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -90.1 -95.6 -95.1 -94.7	NO IN 405 INCD 67.8 66.4 64.9 66.2 67.5 67.9 66.8 66.8	R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9 42.5 26.0 42.2 29.5 42.5 34.1 47.9 29.5 53.3 26.0	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.8 24.6 23.2 16.3 9.5	PTH A-67.327 115 SCALE P 0. 49.47549 58.62942 39.53790 42.24934 42.59317 42.3934 42.3934 42.27934	338 Z .596. T-PT 0-1 1-2 2-3 3-4 4-5 5-6 7-8 8-9
PHOYO DATA PT LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21	ON	RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571	AZS/C -344.3 -45.3 -45.7 -58.7 -66.1 -54.3 -45.1 -36.1	MS AZN 6.1 6.5 4.3 5.9 8.3 7.3 9.3 7.3	SEC TO 171.  AZSUN -83.3 -82.4 -81.1 -81.0 -82.6 -84.4 -83.9 -83.5 -82.5	TAB NO IMPACT .455  AZA 47.6 44.6 41.9 39.3 42.0 44.7 47.4 50.1	ALT 391.7489 20.26445 20.04717 18.94728 19.47657 20.07928 20.70072 21.41688 20.70070 20.07857	ATL/ LA1 0 -8.3 B/A 0.997 0.912 0.977 0.944 0.907 0.874 0.835 0.874 0.907	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1 -95.6 -95.1 -94.7 -90.1	NO IN .405 INCD 67.8 66.4 64.9 66.2 67.5 67.5 68.3 66.8 65.4 65.1	R 2127.204 PHAZ EMIS 41.8 28.2 53.2 14.6 47.9 19.9 42.5 26.0 42.5 26.0 42.5 34.1 47.9 29.5 53.3 26.0	POD S V 2.408 ALPHA 25.5 11.3 18.0 24.6 23.2 16.3 9.5 10.9	PTH A-67.327 115.  SCALE P 0. 49.47549 58.62942 39.53790 42.59317 45.81279 45.39934 42.20713 42.63840	338 Z 596 T-PT 0- 1 1- 2 2- 3 3- 4- 5 5- 6 6- 7 7- 8 8- 9
PHOYO DATA PT LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.495 -23 11 -10.181 -23	ON 0.336 .833 0.310 0.571 0.362 0.118 0.656 0.086 0.205 0.3611	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 393.52351	AZS/C -34.3 -45.3 -45.7 -66.1 -54.3 -45.1 -36.1 -24.5 -32.2 -45.7 -41.6	MS AZN 6.1 6.5 4.3 7.5 8.3 7.3 5.2 4.8 4.3	SEC TO 171.  AZSUN -83.3 -82.4 -81.1 -81.0 -82.6 -84.4 -83.5 -82.2 -81.1 -80.2	TAB NO  IMPACT .455  AZA 47.6 44.7 44.6 41.9 3.3 42.0 44.7 47.4 50.1	ALT 391.7489 A• 20.26445 20.04717 18.94728 19.47657 20.07928 20.70072 21.41688 20.70070 20.07857	ATL/ 0 -8.3 B/A 0.899 0.917 0.944 0.907 0.835 0.874 0.907 0.944	AS PHOTO  L0  97 -25.  AZPHAZ -93.6 -90.1 -85.5 -84.7 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5	NO 1N 405 1NCD 67.8 66.4 66.9 67.5 67.9 68.3 66.8 65.4 65.4	166 R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9 42.5 26.0 42.2 29.5 42.5 34.1 47.9 29.5 53.3 26.0 53.1 19.9 53.1 19.9	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.8 24.6 23.2 16.3 9.5	PTH A-67-327 115.  SCALE P 0. 49-47549 58-62942 39-531790 42-24934 42-24934 42-24934 42-2713 42-63840 39-930365 1:	338 Z 596 T-PT 0- 1 1- 2 2- 3 3- 4 4- 5- 6 6- 7 7- 8 8- 9 9-10 0-11
PHOYO DATA PY LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.495 -23 11 -10.181 -23 12 -9.187 -24	13 HR .TA .ON .336 .833 .310 .986 .571 .362 .118 .656 .205 .310 .310 .392	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 393.52351 393.52353	AZS/C -34.3 -45.3 -45.3 -45.7 -58.7 -66.1 -54.3 -45.1 -36.1 -24.5 -32.2 -45.7 -41.6	MS AZN 6.1 6.5 4.3 7.5 8.3 7.2 4.8 4.3 2.60	SEC TO 171. AZSUN -83.3 -82.4 -81.1 -81.0 -82.6 -84.4 -83.9 -83.5 -82.2 -81.1 -80.2	TAB NO IMPACT 455  AZA 47.6 44.7 44.6 41.9 39.3 42.0 44.7 47.4 50.1 47.4 44.6 44.8 43.6	ALT 391.7489 20.26445 20.04717 18.94728 19.47657 20.70792 21.41688 20.70070 20.07857 19.47596 18.94728 17.60232 18.52796	ATL/ LA1 0 -8.3 B/A 0.9977 0.912 0.907 0.907 0.814 0.835 0.814 0.907 0.944 0.907	AS PHOTO  L0 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -90.1 -95.6 -95.1 -94.7 -90.1 -95.6 -82.2 -81.5	NO IN 405 INCD 67.8 66.4 66.2 67.5 67.9 66.8 65.4 65.4 65.4 64.9 64.9	166 R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9 42.2 29.5 42.5 34.1 47.9 29.5 53.3 26.0 53.1 19.9 53.1 19.9 53.2 14.6 58.9 6.0 58.9 6.0	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.8 24.6 23.2 16.3 9.5 10.9	PTH A-67-327 115  SCALE P O. 49-47549 58-62942 39-53790 42-29934 42-59317 45-81279 42-20713 42-63840 39-9365 11 49-15749 1 36-56208 1 36-56208 1	338  Z
PHOYO DATA PT LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.495 -23 11 -10.181 -23 12 -9.187 -24 13 -9.098 -23	13 HR .TA .ON .336 .833 .310 .986 .571 .3656 .086 .205 .310 .611 .392	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 398.52351 398.08247 407.24540	AZS/C -34.3 -45.3 -45.7 -58.7 -66.1 -54.3 -45.1 -36.1 -36.1 -36.5 -45.7 -41.6 -66.0	MS AZN 6.1 6.5 5.9 7.5 8.3 7.3 5.2 4.3 2.6 4.0	SEC TO 171.  AZSUN -83.3 -82.4 -81.1 -81.0 -82.6 -84.4 -83.9 -83.5 -82.2 -80.1 -79.9	TAB NO IMPACT .455  AZA 47-6 44-6 41-9 39-3 42-0 44-7 47-4 47-4 44-6 44-8 43-6 39-5	ALT 391.74890 20.26445 20.04717 18.94728 19.47657 20.0792 20.70072 21.4168 20.70070 20.07857 19.47596 18.94728 17.6023 18.52796	ATL/ LA1 0 -8.3 B/A 0.899 0.912 0.907 0.907 0.907 0.874 0.907 0.875 0.875 0.917 0.977 0.973 1.000	AS PHOTO  L0 19725.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.6 -95.6 -95.7 -90.1 -85.5 -80.8	NO IN 405 INCD 67.8 66.4 66.5 67.9 68.3 66.8 65.4 65.1 64.7 63.5 64.7	R R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9 42.5 26.0 42.5 26.0 42.5 26.0 42.5 34.1 47.9 29.5 53.1 19.9 53.2 14.6 53.7 11.3 48.4 17.6	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.8 24.6 23.2 16.3 9.5 10.9 11.3 4.5 10.9	PTH A -67.327 115.  SCALE P 0. 49.47549 58.62942 39.53790 42.24934 42.59317 45.81279 45.39934 42.20713 42.63840 33.99365 11 36.64762 138.64762 138.64762	338  Z
PHOYO DATA PY LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.495 -23 11 -10.181 -23 12 -9.187 -24	13 HR  17A  1.0N  1.336  1.833  1.310  1.986  1.118  1.656  1.086  1.205  1.310  1.310  1.310	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 393.52351 393.52353	AZS/C -34.3 -45.3 -45.3 -45.7 -58.7 -66.1 -54.3 -45.1 -36.1 -24.5 -32.2 -45.7 -41.6	MS AZN 1 6.15 4.3 5.9 5 8.3 3 7 5.2 4.8 4.3 6 4.0 6 6.8	SEC TO 171. AZSUN -83.3 -82.4 -81.1 -81.0 -82.6 -84.4 -83.9 -82.2 -81.1 -91.1 -79.9	TAB NO IMPACT .455  AZA 47.6 44.6 41.9 342.0 44.7 47.4 50.1 47.4 44.6 44.8 43.6 339.5 36.8	ALT 391.74891 ALT 20.26445 20.04717 18.94728 19.47657 20.70072 21.41688 20.70070 20.70070 20.70070 19.47596 18.94728 17.60232 18.52796 19.0093	ATL/ LA1 0 -8.3 B/A 0.899 0.912 0.977 0.944 0.907 0.874 0.835 0.874 0.907 0.944 0.907 0.973 1.000 0.936	AS PHOTO  L0 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -94.7 -95.6 -95.6 -95.6 -95.6 -95.6 -95.6 -95.6 -95.6 -95.6 -95.8	NO 1NCD 67.8 66.4 64.9 66.2 67.5 67.9 68.3 66.8 65.4 64.9 63.5 64.9 63.5	166  R 2127.204  PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 42.2 29.5 42.5 34.1 47.9 29.5 53.3 26.0 53.1 19.9 53.2 14.6 58.9 6.0 58.9 6.0 58.4 17.6 48.4 17.6 43.1 24.1	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.6 23.2 16.3 9.5 10.9 11.3 4.5 10.9 17.5	PTH A-67-327 115.  SCALE P 0. 49-47549 58-62942 39-53790 42-24934 42-24934 42-24934 42-24934 42-26713 45-81279 45-39934 42-20713 45-39934 42-15749 1 36-56208 1 36-64762 1 36-64762 1 41-22218 1	338 Z - 596 T-PT 1 - 2 2 - 3 3 - 4 - 5 5 - 6 7 7 8 8 - 9 9 - 11 1 - 12 2 - 13 3 - 14 4 - 15
TRAJECTORY DA  PHOTO DATA  PT LAT L  1 -10.747 -20  2 -11.463 -21  3 -10.181 -23  4 -10.113 -21  5 -10.040 -20  6 -11.431 -20  7 -12.925 -20  8 -12.907 -21  9 -12.898 -23  10 -11.495 -23  11 -10.181 -23  12 -9.187 -24  13 -9.098 -23  14 -9.002 -22  15 -8.896 -20  16 -8.780 -19  17 -9.961 -19	13 HR  17A  10N  1-336  1-386  1-571  1-362  1-118  1-156  1-104  1-730  1-250  1-042	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.68208 426.69571 411.74267 402.30831 393.52351 398.08247 407.24540 441.86445 441.86445 447.80387	AZS/C -34.3 -45.3 -45.3 -45.7 -66.1 -54.3 -45.1 -36.1 -24.5 -32.2 -45.7 -41.6 -66.0 -74.5 -78.6	MS AZ116.53 5.53 9.33 2.44.3 2.60 4.8 8.0	SEC TO 171.  AZSUN -83.3 -82.4 -81.1 -81.0 -82.4 -83.9 -82.2 -81.1 -80.2 -80.1 -80.2 -80.1 -80.2 -80.1 -80.2 -80.8	TAB NO  IMPACT 455  AZA 47.6 44.6 41.9 42.0 44.7 47.4 50-1 47.4 44.6 43.6 33.6 33.6 33.6 34.2 36.8	ALT 391.7489 20.26445 20.04717 18.94728 19.47657 20.70072 20.70072 20.70070 20.70857 19.47596 18.94728 17.60232 18.52796 19.03520 19.60093 20.25046	ATL/  LA1  0 -8.3  B/A  0.899  0.912  0.977  0.944  0.835  0.874  0.977  1.000  0.978  0.978  0.988  0.931	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -65.5 -85.1 -94.7 -95.6 -95.6 -95.6 -95.6 -95.6 -95.7 -81.5 -82.8 -80.0 -78.9 -84.1	NO NA 4Q5 INCD 67.8 664.9 664.9 665.4 665.4 665.4 665.4 665.4 665.4 665.4 667.7 667.7 667.7 667.7	R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9 42.5 26.0 42.5 34.1 47.9 29.5 53.3 26.0 53.1 19.9 53.2 14.6 53.7 11.3 48.4 17.6 43.1 24.1 38.0 30.8	POD S V 2.408 ALPHA 25.5 17.7 11.3 18.0 24.8 24.6 23.2 16.3 9.5 10.9 11.3 4.5 10.9	PTH A -67.327 115.  SCALE P 0. 49.47549 58.62942 39.53790 42.24934 42.59317 45.81279 45.39934 42.20713 42.63840 33.99365 11 36.64762 138.64762 138.64762	338  Z - 596.  T - PT 0 - 1 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6 6 7 7 - 8 8 - 9 9 - 10 0 - 11 1 - 12 2 - 13 3 - 14 4 - 15 5 - 16
PHOYO DATA PY LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.495 -23 11 -10.181 -29 12 -9.187 -24 13 -9.098 -23 14 -9.002 -22 15 -8.896 -20 16 -8.780 -19 17 -9.961 -19 18 -11.402 -18	0N	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 426.69571 411.74267 402.30831 393.52351 398.08247 407.24540 421.60746 447.80387 447.80387 460.01331	AZS/C 344  AZS/C 344.3 -45.3 -45.7 -58.7 -66.1 -54.3 -45.1 -36.1 -24.5 -32.2 -74.1.6 -66.0 -74.5 -81.0 -70.6	MS AZN 16.5 4.9 7.5 3 8.3 7.3 2 4.8 4.3 2 4.0 6.8 8.2 910.0	AZSUN 171.  AZSUN 83.3 -82.4 -81.1 -81.0 -82.6 -83.9 -83.5 -81.1 -80.2 -81.1 -79.7 -79.9 -82.8	TAB NO  IMPACT 455  A7.4 47.6 44.9 39.3 44.7 47.4 47.4 47.4 47.4 47.4 47.4 43.6 39.5 36.8 36.8 36.8	166  ALT 391.74890  A 20.26445 20.04717 18.94728 20.70972 21.41688 20.70070 20.07828 17.40232 18.52796 19.03520 19.60093 20.25046 20.77401 21.45845	ATL/  LA1  0 -8.3  B/A  0.897  0.912  0.977  0.874  0.907  0.874  0.907  0.874  0.907  0.874  0.907  0.874  0.907  0.886  0.863  0.863  0.863  0.863	AS PHOTO  L0 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -94.7 -90.1 -85.5 -82.2 -81.5 -80.8 -80.8 -80.8 -80.8	NO N 405 INCD 67.8 66.4 66.2 67.5 66.8 66.8 66.8 66.4 64.7 67.3 67.3 68.7 66.8	166  R 2127.204  PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9 42.5 26.0 42.2 29.5 42.5 34.1 47.9 29.5 53.1 19.9 53.1 19.9 53.3 26.0 53.1 19.9 53.1 11.3 48.4 17.6 43.1 24.1 48.3 12.4 37.2 32.4 36.9 35.4	POD S  V 2.408  ALPHA 25.5 17.7 11.3 18.0 24.6 23.2 16.3 9.5 10.9 11.3 4.5 10.9 17.5 24.6 23.2 10.7 31.7	PTH A-67-327 115  SCALE P 0. 49-47549 58-62942 39-531790 42-24934 42-259317 45-81279 45-39934 42-20713 42-63840 38-64762 136-50208 136-50208 136-64762 141-22218 144-44523 136-30998 144-38453 144-38453 144-38453	338  Z 596  T-PT 0-1 1-2 2-3-4-5-6-7-8-99-10 0-11 1-12 2-13 3-14 4-15-6-17-18
TRAJECTORY DA  PHOYO DATA  PY LAT L 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.495 -23 11 -10.181 -23 12 -9.187 -24 13 -9.098 -23 14 -9.002 -22 15 -8.896 -20 16 -8.780 -19 17 -9.961 -19 18 -11.402 -18	0N	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 393.52351 398.08247 407.24540 421.60746 441.86445 460.01331 478.86033	AZS/C -34.3 -45.3 -45.3 -45.7 -58.7 -58.7 -58.1 -36.1 -24.5 -32.2 -45.7 -41.6 -66.0 -74.5 -78.6 -81.0 -70.8	AZN 6-1 6-5 7-5 3 7-2 4-8 4-6 4-0 4-0 4-0 10-3	SEC TO 171. AZSUN -83.3 -82.4 -81.1 -61.0 -82.6 -83.9 -82.2 -80.1 -80.2 -80.1 -79.9 -79.7 -79.4 -80.9	TAB NO IMPACT .455  AZA 47-6 44-7 44-6 41-9 342-0 44-7 47-4 40-6 44-8 43-6 33-5 34-2 34-2 39-4	ALT 391.74891 20.26445 20.04717 18.94728 19.47657 20.70228 20.70072 21.41688 20.70070 20.07857 19.47596 18.94728 17.60232 18.52796 19.03520 19.0352	ATL  LA1  0 -8.3  B/A  0.912  0.912  0.944  0.907  0.845  0.847  0.907  0.944  0.907  0.948  0.908  0.868  0.868  0.863	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -85.1 -85.7 -95.1 -95.6 -95.1 -94.7 -95.6 -95.1 -84.7 -96.5 -80.8 -80.0 -78.9 -84.1 -90.2	NO NA 405 INCD 67.84 664.92 667.56 667.56 667.57 668.03 665.44 668.03 668.03 669.04 669.04	R 2127-204 PHAZ EMIS 41.8 28.2 47.6 24.2 47.6 24.2 47.9 19.9 42.5 26.0 47.9 29.5 53.3 16.9 53.1 19.9 53.2 14.6 58.9 6.0 53.7 11.3 48.4 17.6 48.4 17.4 38.0 30.8 37.2 39.4	POD S V 2.408 ALPHA 25.57 11.3 18.0 24.8 24.6 23.2 16.3 9.5 10.9 11.5 10.9 17.5 24.1 30.7 31.7 31.7	PTH A -67-327 115.  SCALE P 0. 49-47549 58-62942 39-53790 42-24934 42-59317 45-81279 45-39934 42-20713 42-63840 39-90365 11 42-63840 39-90365 11 42-63840 42-6462 1 44-4523 11 44-4523 11 44-4523 11 44-4523 11 44-4523 11 44-4523 11 44-4523 11 44-4523 11 44-4523 11 44-38453 11 47-98366 11	338  Z 596  T-PT 0-1 1-2-3-4-5-6-7-8-9-10 1-12 2-114 4-15 6-17 7-18 8-19
TRAJECTORY DA  PHOTO DATA  PT LAT L 1 -10.747 -20.2 2 -11.463 -21.3 3 -10.181 -23.4 4 -10.113 -21.5 5 -10.040 -20.6 6 -11.431 -20.7 7 -12.925 -20.8 8 -12.907 -21.9 9 -12.898 -23.1 1 -10.181 -23.1 12 -9.187 -24.1 13 -9.098 -23.1 14 -9.002 -22.1 15 -8.896 -20.1 16 -8.780 -19.1 17 -9.961 -19.1 18 -11.402 -18.1 19 -12.954 -18.2 20 -14.651 -18.2 21 -14.550 -19.3	13 HR  ON  -336 -833 -986 -8310 -986 -118 -656 -086 -250 -310 -611 -392 -104 -730 -250 -250 -442 -550 -829	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 393.52351 398.08247 407.24540 421.60746 441.86465 441.86465 478.86033 505.52903	AZS/C -34.3 -45.3 -45.3 -45.7 -58.7 -56.1 -36.1 -24.5 -32.2 -45.7 -41.6 -66.0 -74.5 -78.6 -81.0 -76.5 -70.8	MS AZN 6.1 5.9 7.3 5.2 4.8 2.6 6.8 2.9 10.3 12.5	SEC TO 171.  AZSUN -833 -82.4 -81.1 -81.0 -82.6 -84.9 -83.5 -82.2 -80.1 -79.9 -87.9 -87.2 -80.	TAB NO  IMPACT 455  A7.4 47.4 41.9 39.3 44.7 50.1 47.4 47.4 43.6 39.5 36.8 39.5 36.8 42.1 44.8	ALT 391.74891 20.26445 20.04717 18.94728 19.47657 20.07928 20.70072 21.41688 20.70070 20.07857 19.47596 18.94728 17.60232 18.52796 19.03520 19.60003 20.25046 20.77401 21.45845 22.25357 23.19310 22.25546	ATL  LA1  0 -8.3  B/A  0.912  0.944  0.907  0.874  0.907  0.944  0.907  0.973  1.000  0.968  0.888  0.863  0.883  0.863	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -95.6 -95.1 -94.7 -95.6 -80.8 -80.0 -78.9 -84.1 -90.2 -96.2 -102.1	NO N 405 INCD 666.49 667.59 667.59 667.59 667.59 668.37 669.4669.96 669.96 669.96	R 2127-204 PHAZ EMIS 41.8 28.2 47.6 24.2 47.6 24.2 53.2 14.6 47.9 19.9 42.5 26.0 53.3 26.0 53.7 11.3 48.1 17.6 48.1 24.1 38.0 30.8 48.1 24.1 38.0 30.8 48.3 32.8 48.3 39.4 48.2 44.2	POD S  V 2.408  ALPHA 25.5 17.7 11.3 18.0 24.6 23.2 16.3 9.5 10.9 11.3 4.5 10.9 17.5 24.6 23.2 10.7 31.7	PTH A-67-327 115  SCALE P O. 49-47549 58-62942 39-53790 42-24934 42-59317 45-81279 42-20713 42-63840 42-15749 42-15749 42-15749 43-15749 43-15749 44-4523 43-636462 44-4523 44-4523 44-4523 44-4523 45-36463 46-36462 47-98366 47-98366 47-98366 47-98366	338  Z 596  T-PT 0-1 2-3 3-4 4-5 6-7 7-8 8-9 9-10 1-12 2-13 4-15 6-17 7-18 8-19 9-20
PHOYO DATA PY LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.181 -23 12 -9.187 -24 13 -9.002 -22 14 -9.002 -22 15 -6.896 -20 16 -8.780 -19 17 -9.961 -19 18 -11.402 -18 19 -12.954 -18 20 -14.651 -18 21 -14.550 -19 22 -14.473 -21	13 HR  ATA  ON  -336 -833 -310 -986 -571 -362 -118 -656 -205 -310 -611 -392 -1730 -250 -250 -250 -250 -829	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 393.52351 393.52351 398.08247 407.24540 421.60746 441.86445 446.01331 478.86033 479.02338	AZS/C -34.3 -45.3 -45.7 -66.1 -54.3 -45.1 -24.5 -36.1 -24.5 -36.2 -45.7 -41.6 -66.0 -74.5 -78.6 -61.0 -70.6 -52.0 -36.2 -78.2 -78.3	AZN 6.15 4.3 5.95 8.3 7.3 5.2 8.4 8.2 0.0 5.4 8.2 11.3 12.9 110.5 2	SEC TO 171.  AZSUN 3-82.4 -81.1 -81.0 -81.9 -83.5 -82.2 -80.2 -80.2 -80.2 -79.7 -79.4 -80.9 -84.9 -84.9 -87.8	TAB NO  IMPACT 455  AZA 47-6 44-7 44-9 39-3 44-7 47-4 50-1 47-4 44-8 336-8 34-2 336-7 39-4 44-8 47-4 50-1	ALT 391.74891 ALT 20.26445 20.04717 18.94728 19.47657 20.70072 21.41688 20.70070 20.7857 19.47596 18.94728 17.60232 18.52796 19.03520 19.60093 20.25046 20.77401 21.45845 22.25357 23.19310 22.25460 21.45941	ATL  LA1  0 -8.3  B/A  0.899  0.912  0.977  0.944  0.907  0.874  0.907  0.973  1.000  0.968  0.830  0.742  0.790  0.742  0.790	AS PHOTO  L0 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.6 -95.7 -90.7 -90.7 -90.8 -81.5 -80.8 -80.0 -78.9 -84.7 -90.2 -96.2 -102.1 -101.0	NO NA NA NA NA NA NA NA NA NA NA NA NA NA	166  R 2127.204  PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 42.5 29.5 53.3 26.0 53.1 19.9 53.1 19.9 53.2 14.6 58.9 6.0 58.9 6.0 58.9 6.0 58.9 6.0 58.9 6.0 38.4 17.6 48.4 17.6 48.6 35.4 48.6 35.4	POD S V408 ALPHA 17.7 11.0 24.6 23.2 16.3 10.9 11.3 4.5 10.9 11.3 4.5 10.9 11.3 24.6 23.2 10.9 11.3 24.6 23.2 10.9 11.3 24.6 23.2 10.7 24.6 23.2 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	PTH A-67-327 115.  SCALE P O. 49-47549 58-62942 39-53790 42-299317 45-81279 42-299314 42-39936 42-20713 45-81279 45-39936 42-20713 45-81279 45-39936 41-22218 44-4523 41-38453 41-98366 41-22218 44-4523 41-22218 44-38453 47-98366 47-58345 22-72180 52-22360 247-58345	338  Z 596  T-PT 1 1- 2 2- 3 3- 4- 5 5- 6 7 7- 8 8- 9 9-10 0-11 2-13 3-15 5-16 7-18 9-20 0-21
PHOYO DATA PY LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.995 -20 8 -12.997 -21 9 -12.898 -23 10 -11.495 -22 11 -10.181 -23 12 -9.187 -24 13 -9.098 -23 14 -9.002 -22 15 -8.896 -20 16 -8.780 -19 17 -9.961 -19 18 -11.402 -18 19 -12.954 -18 20 -14.651 -18 20 -14.655 -18 21 -14.550 -19 22 -14.473 -21 23 -14.473 -21	13 HR  ATA  ON  .336 .336 .310 .986 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .310 .365 .365 .365 .365 .365 .365 .365 .365	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 393.52351 398.08247 407.24540 421.60746 441.86445 447.80387 460.01331 478.86033 505.52903 460.21349.47.93430	AZS/C -34.3 -45.3 -45.3 -45.7 -66.1 -54.3 -45.7 -41.6 -66.0 -74.5 -78.6 -81.0 -70.8 -60.0 -70.8 -60.0 -70.8 -60.0 -70.8	AZN 6.1 6.1 6.5 9.3 7.3 2.6 6.4 8.2 9.0 11.3 11.3 12.5 8.2 8.2 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 10.5 5.8 8.5 9.5 10.5 5.8 8.5 9.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10	SEC TO 171.  AZSUN 3 -82-4 -81-1 -81-0 -82-6 -84-9 -83-5 -82-2 -80-1 -79-7 -79-4 -80-8 -84-9 -87-1 -86-5 -84-9 -85-5 -84-9 -84-9	TAB NO IMPACT .455  AZ A 47.6 44.7 44.6 41.9 342.0 44.6 47.4 44.6 43.6 33.6 36.8 36.8 36.8 36.7 39.8 47.4 50.1 50.8	ALT 391.74891 20.26445 20.04717 18.94728 19.47657 20.07928 20.70072 21.41688 20.70072 21.41688 20.70072 21.41688 20.70072 21.41586 20.70072 18.94728 17.60232 18.52796 19.03520 19.60093 20.25046 20.777401 21.45857 22.255857 23.19310 22.25585 21.25951 21.25951 21.25931	ATL  LA1  0 -8.3  B/A  0.899  0.912  0.944  0.907  0.874  0.874  0.907  0.944  0.907  0.944  0.977  0.973  1.000  0.863  0.879  0.979  0.8883  0.830  0.790  0.8883	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -65.5 -65.1 -84.7 -90.1 -95.1 -94.7 -90.1 -85.5 -81.5 -80.8 -80.0 -78.9 -84.1 -90.2 -102.1 -101.0 -100.1	NO NO NA 405 107.8 666.4 666.4 667.5 667.5 667.6 665.4 665.4 665.7 667.6 669.9 669.9 669.9 669.9 669.7 665.7 665.7	166  R 2127-204  PHALE EMIS 41.8 28.2 47.6 24.2 47.6 24.2 29.5 32.2 14.6 47.9 19.9 42.5 26.5 34.1 19.9 53.2 14.6 53.7 11.3 48.4 17.6 43.1 24.1 38.2 24.2 32.4 36.9 35.4 36.9 35.4 36.9 35.4 38.2 24.2 48.3 39.4 38.3 39.4 38.3 39.4 38.3 39.4	POD S V 408 ALPHA 25-5 17-7 11-3 18-0 24-6 216-3 10-9 11-3 10-9 17-5 24-1 30-7 31-7 31-7 31-2 27-3 13-2 27-3 13-2 27-3 13-2 27-3	PTH A-67-327 115.  SCALE P 0. 49-47549 58-62942 39-53790 42-24934 42-59317 45-81279 45-81279 45-81279 45-81279 45-81279 46-81279 46-8127149 18-65208 11 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 43-63840 43-63840 44-44523 44-44523 44-44523 46-30998 44-3866 47-58345 42-63845 42-63845 43-93271 43-93271	338 Z 596 T-PT 0-1 2 2-3 3-4 5 5-6 7-8 8-9 10 90-11 2-13 3-14 5 5-16 6-17 8-19 90-21 2-2-3 3-14 5 5-16 6-17 8-19 90-21 1-2-23
PHOYO DATA PY LAT 1 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.495 -23 11 -10.181 -23 12 -9.187 -24 13 -9.098 -23 14 -9.002 -22 15 -8.896 -20 16 -8.780 -19 17 -9.961 -19 18 -11.402 -18 19 -12.954 -18 20 -14.651 -19 22 -14.651 -19 22 -14.453 -22 24 -14.433 -22 4 -14.368 -24	13 HR  ATA  ON  -336 -833 -310 -986 -571 -362 -118 -656 -205 -310 -611 -392 -1730 -250 -250 -250 -250 -829	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 393.52351 393.52351 398.08247 407.24540 421.60746 441.86445 446.01331 478.86033 479.02338	AZS/C -34.3 -45.3 -45.7 -66.1 -54.3 -45.1 -24.5 -36.1 -24.5 -36.2 -45.7 -41.6 -66.0 -74.5 -78.6 -61.0 -70.6 -52.0 -36.2 -78.2 -78.3	AZN 6.15 4.3 5.95 8.3 7.3 5.2 8.4 8.2 0.0 5.4 8.2 11.3 12.9 110.5 2	SEC TO 171.  AZSUN 3-82.4 -81.1 -81.0 -81.9 -83.5 -82.2 -80.2 -80.2 -80.2 -79.7 -79.4 -80.9 -84.9 -84.9 -87.8	TAB NO  IMPACT 455  AZA 47-6 44-7 44-9 39-3 44-7 47-4 50-1 47-4 44-8 336-8 34-2 336-7 39-4 44-8 47-4 50-1	ALT 391.7489 20.26445 20.04717 18.94728 19.47657 20.70792 20.70072 21.41688 20.70070 20.70857 19.47596 18.94728 17.60232 18.52796 19.03520 19.60093 20.25046 20.77401 21.45845 22.25357 23.19310 22.25560	ATL  LA1  0 -8.3  B/A  0 .899  0.9912  0.977  0.974  0.907  0.974  0.907  0.974  0.907  0.974  0.907  0.974  0.907  0.974  0.907  0.974  0.907  0.974  0.907  0.974  0.908  0.863  0.863  0.863  0.863	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -65.5 -65.1 -84.7 -90.1 -95.1 -94.7 -90.1 -85.5 -81.5 -80.8 -80.0 -78.9 -84.1 -90.2 -102.1 -101.0 -100.1 -99.3 -98.6	NO IN 405 INCD 66.4 66.4 66.4 66.5 19.6 66.4 66.5 19.6 66.8 66.5 19.6 66.7 66.7 66.7 66.7 66.7 66.7 66.7 6	166  R 2127.204  PHAZ EMIS 41.8 28.2 47.6 24.2 47.6 24.2 47.9 19.9 42.2 29.5 42.5 34.1 53.1 19.9 53.2 14.6 58.9 6.0 58.9 6.0 58.9 6.0 58.9 6.0 58.9 35.4 48.4 17.6 48.4 17.6 48.4 37.2 39.4 38.2 34.2 43.3 39.5 48.3 39.5 48.3 39.5 53.8 32.4	POD S V 2.408 ALPHA 25-5 17-7 11.3 18-0 24-6 23-2 16-3 10-9 11-3 40-9 11-3 10-9 17-5 130-7 31-6 227-3 203-6 13-9 7-3 10-9	PTH A-67-327 115.  SCALE PO-90. 49-47549 39-53790 42-24934 42-24934 42-24934 42-26934 42-26934 42-26936 43-90365 14 43-1549 43-1549 43-1549 44-1523 14 44-4523 14 44-4523 14 44-4523 14 44-4523 14 44-4523 14 45-23260 24 47-95364 15 52-70180 15 52-23260 24 43-99271 24 41-20225 24 41-20225 24	338 Z
TRAJECTORY DA  PHOTO DATA  PY LAT 1 1 -10.7747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 11 -10.181 -23 12 -9.187 -24 13 -9.002 -22 14 -9.002 -22 15 -8.896 -20 16 -8.780 -19 17 -9.961 -19 18 -11.402 -18 19 -12.954 -18 20 -14.651 -18 20 -14.655 -19 22 -14.473 -21 23 -14.473 -22 4 -14.368 -24 25 -12.895 -24 26 -11.528 -24	13 HR  ON  1-336  1-336  1-336  1-316  1-362  1-118  1-362  1-118  1-362  1-118  1-362  1-118  1-362  1-118  1-362  1-104  1-370  1-364  1-370  1-364  1-370  1-364  1-370  1-364  1-370  1-364  1-370  1-364  1-370  1-364  1-370  1-364	22 MIN 57  RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.68208 426.69571 411.74267 402.30831 393.52351 398.08247 407.24540 421.60746 441.86445 478.86033 505.52903 460.21349 447.93430 447.93430 441.28503 421.00273	AZS/C -34.3 -45.3 -45.3 -45.7 -66.1 -24.5 -36.1 -24.5 -36.1 -24.5 -32.2 -45.7 -41.6 -66.0 -74.5 -70.8 -60.6 -52.0 -45.0 -32.2 -22-2 -19.6 -8.0 -8.0	MS AZN 6.15 4.3 7.5 8.3 7.3 2.6 4.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0	SEC TO 171.  AZSUN -83.3 -82.4 -81.1 -81.0 -83.9 -83.5 -82.2 -81.1 -79.7 -79.4 -80.9 -80.9 -80.8 -84.8 -82.8 -84.3 -83.1 -82.1 -80.2 -84.3 -83.1 -82.1 -80.2 -84.3 -83.1 -82.1	TAB NO  IMPACT .455  AZA 47.6 44.7 44.6 44.7 50.1 44.6 44.8 50.8 34.2 336.8 34.2 34.2 35.8 55.9 55.9	ALT 391.7489 20.26445 20.04717 18.94728 19.47657 20.70072 20.70072 21.41688 20.70070 20.70857 19.47596 18.94728 17.60232 18.52796 19.03520 19.60093 20.25046 20.27401 21.45845 22.25357 23.19310 22.25460 21.45931 20.17774 19.53193	ATL/ 0 -8.3  B/A 0 .899 0.912 0.977 0.944 0.907 0.874 0.907 0.973 1.000 0.968 0.931 0.863 0.830 0.863 0.893 0.863 0.893 0.893 0.893	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -95.6 -95.6 -95.6 -95.6 -95.6 -95.6 -95.7 -90.7 -90.1 -86.5 -80.0 -78.9 -80.0 -78.9 -80.0 -78.9 -80.0 -78.9 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2 -90.2	NO N 405 INCD 866-49 664-566-666-666-666-666-666-666-666-666-	R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 47.6 24.2 47.9 19.9 42.5 26.0 42.5 34.1 47.9 29.5 53.3 26.0 53.7 11.3 48.4 17.6 38.0 30.8 43.1 24.1 38.0 30.8 43.1 24.1 38.0 35.4 53.8 35.4 53.8 35.4 53.8 35.4	POD S V 408 ALPHA 25-5 17-7 11-3 18-0 24-6 216-3 10-9 11-3 10-9 17-5 24-1 30-7 31-7 31-7 31-2 27-3 13-2 27-3 13-2 27-3 13-2 27-3	PTH A-67-327 115.  SCALE P 0. 49-47549 58-62942 39-53790 42-24934 42-59317 45-81279 45-81279 45-81279 45-81279 45-81279 46-81279 46-8127149 18-65208 11 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 42-63840 43-63840 43-63840 44-44523 44-44523 44-44523 46-30998 44-3866 47-58345 42-63845 42-63845 43-93271 43-93271	338 Z 1596 T-PT 1 1-2-3 4-5-6-7 8-9-10 1-1-13 3-1-4-5-6-7 8-9-10 1-1-13 3-1-1-6-7 8-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
PHOYO DATA PY LAT 1 -10.747 -20 2 -11.463 -21 3 -10.181 -23 4 -10.113 -21 5 -10.040 -20 6 -11.431 -20 7 -12.925 -20 8 -12.907 -21 9 -12.898 -23 10 -11.495 -23 11 -10.181 -23 12 -9.187 -24 13 -9.098 -23 14 -9.002 -22 15 -8.896 -20 16 -8.780 -19 17 -9.961 -19 18 -11.402 -18 19 -12.954 -18 20 -14.651 -18 21 -14.550 -19 22 -14.473 -21 24 -14.368 -24 25 -12.895 -24	13 HR  ATA  ON  1-336  1-310  1-356  1-310	RANGE 433.28855 421.82981 402.30831 411.79702 426.71082 437.63830 454.74555 437.68208 426.69571 411.74267 402.30831 398.08247 407.24540 421.60746 441.86445 447.80387 478.20338 440.21349 479.02338 460.21349 479.02338 460.21349 479.02338 460.21349 479.0238	AZS/C -34.3 -45.3 -45.3 -45.3 -45.1 -54.3 -45.1 -36.1 -24.5 -32.2 -45.7 -41.6 -66.0 -74.5 -78.6 -81.0 -70.8 -60.6 -52.0 -45.0	MS AZN 6.1 6.5 4.3 7.5 3 9.3 7.3 2.6 8.2 9.0 11.3 11.3 12.5 8.3 3.2 3.0 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	SEC TO 171.  AZSU3 - 81.1 - 81.0 - 82.4 - 81.1 - 81.0 - 82.6 - 83.9 - 82.2 - 80.1 - 79.9 - 79.7 - 80.9 - 82.8 - 84.9 - 84.9 - 84.9 - 84.9 - 84.9 - 84.3 - 83.8 - 83	TAB NO IMPACT .455  A7.6 44.7 44.6 41.9 39.3 42.0 747.4 44.6 839.5 36.7 43.6 39.6 21 44.8 50.8 255.5 50.8 26.7 44.6 47.4 44.6 48.6 50.8 26.7 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	166  ALT 391.7489  A. 20.26445 20.04717 18.94728 20.70072 21.41688 20.70070 21.41688 20.70872 21.41688 20.70872 21.45968 20.70872 21.45968 20.77871 21.45968 20.77871 21.45968 20.77871 21.45986 20.77801 22.25460 21.45845 22.25460 21.45845 22.25460 21.458731 22.25460 21.458731 22.77877 20.17874	ATL/ 0 -8.3 0 -8.3 0 .899 0.912 0.977 0.944 0.907 0.875 0.674 0.907 0.873 1.000 0.835 0.674 0.907 0.968 0.968 0.968 0.968 0.968 0.968 0.968 0.968 0.968 0.968 0.979 0.979 0.885 0.886 0.830 0.7790 0.885 0.892 0.792 0.972	AS PHOTO  LO 197 -25.  AZPHAZ -93.6 -90.1 -85.1 -84.7 -90.1 -94.7 -90.1 -85.2 -81.5 -80.8 -80.0 -78.9 -84.1 -90.2 -102.1 -101.0 -100.1 -99.3 -98.6 -99.1 -99.3	NO N 405 INCD 866-466-66-666-666-666-666-666-666-666-6	166 R 2127.204 PHAZ EMIS 41.8 28.2 47.6 24.2 53.2 14.6 47.9 19.9 42.5 26.0 42.5 26.0 42.5 26.5 53.3 26.0 53.7 11.3 43.1 24.1 38.0 24.2 38.0 24.2 38.2 24.2 38.3 24.2 38.3 24.2 38.3 24.2 59.0 30.6 58.6 23.9	POD S 2 408 ALPHA 25-5 17-7 11-3 18-0 24-6 216-3 9-5 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 11-3 10-9 10-	PTH A-67.327 115.  SCALE P 0.  49.47549  58.62942  39.53790  42.24934  42.59317  45.81279  45.81279  45.81279  39.9365 11  42.63840  39.90365 11  36.64762 11  41.22218 11  44.44523 11  36.36762 11  44.45853 11  47.98366 11  52.70180 11  52.70180 12  44.38453 12  44.38453 12  44.38453 12  44.38453 12  44.38453 12  44.486885 22  44.68885 22	338 Z _ 596 T-PI 1 - 2 2 3 4 - 5 6 6 7 8 8 9 0 - 11 1 - 12 3 - 14 5 6 6 - 7 8 8 9 0 - 11 1 - 12 3 3 - 14 5 6 - 18 8 9 0 - 21 2 - 23 4 - 5 6 6 - 7 8 8 - 9 0 - 21 2 - 23 4 - 5 6 6 6 - 27

				RA-VII	CAMERA	FA						84
				,	AB NO	167	ATLA	S PHOTO			DOD 6	EQUENCE NO 340
JULY 31,1964 13 HR	23 MIN 2	SEC 464 M	15		AB NO	107	AILA	IS PHUIU	NU	16/	POD S	EQUENCE NO 340
TRAJECTURY DATA				SEC TO	IMPACT	ALT	LAT	Lo	N	R	٧	PTH AZ
				166.		380.36456		52 -25.		2115.82	0 2.413	-67.248 115.577
PHOTO DATA PT LAT LON	RANGE	AZS/C	A7N	AZSUN	AZA	A+	R/A	A7 PH A 7	TACO	PHAZ EMIS	AL PHA	SCALE PT-PT
1 -10.741 -20.349	420.74863	~34.5	6.1	-83.4	47.5	19.68546	0.899	-93.6	67.8	41.8 28.1	25.4	0. 0-1
2 -11.442 -21.790	409.8G038 390.78529		6.5 4.4	-82.5 -81.1	44.6 44.5	19.47548		-90.1 -85.5	66.5	47.6 24.2 53.2 14.7	17.7	47.78821 1- 2 56.97079 2- 3
3 -10.198 -23.225 4 -10.131 -21.939	400.04977		5.9	-81.1	41.9	18.92095		-85.1	66.2	47.9 20.0	18.1	38.41899 3-4
5 -10.060 -20.564	414.56094		7.5	-81.0	39.3	19.50753			67.5	42.5 26.0	24.8	41.05308 4- 5 41.38108 5- 6
6 -11.412 -20.361 7 -12.862 -20.124	425.17941 441.76316		8.3 9.3	-82.6 -84.4	42.0	20.11141		-90.1 -95.6		42.2 29.5		41.38109 5- 6 44.49321 6- 7
8 -12.845 -21.618	425.17101	-36.3	7.3	-83.9	47.2	20.10895	0.874	-95.1	66.8	47.9 29.5	16.4	44.10843 7- 8
9 -12.836 -23.007	414.45116	-24.7 -32.5	5.2 4.8	-83.6 -82.3	49.9 47.2	19.50236 18.91831		-94.7 -90.1		53.3 26.0 53.1 19.9		41.01080 8- 9 41.40686 9-10
11 -10.198 -23.225	390.78529	-45.8	4.4	-81.1	44.5	18.40458	0.976	-85.5	65.0	53.2 14.7	11.4	38.76172 10-11
12 -9.232 -24.490	382.16645	-42.1 -65.9	4.1	-80.2 -80.1	44.7 43.6	17.09812		-82.2 -81.5		58.9 6.1 53.7 11.4		47.75965 11-12 35.51784 12-13
13 -9.145 -23.305 14 -9.051 -22.053	386.65815 395.60376		5.5	-79.9	39.5	18.49097		-80.8		48.4 17.7		37.55134 13-14
15 -8.949 -20.719	409.57758	-78.4	6.8	-79.7	36.9	19.04155	0.931	-80.0	67.3	43.1 24.2	24.1	40.05249 14-15
16 -8.836 -19.280 17 -9.984 -19.079	429.24710 435.04212		9.0	-79.4 -80.9	34.4	19.67211		-78.9 -84.1		38.0 30.7		43.17229 15-16 35.27828 16-17
18 -11.383 -18.811	446.90014	-60.6	10.0	-82.8	39.5	20.84680	0.830	-90.2	69.4	36.9 35.4	31.6	43.11846 17-18
19 -12.890 -18.496			11.3		42.1	21.61692	0.791			37.2 39.3		46.59388 18-19 51.12843 19-20
20 -14.538 -18.118			10.5	-87.1 -86.3		22.52401 21.61490	0.791	-101.0	68.7	43.3 39.4	20.6	50.70169 20-21
22 -14.365 -21.417	446.98106	-29.9	8.1	-85.6	49.8	20.84220	0.830	-100.1	67.2	48.6 35.4	13.9	46.19811 21-22
23 -14.307 -22.872 24 -14.262 -24.235	435.01058 428.47857	-19.8 -8.3	5.8 3.5	-85.0 -84.4	52.5 55.1	20.17450 19.59013		-99.3 -98.6	65.8	53.8 32.3 59.0 30.5	7.4	42.73812 22-23 40.02216 23-24
25 -12.833 -24.312	408.84894	-10.5	3.2	-83.2	52.5	18.96805	0.935	-94.4	64.2	58.6 23.9	3.1	43.36510 24-25
26 -11.506 -24.380	394.96239 386.15192	-14.4	3.0	-82.1 -81.1		18.42504 17.87963		-90.1 -85.8		58.4 17.3 58.5 11.0		40.25217 25-26 37.75946 26-27
27 -10.260 -24.441		-22.6										
28 -9.232 -24.490	382.16645	-42.1	2.6	-80.2	44.7	17.09812	0.973	-82.2	63.6	58.9 6.1	4.6	31.19072 27-28
28 -9.232 -24.490	382.16645	-42.1	2.6									
28 -9.232 -24.490					TAB NO	17.09812		-82.2 AS PHOTO				31.19072 27-28 SEQUENCE NO 342
JULY 31,1964 13 HF			MS	٦	TAB NO	168	ATL	AS PHOTO	NO	168	POD S	EQUENCE NO 342
			MS	SEC TO	TAB NO		ATL/	AS PHOTO	<b>NO</b>	168 R	POD S	
JULY 31,1964 13 HF TRAJECTORY DATA PHOTO DATA	23 MIN 7	SEC 584 P	MS	SEC TO 161.	TAB NO IMPACT 215	168 ALT 368.96240	ATLA LA1 5 -8.5	AS PHOTO F L1 508 -25	NO 0 N 169	168 R 2104-41	POD S	PTH AZ -67.169 115.558
JULY 31,1964 13 HF TRAJECTORY DATA PHOTO DATA PT LAT LON	23 MIN 7	SEC 584 P	MS AZN	SEC TO 161.	IMPACT 215	ALT 368.96240	ATLA LA1 5 -8.5	AS PHOTO	NO 169 100	168 R 2104-41 PHAZ EMIS	POD S	PTH A2 -67-169 115-558 SCALE PT-PT 0. 0-1
JULY 31,1964 13 HF TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747	RANGE 408-18615 397-74097	SEC 584 P AZS/C -34.6 -45.5	MS AZN 6.1 6.5	SEC TO 161. AZSUN -83.4 -82.5	IMPACT 215 AZA 47-3 44-5	ALT 368.96246 A• 19.10508 18.90237	ATLA 5 -8.5 8/A 0.899 0.912	AS PHOTO  T L1  508 -25  AZPHAZ  -93.6  -90.1	NO 169 INCD 67.8 66.5	R 2104-41 PHAZ EMI: 41.9 28- 47.0 24-2	POD S V 8 2-418 ALPHA 25-4 17-8	PTH A2 -67.169 115.558  SCALE PT-PT 0. 0-1 46.11199 1-2
JULY 31,1964 13 HF TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.147	RANGE 408.18615 397.74097 379.23667	AZS/C -34.6 -45.5 -46.0	AZN 6.1 6.5	SEC TO 161. AZSUN -83.4 -82.5 -81.1	IMPACT 215 AZA 47.3 44.5	ALT 368.96240 A* 19.10508 18.90237 17.86069	ATLA 5 -8.5 8/A 0.899 0.912 0.976	AS PHOTO  T L1  508 -25  AZPHAZ  -93.6  -90.1  -85.5	NO 169 1NCD 67.8 66.5	R 2104.41 PHAZ EMI: 41.9 28. 47.6 24.: 53.2 14.	POD S V 8 2-418 ALPHA 25-4 17-8 7 11-4	PTH AZ -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3
JULY 31,1964 13 HF TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747	RANGE 408-18615 397-74097	SEC 584 P AZS/C -34.6 -45.5	MS AZN 6.1 6.5	SEC TO 161. AZSUN -83.4 -82.5 -81.1	IMPACT 215 AZA 47.3 44.5	ALT 368.96246 A* 19-10508 18-90237 17-86069 18-36395 18-93430	ATL/ LA1 5 -8.5 8/A 0.899 0.912 0.976 0.944 0.907	AS PHOTO  L1 508 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7	NO 169 1NCD 67.8 66.5 65.0 66.3	R 2104.4 PHAZ EMI' 41.9 28. 47.6 24.5 53.2 14. 47.8 20.0 42.5 26.1	POD S  V 8 2.418 6 ALPHA 25.4 11.4 11.4 18.1	PTH AZ -67.169 115.558  SCALE PT-PT 0. 0-1 46.11139 1-2 55.30732 2-3 37.29684 3-4 39.85334 4-5
JULY 31,1964 13 HF TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.080 -20.557 6 -11.392 -20.360	RANGE 408-18615 397-74097 379-23667 388-27361 402-37971 412-68811	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1	AZN 6.1 6.5 4.4 5.9 7.5 8.3	SEC TO 161. AZSUN -83.4 -82.5 -81.1 -81.0 -82.6	TAB NO IMPACT 215  AZA 47-3 44-5 44-4 41-8 39-3 42-0	ALT 368.96240 Ae 19.10508 18.90237 17.86069 18.36395 18.93430 19.52057	ATLA LA1 5 -8.5 8/A 0.899 0.912 0.974 0.944 0.907 0.874	AS PHOTO F L1 508 -25 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1	NO 169 1NCD 67.8 66.5 65.0 66.3 67.6	R 2104.41 PHAZ EMI: 41.9 28.47.6 24.53.2 14.47.8 20.42.5 26.42.2 29.	POD S  V 8 2-418 6 ALPHA 25-4 17-8 7 11-4 18-1 1 24-9	PTH AZ -67-169 115-558 SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.691 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.131	RANGE 408.18615 397.74097 379.23667 402.37973 412.68811 428.74898	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3	AZN 6.1 6.5 4.4 5.9 7.5 8.3 9.2	SEC TO 161. AZSUN -83.4 -82.5 -81.1 -81.1 -81.0 -82.6 -84.4	TAB NO IMPACT 215  AZA 47-3 44-5 44-4 41-8 39-3 42-0 44-5	ALT 368.96240 Ae 19.10508 18.90237 17.86069 18.36395 18.93430 19.52057 20.19254	ATL/ LA1 5 -8.5 8/A 0.899 0.912 0.976 0.944 0.907 0.874 0.836	AS PHOTO  L1  508 -25  AZPHAZ  -93.6  -90.1  -85.5  -85.1  -84.7  -90.1	NO INCD 67.8 66.5 65.0 67.6 67.9	168  R 2104.4  PHAZ EMI: 41.9 28. 47.6 24. 53.2 14. 47.8 20. 42.5 26. 42.2 29. 42.5 34.	POD S  V .8 2-418	PTH AZ -67.169 115.558  SCALE PT-PT 0. 0-1 46.11139 1-2 55.30732 2-3 37.29684 3-4 39.85334 4-5
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.131 8 -12.783 -21.580 9 -12.773 -22.228	RANGE 408.18615 397.74097 379.23667 402.37973 412.68811 428.74898 412.63032 402.18054	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4	AZN 6.1 6.5 4.4 7.5 8.3 9.2 7.3	SEC TO 161. AZSUN -83.4 -82.5 -61.1 -81.0 -82.6 -84.4 -84.0	TAB NO  IMPACT 215  AZA 47.3 44.5 44.4 39.3 42.0 44.5 47.1 49.6	ALT 368.96240 A* 19.10508 18.90237 17.86069 18.36395 18.93430 19.52057 20.19254 19.51580 18.92493	ATLA LA1 5 -8.5 8/A 0.899 0.912 0.976 0.944 0.907 0.874 0.874 0.876 0.876	AS PHOTO  T L: 508 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1 -95.6 -95.1	NO N. 169 INCD 67.8 66.5 65.0 66.3 67.6 67.6 68.8 65.5	168  R 2104.4   PHAZ EMI: 41.9 28.4 47.6 24.5 53.2 14.4 47.8 20.4 42.2 29.4 42.5 34.4 47.9 29.5 33.3 26.6	POD S  V 8 2-418 6 ALPHA 25-4 17-8 11-4 124-9 6 24-6 23-2 16-4 9-7	PTH AZ -67.169 115.558 SCALE PT-PT 0- 146.11139 1-2 55.30732 2-3 37.29684 3-4 39.85334 4-5 40.16570 5-6 43.17110 6-7 42.81401 7-8 39.81107 8-9
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.691 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.131 8 -12.783 -21.580 9 -12.773 -22.928	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.74898 412.63032 402.18054 388.13714	AZS/C -34.6 -45.5 -46.0 -56.1 -54.4 -45.3 -36.4 -24.9 -32.7	MS AZN 6.5 6.5 4.4 5.5 8.3 9.3 5.3	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.0 -82.6 -84.4 -84.0 -83.6 -82.3	IMPACT 215  AZA 47.3 44.5 44.4 41.8 39.3 42.0 44.5 47.1 49.6 47.0	ALT 368.96240 A. 19.10508 18.90237 17.86069 18.36395 18.93430 19.52057 20.19254 19.51580 18.92493 18.35940	ATL/ LA15 -8.5 8/A 0.899 0.912 0.976 0.944 0.907 0.874 0.836 0.874 0.907	AS PHOTO  T L1  508 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1 -95.6 -95.1 -94.7 -90.1	NO N. 169 INCD 67.8 66.5 65.0 66.3 67.6 67.9 68.2 66.8 65.5	168  R 2104-41  PHAZ EMI: 41-9 28-, 47-6 24-, 53-2 14-, 47-8 20-, 42-5 26-, 42-2 29-, 42-5 34-, 47-9 29-, 53-3 26-, 53-1 20-,	POD S  V 8 2-418 6 ALPHA 7 11-4 1 18-1 1 24-9 6 24-6 1 23-2 6 16-4 9 9-7 1 11-0	PTH A2 -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.691 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.131 8 -12.783 -21.580 9 -12.773 -22.928 10 -11.452 -23.941 11 -10.214 -23.141 12 -9.276 -24.369	RANGE 408.18615 397.74097 379.23667 402.37973 412.68811 428.74898 412.63032 402.18054	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4	AZN 6.1 6.5 4.4 7.5 8.3 9.2 7.3	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.0 -82.6 -84.4 -84.0 -83.6 -82.3 -81.1	IMPACT 215  AZA 47-3 44-5 44-4 41-8 39-3 42-0 44-5 47-0 44-6 44-6	ALT 368.96240 A* 19.10508 18.90237 17.86069 18.36395 18.93430 19.52057 20.19254 19.51580 18.92493 18.35940 17.86069 16.59289	ATLA  LA1  5 -8.5  8/A  0.899  0.976  0.944  0.907  0.874  0.874  0.907  0.944  0.907	AS PHOTO  T L(508 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -95.1 -94.7 -90.1 -85.5 -82.5 -82.5	NO 100 100 100 60.5 65.0 66.3 67.6 68.2 66.8 65.3 65.0 63.7	R 2104-4:  PHAZ EMI: 41-9 28-, 47-6 24-, 53-2 14-, 42-5 26-, 42-2 29-, 42-5 34-, 47-9 29-, 53-3 26-, 53-3 26-, 53-3 26-, 53-9 29-, 53-3 26-, 53-9 6-,	POD S  V 8 2-418 5 ALPHA 25-4 17-8 11-8 1 24-9 1 24-9 1 23-2 1 16-4 9 -7 1 11-0 3 4-8	PTH A2 -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 9-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.131 8 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.9192 -23.219	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.74898 412.63032 402.18054 338.13714 379.23667 370.78935 375.20984	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4 -24.9 -32.7 -42.6 -65.8	MS AZ1154.5.97.334.84.77.1	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.1 -81.0 -82.6 -84.4 -84.0 -83.6 -82.8	TAB NO IMPACT 215  AZA 47.3 44.5 44.4 41.8 39.3 42.0 44.5 47.1 49.6 47.0 44.4 44.6 42.1	ALT 368.9624( Ae 19.10508 18.90237 17.68069 18.36395 19.52057 20.19254 19.51580 18.92493 18.35940 17.68069 16.59289 17.47161	ATL/ -8-5 8/A 0.899 0.976 0.944 0.907 0.874 0.836 0.874 0.907 0.973 1.000	AS PHOTO  T L' 508 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -94.7 -90.1 -95.5 -82.2 -81.5	NO 100 100 100 100 100 100 100 100 100 10	168  R 2104-4  PHAZ EMI: 41-9 28- 47-6 24- 53-2 14- 53-2 14- 58-3 26- 53-1 20- 53-1 20- 53-1 1 20- 53-7 11-	POD S  V 8 2-418 5 ALPHA 25-4 11-4 11-4 1 18-1 24-9 1 16-4 1 11-4	PTH AZ -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40.16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.691 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.131 8 -12.783 -21.580 9 -12.773 -22.028 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.003	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.7488 412.63032 402.18054 388.13714 379.23667 370.78935 375.20984	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4 -24.9 -32.7 -46.0	AZN 6.5 4.4 5.5 9.3 7.3 4.4 2.7	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.0 -82.6 -84.4 -84.0 -83.6 -82.3 -81.1	IMPACT 215  AZA 47-3 44-5 44-4 41-8 39-3 42-0 44-5 47-0 44-6 44-6	ALT 368.96240 A* 19.10508 18.90237 17.86069 18.36395 18.93430 19.52057 20.19254 19.51580 18.92493 18.35940 17.86069 16.59289	ATLA -8.5 8/A 0.899 0.912 0.976 0.944 0.907 0.874 0.907 0.874 0.907 0.973 1.000 0.968	AS PHOTO  T	NO 169 1NCD 67.8 66.5 65.0 67.9 68.2 66.8 65.3 65.0 63.7 64.0	R 2104-4:  PHAZ EMI: 41-9 28-, 47-6 24-, 53-2 14-, 42-5 26-, 42-2 29-, 42-5 34-, 47-9 29-, 53-3 26-, 53-3 26-, 53-3 26-, 53-9 29-, 53-3 26-, 53-9 6-,	POD S  V 8 2-418 25-4 17-8 11-4 124-9 24-6 123-2 16-6 16-4 19-7 11-0 11-0 11-1 17-6	PTH A2 -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 9-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.318 8 -12.783 -21.580 9 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.03 15 -9.001 -20.707 16 -8.892 -19.312	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.6881 428.74819 412.63032 402.18054 388.13714 317.23667 317.74935 317.20847 383.93498 397.51829	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -30.4 -22.9 -32.7 -46.0 -65.8 -74.2 -78.3 -78.3	MS AZN 16.5 6.5 6.5 7.5 8.2 7.3 4.4 2.7 4.5 5.9 8.2	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.0 -82.6 -84.4 -84.0 -83.6 -82.3 -81.1 -80.2 -80.9 -79.9 -79.7 -79.7 -79.7	IMPACT 215  AZA 47-3 44-5 44-5 44-5 47-1 49-6 47-1 49-6 47-1 49-6 47-1 39-5 37-5 37-5	ALT 368-96241 A- 19-10508 18-90237 17-86069 18-36395 18-36395 18-35940 18-92493 18-35940 17-46069 17-47161 17-47548 18-48080 19-99238	ATL/ -8.5 8/A 0.899 0.912 0.976 0.947 0.836 0.874 0.907 1.000 0.968 0.968 0.988 0.988	AS PHOTO  T	NO 169 1NCD 67.8 66.5 65.0 67.6 66.3 67.6 65.3 65.5 65.3 65.0 63.7 64.9 66.0 67.3	168  R 2104-41  PHAZ EMI: 41-9 28- 47-6 24- 53-2 14- 47-8 20- 42-5 26- 42-2 29- 42-5 34- 47-9 29- 53-3 26- 53-3 1 20- 53-3 1 20- 53-3 1 4- 43-4 17- 43-1 24- 43-1 24-	POD S  8 2-418 6 ALPHA 7 17-8 7 11-9 7 24-9 7 11-9 7 11-9 7 11-9 7 17-6 7 17-6 7 17-6 7 17-6 7 17-6 7 17-6 7 17-6 7 17-6	PTH AZ -67-169 115-558  SCALE PT-PT 0. 0-146-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13 36-45207 13-14 38-87953 14-15 41-89649 15-16
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.080 -20.357 6 -11.392 -20.360 7 -12.800 -20.131 8 -12.783 -21.580 9 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.003 15 -9.001 -20.707 16 -8.882 -19.312 17 -10.006 -19.115	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.74898 412.63032 402.18054 388.13714 370.7893 370.7893 370.7893 375.20984 383.93498 397.51829 416.59935 422.24797	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -24.9 -32.7 -46.0 -42.6 -65.8 -74.2 -78.3 -80.8 -70.7	MS AZN 1 6 6 . 5 5 . 9 7 . 5 3 3 4 . 4 2 7 1 5 6 . 9 9 . 0 9 9 9 . 0	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.0 -82.6 -84.4 -84.0 -82.3 -81.1 -80.2 -80.0 -79.9 -79.7 -79.4 -80.9	TAB NO  IMPACT 215  AZA 47-3 44-5 44-6 41-8 39-3 44-5 47-1 44-6 42-1 337-0 34-5 37-0 34-5	168  ALT 368.9624:  A. 19.10508 18.90237 17.86069 18.36395 18.39430 19.52057 20.19254 19.51580 18.92493 16.59289 17.47161 17.44548 18.48080 19.09238 19.58843	ATL/ LA1 5 -8.5 8/A 0.899 0.912 0.976 0.974 0.874 0.874 0.907 0.973 1.000 0.973 1.000 0.973 1.000 0.931 0.986 0.931 0.886 0.886 0.886	AS PHOTO  T	NO INCD 67.8 66.5 65.5 66.3 67.6 68.2 66.8 65.3 65.0 63.7 64.9 66.0 67.3 68.7	168  R 2104.4  PHAZ EMI: 41.9 28. 47.0 24. 53.2 14. 47.8 20. 42.5 26. 42.5 34. 47.9 29. 53.3 26. 53.1 26. 53.7 11. 48.4 17. 48.1 24. 38.0 30. 37.2 32.	POD S  V 8 2.418 6 ALPHA 25.4 7 11.4 9 18.1 9 24.9 6 24.6 1 11.8 7 11.4 7 11.4 6 24.6 7 11.6 7 11.6 7 11.7 8 4.8 6 11.1 7 17.6 7 24.2 7 30.7 8 31.6	PTH A2 -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13 36-45207 13-14 38-87953 14-15 41-89649 15-16
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.880 -20.557 6 -11.392 -20.360 7 -12.880 -20.31 8 -12.783 -21.580 9 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.003 15 -9.001 -20.707 16 -8.892 -19.312 17 -10.006 -19.115 18 -11.364 -18.856 19 -12.626 -18.551	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.74898 412.63032 402.18054 31714 3179.23667 370.78935 375.20984 383.93498 397.51829 416.59935 422.24797 433.75371 451.42702	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4 -24.9 -32.7 -46.0 -60.8 -74.2 -78.3 -80.8 -70.7 -60.6	MS AZN 6.1 6.5 4.8 4.8 4.7 15.5 9.0 8.2 9.00 11.2	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.0 -83.6 -84.4 -84.5 -84.5 -84.7 -84.6 -82.3 -81.1 -81.0 -79.9 -79.7 -79.4 -82.8 -84.8	IMPACT 215  AZA 47-3 44-5 44-4 41-8 39-3 42-5 47-1 49-6 47-0 44-6 42-1 37-0 37-5 37-5 37-5 37-5 37-5 37-5 37-5 37-5	168  ALT 368.9624:  19.10508 18.90237 17.860.69 18.36395 18.93430 19.52057 20.19254 19.51580 18.92493 18.35940 17.860.69 17.94548 18.480.80 19.90238 19.98843 20.23359	ATL/ LA1 5 -8.5 8/A 0.899 0.912 0.976 0.944 0.907 0.874 0.907 0.973 1.000 0.968 0.931 0.968 0.931 0.889 0.864 0.831 0.792	AS PHOTO  T L1 508 -25  AZPHA 2 -93.6 -90.1 -85.1 -85.1 -95.6 -95.6 -95.6 -94.7 -90.1 -85.5 -82.2 -81.5 -80.0 -78.9 -84.1	NO DN 169 INCD 67.8 66.5 65.0 66.3 65.7 64.9 66.0 66.3 65.0 66.3 65.0 66.3 65.0 66.3 65.0 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66	168  R 2104-4  PHAZ EMI: 41-9 28- 47-0 24- 53-2 14- 47-8 20- 42-5 26- 42-5 34- 47-9 29- 53-3 2 64- 53-7 11- 48-4 17- 38-0 30- 37-2 32- 36-9 35- 37-2 39-	POD S  8 2-418 6 ALPHA 25-4 17-8 11-4 18-1 18-1 19-4 19-6 24-6 11-1 11-0 11-0 11-0 11-1 3-4-8 5-11-1 11-1 11-1 3-4-8 3-1 3-4-8 3-1 3-4-8 3-1 3-3-3 3-3-3 3-3-3	PTH A2 -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13 36-45207 13-14 38-87953 14-15 41-89649 13-16 38-87953 14-17 41-84916 17-18 45-20192 18-19
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.080 -20.351 6 -11.392 -20.360 7 -12.800 -20.313 8 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.003 15 -9.001 -20.707 16 -8.892 -19.312 17 -10.006 -19.115 18 -11.364 -18.856 19 -12.826 -18.551 19 -12.826 -18.551	RANGE 408.18615 397.74097 319.23667 388.27361 402.37973 412.68811 428.74898 412.63032 402.18054 338.13714 319.23667 370.78935 375.20984 383.93498 494.6.59935 422.24797 433.75371 451.42702 476.33458	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4 -42.9 -32.9 -42.6 -65.8 -74.2 -78.3 -80.8 -70.6 -74.2 -78.3 -80.8 -70.6	MS AZN 6-1 6-5 7-5 3-9-2 7-3 4-4 2-7 5-5 6-9 9-0 10-0 11-2 11-2 11-2	SEC TO 161.  AZSUN -82-5 -81.1 -81.0 -84.4 -84.0 -83.6 -82.3 -80.2 -80.0 -79.9 -79.9 -82.8 -84.8 -87.1	IMPACT 215  AZA 47-3 44-5 44-8 39-3 044-5 47-1 49-6 47-1 39-5 37-0 34-5 36-9 39-5 42-1 44-6	ALT 368.9624: Ae 19.10508 18.90237 17.68069 18.36395 18.93430 19.52057 20.19254 19.51580 17.46069 16.59289 17.47161 17.94548 18.48080 19.09238 19.58843 20.23359 20.97879 21.85369	ATL/ LA15 8/A 0.899 0.912 0.976 0.976 0.874 0.907 0.874 0.973 1.000 0.973 1.000 0.976 0.973 0.938 0.931 0.886 0.831 0.792 0.742	AS PHOTO  T	NO DN 1.69 INCD 67.8 66.5 0 66.6 5.6 67.6 65.3 67.6 65.3 65.3 65.3 65.3 65.3 69.8 69.8 69.8	168  R 2104-4  PHAZ EMI: 41-9 28- 47-6 24- 53-2 14- 53-2 14- 58-3 3 26- 53-1 20- 53-1 1- 58-9 6- 53-7 11- 48-4 17- 38-0 30- 37-2 39- 36-9 35- 37-2 39-	POD S  8 2-418  6 ALPHA  25-4  17-8  11-4  18-1  24-9  1-23-2  16-1  11-0  7 11-0  7 11-0  7 11-0  3 4-8  5 11-1  7 17-6  3 31-6  3 31-6  3 31-6  3 31-6  3 31-6  3 31-6	PTH AZ -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13 36-45207 13-14 38-87953 14-15 41-89649 15-16 34-24373 16-17 41-84916 17-18 45-20192 18-19 49-55554 19-20
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.880 -20.557 6 -11.392 -20.360 7 -12.880 -20.31 8 -12.783 -21.580 9 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.003 15 -9.001 -20.707 16 -8.892 -19.312 17 -10.006 -19.115 18 -11.364 -18.856 19 -12.626 -18.551	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.74898 412.63032 402.18054 31714 3179.23667 370.78935 375.20984 383.93498 397.51829 416.59935 422.24797 433.75371 451.42702	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4 -42.9 -32.9 -42.6 -65.8 -74.2 -78.3 -80.8 -70.6 -74.2 -78.3 -80.8 -70.6	MS AZN 6.1 6.5 4.8 4.8 4.7 15.5 9.0 8.2 9.00 11.2	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.0 -83.6 -84.4 -84.5 -84.5 -84.7 -84.6 -82.3 -81.1 -81.0 -79.9 -79.7 -79.4 -82.8 -84.8	IMPACT 215  AZA 47-3 44-5 44-4 41-8 39-3 42-5 47-1 49-6 47-0 44-6 42-1 37-0 37-5 37-5 37-5 37-5 37-5 37-5 37-5 37-5	168  ALT 368.9624:  19.10508 18.90237 17.860.69 18.36395 18.93430 19.52057 20.19254 19.51580 18.92493 18.35940 17.860.69 17.94548 18.480.80 19.90238 19.98843 20.23359	ATLA  LA1  -8.5  8/A  0.992  0.976  0.944  0.907  0.874  0.907  0.973  1.000  0.968  0.973  1.000  0.968  0.973  0.792  0.7746	AS PHOTO  T L(508 -25  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -94.7 -90.1 -85.5 -82.2 -81.5 -80.0 -78.9 -84.1 -90.2 -96.2	NO DN .169 INCD 66.8 5 66.8 5 66.8 65.0 66.7 6 66.0 66.0 66.0 66.0 68.2 66.0 68.2 66.0 68.3 66.0 68.7 66.0 69.3 69.8 70.3 70.3 70.3	168  R 2104-4  PHAZ EMI: 41-9 28- 47-0 24- 53-2 14- 47-8 20- 42-5 26- 42-5 34- 47-9 29- 53-3 2 64- 53-7 11- 48-4 17- 38-0 30- 37-2 32- 36-9 35- 37-2 39-	POD S  8 2-418  2 2-418  1 17-8  1 11-4  1 18-1  1 24-9  2 24-6  1 16-1  1 11-0  7 11-4  3 4-8  5 11-1  7 17-6  3 31-5  3 30-7  3 31-5  3 30-7  3 20-6	PTH AZ -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1- 2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81007 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13 36-45207 31-14 38-87953 14-15 41-89649 15-16 34-24373 16-17 41-84916 17-18 45-20192 18-19 49-55554 19-20 49-16950 20-21 44-82988 21-22
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.131 8 -12.783 -21.580 9 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.003 15 -9.001 -20.707 16 -8.892 -9.912 17 -10.006 -19.115 18 -11.364 -18.856 19 -12.826 -18.851 20 -14.423 -18.851 21 -14.329 -19.860 22 -14.256 -21.386	RANGE 408.18615 397.74097 379.23667 378.27361 402.3737 412.68811 428.74898 412.63032 402.18054 388.13714 379.23667 370.78935 375.20984 410.57937 413.75371 451.42702 476.33458 451.45928 433.72181	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4 -24.9 -32.7 -46.0 -65.8 -70.7 -60.1 -60.1 -70.7 -60.6 -70.7 -60.0 -70.7 -60.0 -70.7	MS AZN 6.16 6.5 6.9 7.5 6.9 8.20 10.00 11.2.7 10.4 8.8	SEC TO 161.  AZSUM -82.5 -81.1 -81.1 -82.6 -84.4 -82.3 -81.1 -82.3 -81.1 -82.3 -81.1 -82.3 -81.1 -82.3 -81.1 -82.3 -85.6 -85.6 -85.6	TAB NO IMPACT 215  AZ A 47-3 44-5 44-4 41-8 39-3 42-0 44-6 47-1 49-6 42-1 39-5 37-0 34-5 37-0 34-6 42-1 44-6 44-6 44-1 44-6 44-6 44-6 44-6 44	168  ALT 368.96241  19.10508 18.90237 17.86069 18.36395 18.952057 20.19254 19.51580 18.92493 18.35940 17.86069 18.35940 17.94548 18.48080 19.09238 19.58843 20.233599 20.97879 21.85369 20.97390 20.22385	ATLA  -8.5  8/A  0.899  0.912  0.976  0.974  0.874  0.874  0.976  0.973  1.000  0.864  0.792  0.746  0.772  0.831  0.863	AS PHOTO    Li   100   1	NO NO 169 1NCD 66.5 66.3 67.9 66.8 66.8 66.8 66.9 66.8 66.9 66.8 66.9 66.8 66.9 66.9	168  R 2104-4  PHAZ EMI: 41-9 28- 47-0 24- 53-2 14- 47-8 20- 42-5 26- 42-2 29- 42-5 33-3 26- 53-1 20- 53-1 120- 53-1 120- 53-7 11- 43-1 24- 38-0 36- 38-2 34- 38-3 32- 38-2 34- 38-3 35- 37-2 39- 38-2 34- 38-3 35- 53-8 35-	POD S  8 2-418  ALPHA 25-4 17-8 11-4 18-1 24-9 18-1 11-0 11-0 11-0 11-0 11-0 11-0 11-0	PTH A2 -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13 36-45207 13-14 38-87953 14-15 41-89649 15-16 34-24373 16-17 41-84916 17-18 45-20192 18-19 49-55554 19-20 49-16950 20-21 44-82988 21-22 44-82988 21-22 44-82988 21-22
JULY 31,1964 13 H6  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -23.141 4 -10.149 -21.891 5 -10.880 -20.350 7 -12.880 -20.350 7 -12.880 -20.350 9 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.350 13 -9.192 -23.219 14 -9.101 -22.003 15 -9.001 -20.707 16 -8.892 -19.312 17 -10.006 -19.115 18 -11.364 -18.856 19 -12.826 -18.551 20 -14.423 -18.187 21 -14.329 -19.860 22 -14.256 -21.386 23 -14.200 -22.797 44 -1566 -21.386	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.74898 412.63032 402.18054 431.714 379.23667 370.78935 375.2098 383.93498 397.51829 416.59937 433.75371 451.42702 476.33458 451.45928 433.72181 422.06343 415.65357	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -45.3 -36.4 -24.9 -32.7 -66.0 -65.8 -74.2 -78.3 -80.8 -70.7 -60.6 -52.1 -38.4 -30.0 -20.0 -8.6	MS A6.15 46.49 7 7.33 8.32 12.24 15.69 9 0.00 111.27 12.12 12.45 15.85 53.55	SEC TO 161.  AZSUN -83.4 -82.5 -81.1 -81.0 -83.6 -84.4 -84.0 -83.6 -84.6 -84.0 -79.9 -79.7 -79.4 -86.8 -87.1 -86.3 -85.6 -85.0 -84.5	IMPACT 215  AZA 47-3 44-5 44-6 439-3 044-5 47-1 49-6 47-1 39-5 37-5 37-5 42-1 44-6 42-	ALT 368.9624: Ae 19.10508 18.90237 17.86069 18.36395 18.39430 19.52057 20.19254 19.51580 18.35940 17.4616 17.94548 18.48080 19.09238 19.09238 19.09238 20.23359 20.97390 20.23385	ATLA  -8.1  8/A  0.899  0.974  0.974  0.874  0.976  0.976  0.973  1.000  0.968  0.973  0.889  0.792  0.792  0.792  0.874  0.9889  0.792  0.889	AS PHOTO  T 108 -25  AZPHAZ -93.6 -90.1 -85.5 -1 -95.6 -95.6 -95.6 -95.6 -95.7 -95.6 -95.7 -96.7 -96.7 -96.7 -1	NO DN 1169 1NCD 67.8 665.0 66.6 3 67.6 66.8 65.3 65.0 66.4 9 66.0 3 69.0 66.7 9.3 69.0 66.0 67.3 68.7 67.2 66.6 68.7 67.2 65.8 68.7 67.2 65.8 68.7	168  R 2104-4  PHAZ EMI: 41-9 28- 41-7 6 24- 53-2 14- 47-8 20- 42-5 26- 47-9 29- 53-3 26- 53-1 21- 48-4 17- 38-0 30- 37-2 32- 36-9 35- 37-2 32- 36-9 35- 37-2 32- 36-9 35- 37-2 33- 37-2 33- 37-2 33- 37-3 33- 48-6 33- 53-8 32- 53-8 32- 59-0 30-	POD S  8 2-418  ALPHA 25.4  17.8  11.4  18.1  24.9  12.4  11.4  11.4  11.6  11.0  24.9  11.0  24.9  31.6  31.6  31.6  31.6  31.6  31.6  31.6  31.6  31.6  31.6  31.6  31.6	PTH AZ -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1- 2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81007 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13 36-45207 31-14 38-87953 14-15 41-89649 15-16 34-24373 16-17 41-84916 17-18 45-20192 18-19 49-55554 19-20 49-16950 20-21 44-82988 21-22
JULY 31,1964 13 H6  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.880 -20.350 7 -12.880 -20.350 7 -12.880 -20.318 8 -12.783 -21.580 9 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.03 15 -9.001 -20.707 16 -8.882 -19.312 17 -10.006 -19.115 18 -11.364 -18.856 19 -12.826 -18.551 20 -14.423 -18.187 21 -14.329 -19.860 22 -14.256 -21.386 23 -14.200 -22.797 44 -15.156 -24.119 25 -12.770 -24.194 26 -11.56 -24.119	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.74898 412.63032 402.18054 412.63032 402.18054 388.13714 379.23667 370.7893 375.20984 383.93498 397.51829 416.59935 422.24797 433.75371 451.42702 476.33458 451.4592 451.45935 376.67365 376.67365 383.22611	AZS/C -34.6 -45.5 -46.0 -58.7 -66.1 -45.3 -36.4 -24.9 -32.7 -46.0 -65.8 -74.2 -78.3 -80.8 -70.7 -60.6 -52.1 -45.2 -38.6 -10.9 -20.9	MS AZN16.15 6.9 7.5 7.5 9.2 7.3 3.4.8 4.4.7 4.11 56.9 11.2.7 10.4 8.8 11.2.7 10.4 8.1 3.5 3.3 3.0	SEC TO 161.  AZSUN -82.5 -81.1 -81.0 -84.4 -82.5 -84.1 -181.0 -83.6 -84.4 -84.0 -83.6 -84.6 -84.6 -85.6 -85.6 -85.6 -85.6 -85.6 -85.6 -85.6 -85.6 -85.6 -85.6 -85.8 -85.	IMPACT 215  AZA 3 44-5 44-6 47-8 39-0 44-5 47-1 49-6 47-1 337-5 36-9 39-5 14-6 47-6 47-6 47-6 47-6 47-6 47-6 47-6 4	168  ALT 368.9624:  19.10508 18.90237 17.86069 18.36395 18.3940 17.186069 16.5928 18.35940 17.47161 17.44548 18.48080 19.09238 19.58843 20.23359 20.97879 21.85369 20.92385 19.57395	ATL/  LA1  6 -8.:  8 -8.:  8 -8.:  9 -9.:  0 -912  0 -972  0 -972  0 -973  1 -000  0 -984  0 -973  1 -000  0 -988  0 -912  0 -814  0 -813  0 -815  0 -817  0 -	AS PHOTO  T	NO DN 169 INCD 65.8 66.5 0 66.3 66.3 66.3 65.3 65.0 65.3 69.0 68.7 69.0 69.8 870.3 69.8 69.8 69.0 66.8 69.0 66.8 69.0 66.8 69.0 66.8 69.0 66.8 69.0	168  R 2104.4  PHAZ EMI: 41.9 28. 47.0 24. 53.2 14. 47.8 20. 42.5 34. 47.9 29. 53.3 2 64. 47.9 29. 53.3 2 64. 47.9 39. 53.7 11. 48.4 17. 38.0 30. 37.2 32. 36.9 35. 37.2 39. 38.2 44. 43.3 39. 38.3 26. 53.6 35. 58.6 23.	POD S  8 2-418  6 ALPHA  25.4  17.8  11.4  1 24.9  6 24.6  1 7.1  11.0  7 11.4  3 31.6  7 12.4  2 4.2  7 30.7  3 31.5  3 31.5  3 30.7  3 31.5  4 3.8  3 14.0  7 54  1 1.0  7 57  8 3 31.5  9 7 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 7 1 1.0  9 8 3 4.0  9 8 3 30.7  9 8	PTH A2 -67.169 115.558  SCALE PT-PT 0. 0-1 46.11139 1-2 55.30732 2-3 37.29684 3-4 39.85334 4-5 40.16570 5-6 43.17110 6-7 42.81401 7-8 39.81107 8-9 40.17319 9-10 37.61724 10-11 46.35820 11-12 36.45207 13-14 38.87953 14-15 41.89649 15-16 34.2437 16-17 41.84916 17-18 45.20192 18-19 49.55554 19-20 49.16950 20-21 44.82988 21-22 41.48039 22-23 38.83950 22-24 42.04167 24-25 39.04574 25-25
JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.735 -20.362 2 -11.421 -21.747 3 -10.214 -23.141 4 -10.149 -21.891 5 -10.080 -20.557 6 -11.392 -20.360 7 -12.800 -20.131 8 -12.783 -21.580 9 -12.773 -22.928 10 -11.452 -23.041 11 -10.214 -23.141 12 -9.276 -24.369 13 -9.192 -23.219 14 -9.101 -22.003 15 -9.001 -22.003 15 -9.001 -20.707 16 -8.892 -19.312 17 -10.006 -19.115 18 -11.344 -18.856 19 -12.826 -18.551 20 -14.423 -18.187 21 -14.329 -19.660 22 -14.256 -21.386 23 -14.200 -22.797 24 -14.156 -24.119 5 -12.770 -24.194	RANGE 408.18615 397.74097 379.23667 388.27361 402.37973 412.68811 428.74881 428.74893 3475.2084 412.63032 402.18054 388.13714 319.23667 370.78935 375.20984 418.5935 422.24797 451.42702 476.33458 451.45928 433.72181 422.026343 415.65357 396.67365 383.22611 374.67568	AZS/C -34.6 -45.6 -45.6 -46.0 -58.7 -66.1 -54.4 -45.3 -36.4 -24.9 -32.7 -46.0 -65.2 -78.3 -80.8 -70.7 -50.6 -52.1 -53.4 -30.0 -8.6 -52.1 -53.6 -10.9 -10.9 -14.9 -23.2	MS AC.15.6.5 4.49 7.5.3 4.4.4 7.7 5.5.5 6.92 9.00 111.2.7 120.4 8.8.3 3.5 8.8 3.2	SEC TO 161.  AZSUA -82.5 -81.1 -81.1 -82.6 -84.0 -82.3 -81.1 -80.0 -79.9 -79.7 -79.4 -80.9 -83.3 -82.1 -86.3 -82.3 -82.1 -81.1 -86.3 -82.3 -82.1 -81.1 -81.1 -86.3 -82.1 -81.1	TAB NO IMPACT 215  A7.3 44.5 44.6 41.8 39.0 47.1 44.6 47.1 49.0 47.1 49.0 47.1 49.0 47.1 49.0 47.1 49.0 47.1 49.0 47.1 49.0 47.1 49.0 47.1 49.0 47.1 49.0	168  ALT 368.96241  A. 19.10508 18.90237 17.86069 18.36395 18.95297 19.51580 18.92493 18.35940 17.46069 16.59289 17.47161 17.94548 18.48080 19.09238 19.58843 20.23385 20.97879 21.85369 20.97879 21.85369 20.97390 20.22385	ATL/ LA1 -8.: 5 -8.: 6 -8.99 0.912 0.976 0.976 0.974 0.977 1.000 0.974 0.973 1.000 0.976 0.974 0.973 1.000 0.978 0.989 0.684 0.792 0.889 0.684 0.792 0.889 0.889 0.992 0.889	AS PHOTO    List	NO INC D67.8 66.5 66.5 66.7.9 68.2 65.5 65.3 65.3 66.0 69.3 67.3 69.3 68.7 69.3 68.7 69.3 68.7 64.3 64.3 64.3 64.3	168  R 2104-41  HA2 EMI: 41-9 28- 47-6 24- 53-2 14- 47-8 20- 42-5 29- 42-5 33- 26- 53-1 20- 53-1 120- 53-1 120- 53-1 130- 38-9 38- 38-9 38- 38-9 38- 38-9 38- 38-9 38- 53-8 37	POD S  8 2-418  ALPHA 25-4 17-8 11-8 12-9 12-9 12-9 11-9 11-9 11-9 11-9 11-9	PTH A2 -67-169 115-558  SCALE PT-PT 0. 0-1 46-11139 1-2 55-30732 2-3 37-29684 3-4 39-85334 4-5 40-16570 5-6 43-17110 6-7 42-81401 7-8 39-81107 8-9 40-17319 9-10 37-61724 10-11 46-35820 11-12 34-47122 12-13 36-45207 13-14 38-87953 14-15 41-8949 15-16 34-24373 16-17 41-84916 17-18 45-20192 18-19 49-35554 19-20 49-16950 20-21 44-82988 21-22 44-82988 21-22 44-82988 21-22 38-83950 23-24

				NA - 411	CAREKA	FA						85
JULY 31,1964 13 Hi	R 23 MIN 12	SEC 704	MS		TAB NO	169	ATL	AS PHOTO	ON C	169	POD	SEQUENCE NO 344
TRAJECTORY DATA				SEC TO			LA		.ON	R	٧	PTH AZ
PHOTO DATA				156.	095	357,5423	98,	565 -25	• 049	2092 9	98 2.423	-67.088 115.538
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A+	B/A	AZPHAZ	INCD	PHAZ EMI	ALPHA	SCALE PT-PT
1 -10.730 -20.374	395.60100	-34.8				18.52327	0.899	-93.6	67.8	41.9 28.0	25.3	0. 0-1
2 -11.400 -21.704 3 -10.229 -23.056	385-65058	-45.6	6.5	-82.5	44.4	18.32778	0.912	-90.1	66.6	47.6 24.	17.8	44.44697 1- 2
4 -10.167 -21.845	376-46758	-58-7	6.0	-81.1	44.3	17.31555	0.976	-85.5	65.1	53.2 14.6	11.5	53.63865 2- 3
5 -10 -100 -20 -550	390.16597	-66.0	7.5	-81.0	39.4	18.35954	0.945	-84.7	67.6	42.5.26	24.0	30.1/131 3- 4
6 -11.372 -20.359	400.16312	-54.4	8.3	-82.6	41.9	18.92813	0.874	-90.1	67.9	42.2 29.	24.6	38.94693 5- 6
7 -12.736 -20.137	415.70169	-45.4	9.2	-84.4	44.4	19.57806	0.836	-95.6	68.2	42.5 34.0	23.2	41.84633 6- 7
9 -12 - 120 - 21 - 542	400.05905	-36.6	7.2	-84.0	46.9	18.92121	0.875	-95.1	66.9	47.9 29.	16.5	41.51589 7-8
_1011.430 -22.959	376.29385	-32.9	4.8	-82.3	46.9	17 79921	0.907	-94.7	65.6	53.3 25.9	9.8	38.60779 8- 9
11 -10.229 -23.056	367.66177	-46.2	4.4	-81.1	44.3	17.31555	0.976	-85.5	65.1	53.2 14.8	11.5	36.46999 10-11
12 -9.321 -24.247	359.39171	-43.0	2.7	-80.2	44.4	16.08659	0.974	-82.2	63.9	58.9 6.4	4.9	44.95307 11-12
13 ~9.239 ~23.132	363.73687	-65.7	4.1	-80.0	42.0	16.93733	0.999	-81.5	64.9	53.7 11.6	11.2	33.42214 12-13
15 -9.054 -20.697	385.42839	-74.0 -78.2	6.0	-79.9	37.1	17.39868	0.967	-80.8	66.1	48.4 17.8	17.7	35.34964 13-14
16 -8.948 -19.343	403.91973	-80.6	8.2	-79.3	34.7	18.51119	0.731	-78-9	68.7	38-0 30-1	30.7	37.7U315 14-15
17 -10.028 -19.153	409.41996	-70.7	9.0	-80.9	36.9	18.99332	0.864	-84.1	68.9	37.2 32.3	31.6	33.20632 16-17
3 -10.229 -23.056 -4-10.167 -21.845 5 -10.100 -20.550 6 -11.372 -20.359 7 -12.736 -20.137 8 -12.720 -21.542 9 -12.711 -22.849 -1011.430 -22.959 11 -10.229 -23.056 12 -9.321 -24.247 13 -9.239 -23.132 14 -9.150 -21.954 15 -9.054 -20.697 -16 -8.4948 -19.343 17 -10.028 -19.153 18 -11.344 -18.901 19 -12.762 -18.607 20 -14.309 -18.256	420.57249	-60.6	10.0	-82.8	39.5	19.61877	0.831	-90.2	69.3	36.9 35.	31.5	40.57651 17-18
20 +14 300 -18 354	437.66092	-52.1	11.2	-84.8	42.0	20.33909	0.792	-96.2	69.7	37.2 39.2	30.0	43.80753 18-19
21 -14-218 -19-876	437.63346	-38.5	10.3	-86.3	44.7 47.0	20.33152	0 793	-102.1	70.2	38.2 43.8 43.3 39.2	27.1	47.98308 19-20
_22 -14 - 148 - 21 - 355	420.43476	-30.4	0.1	85.7	10.4	19,60421	0.832	-100.1	67.2	48.6 35.2	14.1	47.63574 20-21 43.45847 21-22
23 -14.092 -22.723	409.09210	-20.2	5.8	-85.1	51.9	18.97228	0.865	-99.3	65.9	53.8 32.4	1.0	40.21937 22 23
24 -14.050 -24.003	402.80939	-8.8	3.6	-84.6	54.4	18.41634	0.894	-98.6	64.7	59.0 30.3	1.3	37.65423 23-24
25 -12.707 -24.077 26 -11.460 -24.142	371 46712	-11.2	3.3	-83.4 -82.2	51.9	17.83727	0.935	-94.4	64.4	58.5 23.8		
27 -10.289 -24.201	363.17745	-23.7	2.8	-81.1	45.3	16.82347	0.912	-90.1 -85.8	64.0	58.4 17.3 58.5 11.1	5.1	37.83780 25-26 35.51368 26-27
28 -9.321 -24.247	359.39171	-43.0	2.7	-80-2		16-08659	0.974	-03.3	63.0	_58.9 6.4	4.9	29.33831 27-28
							46717	-04.4	03.7.			
JULY 31.1964 13 HR					TAB NO							SEQUENCE NO 346
JULY 31,1964 13 HR			MS	,	TAB NO	170	ATL	AS PHOTO	ON C	170	POD :	SEQUENCE NO 346
TRAJECTORY DATA	R 23 MIN 17	SEC 824	MS	SEC TO	TAB NO	170 AL T	ATL.	AS PHOTO	0 NO	170 R	POD :	SEQUENCE NO 346
TRAJECTORY DATA	R 23 MIN 17	SEC 824	MS	SEC TO _ 150.	TAB NO	170	ATL	AS PHOTO T L 622 -24	O NO ON .927	170 R 2081.55	POD :	PTH AZ -67.007 115.519
TRAJECTORY DATA PHOTO DATA PT LAT LON	23 MIN 17	SEC 824	MS	SEC TO _ 150.	IMPACT 975 .	170 ALT 346-10416	ATL	AS PHOTO  1 L 622 -24	O NO ON .927	170 R 2081.55 PHAZ EMIS	POD :	PTH AZ -67.007 115.519 SCALE PT-PT
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10-724 -20-386	R 23 MIN 17  RANGE 382.99288	SEC 824	MS AZN 6-1	SEC TO _ 150. AZSUN -83.5	IMPACT 975	ALT 346-10416 A* 17.94032	ATL LA 68.6 8/A 0.899	AS PHOTO  T L 622 -24  AZPHAZ -93-6	ON ON .927	170 R 2081.55 PHAZ EMIS 42.0 27.5	POD 5	PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10-724 -20-386	R 23 MIN 17  RANGE 382.99288	SEC 824	MS AZN 6-1	SEC TO _ 150. AZSUN -83.5 -82.5	TAB NO  IMPACT 975  AZA 46.9 44.3	ALT 346.10416 A* 17.94032 17.75192	ATL LA 68.6 8/A 0.899 0.911	AS PHOTO  T L 622 -24  AZPHAZ -93-6 -90-1	ON .927	R 2081-55 PHAZ EMIS 42-0 27-5 47-6 24-3	POD 5	PTH AZ -67.007 115.519 SCALE PT-PT 0. 0-1 42.80290 1-2
PHOTO DATA PHOTO DATA PT LAT LON 1 -10.724 - 20.386 2 -11.380 - 21.661 3 -10.246 - 22.972 4 -10.185 - 21.798	RANGE 382.99288 373.53341 356.06271 364.63331	AZS/C -35.0 -45.7 -46.3 -58.7	MS AZN 6.1 6.6 4.4 6.0	SEC TO 150. AZSUN -83.5 -82.5 -81.1	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8	ALT 346.10416 A• 17.94032 17.75192 16.76927	ATL 68.6 8/A 0.899 0.911 0.975	AS PHOTO  T L 622 +24  AZPHAZ -93.6 -90.1 -85.5	ON .927 INCD 67.8 66.6 65.2	R 2081-55 PHAZ EMIS 42-0 27-6 47-6 24-3 53-2 14-5	POD 5  9 2.429  ALPHA 25.3 17.9 11.6	PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078	AZS/C -35.0 -45.7 -46.3 -58.7	MS AZN 6.1 6.6 4.4 6.0 7.5	SEC TO 150. AZSUN -83.5 -82.5 -81.1 -81.0	TAB NO IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4	ALT 346.10416 A* 17.94032 17.75192 16.76927 17.24581 17.78331	ATL 68.6 8/A 0.899 0.911 0.975 0.943 0.906	AS PHOTO  T L 622 +24  AZPHAZ -93-6 -90-1 -85-5 -85-1 -84-7	ON .927 INCD 67.8 66.6 65.2 66.3 67.6	R 2081-55 PHAZ EMIS 42-0 27-9 47-6 24-3 53-2 14-5 47-8 20-2 42-5 26-1	POD 5  V 59 2.429  ALPHA 25.3 17.9 11.6 21.6 224.9	PTH AZ -67-007 115-519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.600825	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0	AZN 6.1 6.4 6.0 7.5 8.3	SEC TO 150. AZSUN -83.5 -82.5 -81.1 -81.0 -81.0	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9	ALT 346.10416 A. 17.94032 17.75192 16.76927 17.24581 17.78331 18.33428	ATL LA 58.6 0.899 0.911 0.975 0.943 0.906 0.874	AS PHOTO  T L. 622 -24  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1	ON .927 INCD 67.8 66.6 65.2 66.3 67.6 67.9	R 2081-55 PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 47-8 20-2 42-5 26-1 42-2 29-5	POD 5  V 59 2.429  ALPHA 25.3 17.9 11.6 18.2 24.9 24.6	PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.90597 2-3 35.04245 3-4 37.42214 4-5 37.72285 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.662836	AZS/C -35.0 -45.3 -58.7 -66.0 -54.4 -45.5	AZN 6.1 6.6 4.4 6.0 7.5 8.3	SEC TO 150. AZSUN -83.5 -82.5 -81.1 -81.0 -81.0	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9	ALT 346-10416 Ae 17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.96235	ATL LA 68.4 0.899 0.911 0.975 0.943 0.906 0.874 0.837	AS PHOTO T L 622 +24 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1 -95.6	ON .927 INCD 67.8 66.6 65.2 66.3 67.6 67.9	R 2081-55 PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 47-8 20-2 42-5 26-1 42-2 29-5 42-5 34-0	POD 5  V 9 2.429  ALPHA 25.3 17.9 11.6 18.2 24.9 24.6 23.2	SEQUENCE NO 346  PTH AZ 1-67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.72585 5-6 40.52059 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.357 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.46825 387.46621 377.56621	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -45.5 -36.7	AZN 6.1 6.6 4.4 6.0 7.5 8.3 9.2 7.2 7.3	SEC TO 150. AZSUN -83.5 -82.5 -81.1 -81.0 -81.0 -82.6 -84.4	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9 44.4 46.7	ALT 346.10416 A. 17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.96235 18.32550	ATL  LA 68.6  8/A 0.899 0.911 0.975 0.943 0.906 0.874 0.8875	AS PHOTO  T L 622 -24  AZPHAL -93.6 -90.1 -85.5 -85.1 -84.7 -90.1 -95.6	ON .927 INCD 67.8 66.6 65.2 66.3 67.6 67.9	R 2081-55 PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 47-8 20-2 42-5 26-1 42-2 29-5 42-5 34-0 47-9 29-5	POD :  9 2.429  ALPHA 25.3 17.9 11.6 18.2 24.9 24.6 23.2	SEQUENCE NO 346  PTH AZ -67.007 115.519  SCALE PTPT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.42245 3-4 37.42245 5-6 40.52059 6-7 40.21464 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 387.46431 377.56621 364.42788	AZS/C -35.0 -35.7 -46.3 -58.7 -66.0 -54.4 -45.5 -36.7 -25.4	MS AZN 6.1 6.6 4.4 6.0 7.5 9.2 7.2 5.3	SEC TO _ 150.  AZSUN -83.5 -82.5 -81.1 -81.0 -81.0 -82.6 -84.4 -84.1 -83.7 -82.7	TAB NO IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9 44.4 46.7 49.2 46.7	ALT 346-10416 A* 17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.96235 18.32550 17.76663 17.23793	ATL  LA  68.6  8/A  0.899 0.911 0.975 0.943 0.807 0.877 0.877	AS PHOTO  T L 622 -24  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1 -95.6 -95.1 -94.7 -90.1	ON -927 INCD 67.8 66.6 65.2 66.3 67.6 67.9 68.2 66.9	170  R 2081-55  PHAZ EMIS 42-0 27-54 47-6 24-3 53-2 14-5 47-8 20-2 42-5 26-1 42-2 29-5 42-5 34-0 47-9 29-5 53-3 25-5	POD :  V 9 2.429  ALPHA 25.3 11.6 18.2 24.9 24.9 24.9 16.5 9.9	SEQUENCE NO 346  PTH AZ -67.007 115.519  SCALE PTPT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.4274 4-5 37.7285 5-6 40.52059 6-7 40.21464 7-8 37.40154 8-9 37.70049 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.724 - 20.386 2 -11.380 -21.661 3 -10.246 - 22.972 4 -10.185 - 21.798 5 -10.120 - 20.544 6 -11.352 - 20.359 7 -12.673 - 20.144 8 -12.658 - 21.505 9 -12.648 - 22.770 10 -11.408 - 22.877 11 -10.246 - 22.972	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 337.56621 344.42788 356.06271	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -45.5 -36.7 -25.4 -33.2	MS AZN 6.1 6.6 4.4 6.0 7.5 8.2 7.2 5.3 4.8	SEC TO 150.  AZSUN -83.5 -62.5 -81.1 -81.0 -82.6 -84.4 -84.1 -83.7 -82.4 -81.1	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9 44.4 46.7 49.2 46.7	ALT 346.10416 A. 17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.96235 18.32550 17.76663 17.23793 16.76927	ATL  LA:  68.6  8/A 0.899 0.911 0.975 0.943 0.906 0.877 0.875 0.947 0.875 0.947	AS PHOTO  T	ON .927 INCD 67.8 66.6 65.2 66.3 67.9 68.2 66.9 65.7 65.2	R 2081-55 PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 47-8 20-2 42-5 26-1 42-2 29-5 42-5 34-0 47-9 29-5 53-0 20-0 53-0 20-1 53-2 14-5	POD 5  V 9 2.429 6 ALPHA 25.3 17.9 11.6 18.2 24.9 24.6 24.6 18.5 9.9 11.2	SEQUENCE NO 346  PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.40274 4-5 37.40274 4-5 37.40274 4-7 837.40154 8-9 37.40049 9-10 35.32091 10-11
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.972	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 387.46431 377.56621 364.4278 366.06271 374.974	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -45.5 -36.7 -25.4 -33.2 -46.3	MS AZN 6.1 6.6 4.4 6.5 8.3 9.2 7.2 4.8 4.4	SEC TO 150.  AZSUN -83.5 -62.5 -81.1 -81.0 -82.6 -84.4 -84.1 -83.7 -82.6 -84.1 -83.7 -82.6 -84.1 -83.7 -82.6 -84.1 -83.7 -82.4 -84.1 -83.7 -82.6 -84.1 -83.7 -82.1 -83.0 -82.0	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9 44.4 46.7 49.2 46.7 44.2	ALT 346.10416 Ae 17.75192 16.76927 17.24581 17.78331 18.33428 18.96235 18.96235 17.76663 17.23793 16.76927 15.57931	ATL  LA  68.4  0.899 0.911 0.975 0.943 0.906 0.874 0.837 0.875 0.907 0.974	AS PHOTO  T L 622 -24  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -95.6 -95.1 -90.1 -85.5 -82.5	ON .927 INCD 67.8 66.6 65.2 66.3 67.6 67.9 68.9 65.7 65.4 65.4	170  R 2081-55  PHAZ EMIS 42-0 27-54 47-6 24-3 53-2 14-5 42-5 26-1 42-2 29-5 42-5 34-0 47-9 29-5 53-0 20-0 53-2 14-5 58-9 6-5	POD : V V	SEQUENCE NO 346  PTH AZ -67-007 115-519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.72585 5-6 40.52059 6-7 40.21464 7-8 37.40154 8-9 37.47049 9-10 35.32091 10-11 43.54467 11-12
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.972	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 387.46431 377.56621 364.4278 366.06271 374.974	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -45.5 -36.7 -25.4 -33.2 -46.3	MS AZN 6.1 6.6 4.4 6.5 8.3 9.2 7.2 4.8 4.4	SEC TO 150.  AZSUN -83.5 -62.5 -81.1 -81.0 -82.6 -84.4 -84.1 -83.7 -82.6 -84.1 -83.7 -82.6 -84.1 -83.7 -82.6 -84.1 -83.7 -82.4 -84.1 -83.7 -82.6 -84.1 -83.7 -82.1 -83.0 -82.0	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9 44.4 46.7 49.2 46.7 44.2	170 ALT 346.10416 17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.32550 17.26663 17.23793 16.76927 15.57931 16.40192	B/A 0.891 0.975 0.943 0.906 0.874 0.837 0.875 0.907 0.975 0.974	AS PHOTO  T L 622 -24  AZPHAL -93.6 -90.1 -85.5 -85.1 -90.1 -95.6 -95.1 -94.7 -90.1 -95.5 -82.2 -82.2	ON .927 INCD 67.8 66.6 65.2 66.3 67.9 68.2 66.9 65.4 65.2 64.0 65.0 65.0	R 2081-55 PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 42-2 29-5 42-5 34-6 47-9 29-5 53-3 25-6 53-0 200-6 58-9 6-5 58-9 6-5 58-7 11-7	POD :  V 9 2.429  ALPHA 25.3 17.9 11.6 18.2 24.9 24.6 23.2 16.5 9.9 11.2 11.6 5.0	PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.72585 5-6 40.52059 6-7 40.21464 7-8 37.40154 8-9 37.70049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.972	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 387.46431 377.56621 364.4278 366.06271 374.974	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -45.5 -36.7 -25.4 -33.2 -46.3	MS AZN 6.1 6.6 4.4 6.5 8.3 9.2 7.2 4.8 4.4	SEC TO 150.  AZSUN -83.5 -62.5 -81.1 -81.0 -82.6 -84.4 -84.1 -83.7 -82.6 -84.1 -83.7 -82.6 -84.1 -83.7 -82.6 -84.1 -83.7 -82.4 -84.1 -83.7 -82.6 -84.1 -83.7 -82.1 -83.0 -82.0	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9 44.4 46.7 49.2 46.7 44.2	170  ALT 346-10416  17-94032 17-75192 16-76927 17-24581 17-78331 18-33428 18-96235 18-16663 17-76663 17-24793 16-76927 15-57931 16-40192 16-85056	ATL  LA 68.6 0.899 0.911 0.975 0.943 0.875 0.907 0.875 0.974 0.975 0.975 0.976 0.976	AS PHOTO  T L 622 -24  AZ PHAZ -93.6 -90.1 -85.5 -85.1 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5 -80.8	ON -927 INCD 67-8 66-6 65-2 66-3 67-6 66-7 65-4 65-0 66-2 67-3	170  R 2081-55  PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 53-2 26-5 42-5 34-0 47-9 29-5 53-3 25-5 53-0 20-0 53-2 14-5 58-9 6-5 58-9 6-5 58-7 11-7 48-4 17-8	POD 5  V 2.429  ALPHA 25.3 17.9 11.6 24.9 24.6 23.2 16.5 9.9 11.2 11.6 5.0 11.3	SEQUENCE NO 346  PTH AZ -67-007 115-519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.42274 4-5 37.42144 4-8 37.40134 8-9 37.7049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.24390 13-14
PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.972 12 -9.366 -24.126 13 -9.287 -23.048 14 -9.201 -21.904 15 -9.107 -20.686 16 -9.004 -19.376	RANGE 362.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 387.56621 364.42788 356.06271 367.97427 352.23946 360.51288 373.30693 391.20652	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -33.2 -45.5 -36.7 -25.4 -33.2 -43.5 -65.6 -73.9 -78.0 -80.5	MS AZN 1 6.1 6 4.4 6.0 7 - 5.3 9.2 2 7 - 2.3 4.8 4.4 2 - 2 5.6 6.3	SEC TO 150.  AZSUN -83.5 -82.5 -81.1 -81.0 -82.6 -84.4 -84.1 -83.7 -82.4 -84.1 -80.0 -79.8 -79.6 -79.6 -79.6	TAB NO IMPACT 975  AZA 46.9 44.2 41.8 49.4 41.9 44.4 46.7 49.2 44.3 42.0 39.6 37.2 34.8	170  ALT 346-10410  A- 17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.96235 18.32550 17.76663 17.37692 16.6927 16.6927 16.69506 17.35501 17.95501	ATL  LA  6 -8.4  0.899 0.911 0.975 0.943 0.906 0.874 0.837 0.944 0.975 0.974 0.997 0.967 0.967 0.967	AS PHOTO  T L 622 -24  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.7 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5 -82.2 -81.5 -80.8 -80.0 -78.9	ON .927 INCD 67.8 66.6 65.2 66.3 67.6 65.7 65.4 65.2 64.0 65.0 65.0 65.0 66.2 67.3 68.6 68.6	170  R 2081-55  PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 47-8 20-2 42-5 26-1 42-2 29-5 53-3 25-5 53-7 11-7 48-4 17-8 43-1 24-2 43-0 30-7	POD :  V 9 2.429 6 ALPHA 25.3 17.9 11.6 18.2 24.9 24.6 23.2 16.5 9.9 11.2 11.6 5.0 11.7 24.2	SEQUENCE NO 346  PTH AZ -67-007 115-519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.72585 5-6 40.52099 6-7 40.21464 7-8 37.4021465 8-9 37.70049 9-10 35-32091 10-12 32-37055 12-13 34-24390 13-14 36.52304 14-15 39-33506 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.972 12 -9.366 -24.126 13 -9.287 -23.046 14 -9.201 -21.904 15 -9.107 -20.686 16 -9.004 -19.376 17 -10.050 -19.190	RANGE 382.99288 373.53341 376.06271 364.63331 377.92078 387.60825 402.62836 387.46431 377.56621 364.42788 356.06271 364.3273 373.30693 391.20652 396.55858	AZS/C -35.0 -45.7 -46.3 -54.4 -45.5 -36.7 -25.4 -33.4 -33.6 -73.9 -73.9 -80.5	MS AZ16.64.407.539.2234.842.726.938.30	SEC TO 150.  AZSUN -83.5 -62.5 -62.5 -61.1 -61.0 -82.6 -84.4 -84.1 -83.7 -82.6 -84.1 -80.0 -79.8 -79.8 -79.8 -79.8 -79.8 -79.3 -80.9	TAB NO  IMPACT 975  AZA 46.9 44.2 41.8 39.4 46.7 49.2 46.7 49.2 46.7 49.2 39.6 37.2 34.8	170  ALT 346-10414  17.94032 17.7519 16.76927 17.24581 17.78331 18.33428 18.96235 18.36235 17.76663 17.24793 16.76927 17.25931 16.40192 16.85056 17.35501 17.35501 17.352846	ATL  LA  6 -8.6  8/A  0.899  0.971  0.975  0.943  0.906  0.875  0.974  0.975  0.974  0.975  0.974  0.975  0.974  0.975  0.974  0.975  0.974  0.975  0.974  0.975	AS PHOTO  T L 622 -24  AZPHAL -93.6 -90.1 -85.5 -85.1 -95.6 -95.6 -95.6 -95.6 -95.7 -94.7 -90.1 -85.5 -82.8 -82.9 -84.7	ON .927 INCD 67.8 66.6 65.2 66.3 67.9 68.9 65.7 65.4 65.2 64.0 65.2 64.0 65.2	170  R 2081-55  PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 47-8 20-2 42-5 34-6 47-9 29-5 53-3 25-5 53-2 14-5 53-7 11-7 48-4 17-8 28-0 30-7 37-2 32-3 37-2 32-3	POD 5  V 2.429  ALPHA 2.5.3 17.9 11.6 2.12.2 2.4.6 2.3.2 16.5 11.6 5.0 11.3 17.7 24.2 30.6 31.5	SEQUENCE NO 346  PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.42245 5-6 40.52059 6-7 40.21464 7-8 37.40154 8-9 37.47049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.24390 13-14 36.52304 14-15 39.33506 15-16 32.16625 16-17
TRAJECTORY DATA  PHOTO DATA PT LAT LON  1 -10.724 - 20.386 2 -11.380 -21.661 3 -10.246 - 22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.977 12 -9.366 -24.126 13 -9.287 -23.046 14 -9.201 -21.904 15 -9.107 -20.686 16 -9.004 -19.376 17 -10.050 -19.190 18 -11.325 -18.947 19 -12.698 -18.663	RANGE 382.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 367.46431 377.756621 364.4278 356.06271 347.97427 352.23946 367.3693 391.20652 396.55858 407.35994 423.86826	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -75.4 -45.5 -36.5 -36.7 -25.4 -33.2 -46.3 -43.5 -73.9 -78.0 -80.5 -70.6 -60.5 -70.6	MS AZN 6.1 6.6 4.4 6.6 7.5 8.3 7.2 5.3 4.4 2.7 2 5.6 6.9 3 9.0 10.0 1	SEC TO 150.  AZSUN -83.5 -62.5 -81.1 -81.0 -82.6 -84.4 -84.1 -83.7 -82.6 -84.2 -84.3 -80.9 -82.8 -84.8	IMPACT 975 AZA 4649 444.2 41.8 44.4 46.7 44.2 44.3 42.0 37.2 34.8 37.0 39.5 42.0	170  ALT 346.10410  A. 17.94032 17.7512 16.76927 17.24581 17.78331 18.33428 18.96235 18.32550 17.76027 15.57931 16.40192 16.85056 17.35501 17.92846 18.39666	ATL  LA.  B/A 0.899 0.911 0.975 0.904 0.877 0.875 0.904 0.975 0.974 0.975 0.974 0.989 0.967 0.989	AS PHOTO  I L 622 -24  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -90.1 -95.6 -95.1 -94.7 -90.7 -90.7 -90.7 -90.7 -90.7 -90.7 -90.7 -90.7 -90.7 -90.7 -90.7	O NO ON .927 INCD 67.8 66.6 65.2 66.9 65.4 65.2 66.9 65.4 65.6 68.9 68.6	170  R 2081-55  PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 42-5 26-1 42-2 29-5 42-5 34-0 47-9 29-5 53-0 20-0 53-2 14-5 53-7 11-1 48-4 17-8 48-4 17-8 48-1 17-8 48-3 1 24-2 31-2 32-3 31-2 32-3	POD 5  V 2.429  17.9  11.6  18.2  24.9  24.6  23.2  11.5  11.2  11.2  11.3  17.7  24.2  30.6  31.5	SEQUENCE NO 346  PTH AZ  -67-007 115-519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.72585 5-6 40.52099 6-7 40.21464 7-8 37.40154 8-9 37.70049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.24390 13-14 36.52304 14-15 39.33506 15-16 32.16625 16-17 39.33055 17-18
PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.724 - 20.386 2 -11.380 - 21.661 3 -10.246 - 22.972 4 -10.185 - 21.798 5 -10.120 - 20.544 6 -11.352 - 20.359 7 -12.673 - 20.144 8 -12.658 - 21.505 9 -12.648 - 22.770 10 -11.408 - 22.877 11 -10.246 - 22.972 12 -9.366 - 24.126 13 -9.287 - 23.046 14 -9.201 - 21.904 15 -9.107 - 20.686 16 -9.004 - 19.376 17 -10.050 - 19.190 18 -11.325 - 18.947 19 -12.698 - 18.663 20 -14.195 - 18.326	RANGE 382,99288 373,53341 356,06271 364,63331 377,92078 387,66823 402,6283 402,6283 404,42788 356,06271 347,97427 352,23946 360,51288 373,30693 391,20652 396,55858 407,35994 423,86826 447,03991	AZS/C -35.0 -45.7 -66.3 -58.7 -66.4 -45.5 -36.7 -36.7 -36.7 -36.7 -36.5 -65.6 -73.9 -78.0 -60.5 -70.6 -60.5	MS AZN 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 5 3 8 9 2 2 7 2 3 4 8 4 4 7 2 6 6 9 3 9 0 0 111 1 1 1 1 2 1 2	SEC TO _ 150.  AZSUN - 83.5 - 81.1 - 81.0 - 81.0 - 82.6 - 84.4 - 84.1 - 80.1 - 80.0 - 79.8 - 79.6 - 80.9 - 82.8 - 84.8 - 87.1	TAB NO  IMPACT 975  AZA 46-9 44-3 44-3 44-6 39-4 46-7 49-2 46-7 49-2 46-7 49-3 37-2 34-8 37-8 37-9 42-0 39-6 37-9 44-0 39-6 37-9 44-0 44-0	170  ALT 346-10410  A. 17.94032 17.7512 16.76927 17.24581 17.78331 18.33428 18.96235 18.32550 17.3653 17.23793 16.40192 16.85056 17.35501 17.92846 18.39666 18.39666	ATL  LA*  68.6  8/A  0.8919  0.975  0.906  0.874  0.8875  0.907  0.943  0.975  0.9943  0.906  0.874  0.987  0.8875  0.907  0.987  0.987  0.987  0.987  0.987  0.987  0.987  0.987  0.987  0.987  0.987  0.997  0.997  0.997  0.997  0.997  0.997  0.997  0.997  0.997  0.997  0.997  0.997  0.997	AS PHOTO  I L 622 -24  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5 -85.2 -81.5 -84.1 -90.2 -81.5	ON .927 INCD 67.8 66.6 65.2 66.3 67.9 68.2 66.9 65.4 65.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0	170  R 2081-55  PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 42-5 26-1 42-2 29-5 53-3 25-5 53-3 25-5 53-7 11-7 53-1 24-2 33-1 24-2 33-2 37-2 39-1 37-2 39-3	POD 5  V 2.429  ALPHA 25.3  17.3  11.6  18.2  24.9  24.6  23.2  11.2  11.2  11.2  11.3  17.7  24.2  30.6  31.5  31.5	SEQUENCE NO 346  PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.42245 5-6 40.52059 6-7 40.21464 7-8 37.40154 8-9 37.47049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.24390 13-14 36.52304 14-15 39.33506 15-16 32.16625 16-17
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.977 12 -9.366 -24.126 13 -9.287 -23.046 14 -9.201 -21.904 15 -9.107 -20.686 16 -9.004 -19.376 17 -10.050 -19.190 18 -11.325 -18.947 19 -12.698 -18.663 20 -14.195 -18.366	RANGE 382.99288 373.53341 356.06271 364.62331 377.92078 387.60825 402.62836 367.46431 377.756621 364.42788 356.06271 367.97427 352.23946 360.51288 373.30693 391.20652 396.55858 407.35994 423.86826 447.03991	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -45.5 -36.5 -36.6 -73.9 -78.0 -80.5 -70.6 -60.5 -70.6 -60.5 -70.6	MS AZN 1 6 - 6 - 6 - 6 - 6 - 6 - 6 - 7 - 3 2 2 - 7 5 - 3 4 - 8 4 - 7 4 - 2 6 6 - 9 3 10 - 11 12 - 5 3	SEC TO 150.  AZSUN -83.5 -62.5 -81.1 -81.0 -81.0 -82.6 -84.4 -84.1 -80.0 -79.8 -79.3 -80.9 -82.8 -87.1 -80.1	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 46.7 49.2 44.3 37.2 34.8 37.0 39.5 42.0 44.4	170  ALT 346-10414  17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.96255 17.76663 17.23793 16.76927 15.57931 16.40192 16.85056 17.35501 17.92846 18.39286 19.00247 19.69828	LA*  -8.4  8./A  0.991 0.943 0.906 0.874 0.875 0.975 0.974 0.975 0.974 0.975 0.974 0.975 0.974 0.975 0.974 0.975 0.974	AS PHOTO  I L 622 -24  AZPHAL -93.6 -90.1 -85.5 -85.1 -94.7 -90.1 -85.5 -85.6 -95.6 -95.6 -95.6 -95.7 -94.7 -90.1 -85.5 -80.8 -80.0 -78.9 -78.9 -78.9	ON -927 INCD 67.8 66.6 65.2 66.3 67.9 68.2 66.9 65.7 65.4 65.2 64.0 65.2 67.3 68.6 68.9 69.7 70.1	PHAZ EMIS 42.0 27.5 47.6 24.3 53.2 14.5 47.8 20.2 42.5 26.1 47.9 29.5 53.3 25.5 53.2 14.5 53.2 14.5 53.3 25.5 53.7 11.7 48.4 17.8 28.0 30.7 48.1 24.2 38.0 30.7 38.2 32.3 36.9 35.2 37.2 32.3 36.9 35.2 37.2 39.1 38.2 43.7 38.2 43.7	POD 5  ALPHA 25.3  17.9  11.6  18.2  24.6  11.3  17.7  11.3  17.7  24.2  30.6  31.5  31.4  30.0  27.1	SEQUENCE NO 346  PTH AZ  -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.72585 5-6 40.52059 6-7 40.21464 7-8 37.40154 8-9 37.400154 8-9 37.47049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.244390 13-14 36.52304 14-15 39.33506 15-16 39.33506 15-17 39.33515 17-18 42.41257 18-19 46.41375 19-20 46.10143 20-21
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.724 - 20.386 2 -11.380 - 21.661 3 -10.246 - 22.972 4 -10.185 - 21.798 5 -10.120 - 20.544 6 -11.352 - 20.359 7 -12.673 - 20.144 8 -12.658 - 21.505 9 -12.648 - 22.770 10 -11.408 - 22.877 11 -10.246 - 22.877 11 -10.246 - 22.877 12 -9.366 - 24.126 13 -9.287 - 23.046 14 -9.201 - 21.904 15 -9.107 - 20.686 16 -9.004 - 19.376 17 -10.050 - 19.190 18 -11.325 - 18.663 20 -14.195 - 18.326 21 -14.107 - 19.893	RANGE 382.99288 373.53341 375.606271 364.63331 377.92078 387.60825 402.62836 387.46431 377.56621 347.797427 352.23946 360.51288 373.30693 391.20652 407.35994 423.86826 447.03991 423.78901 407.13067	AZS/C -35.0 -45.7 -46.3 -58.7 -65.4 -45.5 -36.7 -25.4 -33.2 -43.5 -65.6 -73.9 -78.0 -80.5 -70.5 -70.5 -70.5 -70.5 -70.5 -70.5 -70.5 -70.5 -70.5 -70.5 -70.5 -70.5 -70.5	AZN 6-16-16-16-16-16-16-16-16-16-16-16-16-16	SEC TO _ 150.  AZSUN _ 83.5 - 82.5 - 81.1 - 81.0 -	TAB NO  IMPACT 975  AZA 46.9 44-3 44-3 44-6 39-4 46-7 49-2 44-7 49-2 44-3 37-2 34-8 37-6 37-6 37-6 42-0 44-4 46-8	170  ALT 346-10410  17.94032 17.7519 16.76927 17.24581 17.78331 18.33428 18.96235 18.36235 17.76663 17.23793 16.76927 15.57931 16.40192 16.85056 17.35501 17.92846 18.39666 19.00247 19.69816 20.50967 19.68828 18.98378	LA**  LA**  B/A 0.8991 0.913 0.906 0.874 0.837 0.875 0.907 0.944 0.997 0.976 0.976 0.977 0.974 0.997 0.977 0.974	AS PHOTO  T L 622 -24  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -94.7 -90.1 -95.5 -82.2 -81.5 -80.8 -80.8 -80.8 -80.8 -80.8 -80.9 -84.7 -90.2 -96.2	ON -927 INCD 67-8 66-6 65-2 66-3 67-6 67-9 68-2 66-9 65-7 68-9 65-7 68-9 69-1 68-6 68-9 69-2 69-1 68-6	170  R 2081-55  PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 53-2 14-5 53-3 25-5 53-3 25-5 53-2 14-5 53-7 11-7 48-4 17-8 31-2 32-3 31-2 32-3 31-2 33-3 31-2 33-3 33-3 33-3 33-3 33-3	POD 5  4 ALPHA 25.3 17.9 111.6 224.9 24.6 23.2 11.6 5.0 111.3 117.7 24.2 30.6 31.5 31.5 31.5 27.1 20.6 14.1	SEQUENCE NO 346  PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.90597 2-3 35.04245 3-4 37.44274 4-5 37.72585 5-6 40.52059 6-7 40.21464 7-8 37.70049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.24390 13-14 36.52304 14-15 39.33506 15-16 39.33506 15-16 39.33506 15-16 39.33506 15-16 39.33506 15-16 39.33506 15-16 39.33506 15-16 39.33506 15-16 42.41257 18-19 46.41375 19-20 46.10143 20-21 42.08488 21-22
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.724 - 20.386 2 -11.380 -21.661 3 -10.246 - 22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 - 22.972 12 -9.366 -24.126 13 -9.287 -23.046 14 -9.201 -21.904 15 -9.107 -20.686 16 -9.004 -19.376 17 -10.050 -19.190 18 -11.325 -18.947 19 -12.698 -18.663 20 -14.195 -18.326 21 -14.107 -19.893 -22 -14.039 -21.324.	RANGE 362.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 360.06271 364.4278 356.06271 367.96431 377.966431 377.966431 377.966431 377.966431 377.3693 391.20652 407.35994 407.35994 423.86826 447.03991 407.13067 396.10743	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -45.5 -36.5 -36.6 -73.9 -78.0 -80.5 -70.6 -60.5 -73.9 -78.0 -78.0 -78.0 -78.0 -78.0	AZN 6.1 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	SEC TO 150.  AZSUN 150.  AZSUN 150.  81.0  -81.0  -81.0  -82.6  -84.4  -81.1  -80.0  -79.8  -79.3  -80.9  -82.8  -87.1  -86.3  -85.7	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9 44.7 49.7 44.2 46.7 44.3 42.0 37.0 37.0 37.0 34.8 42.0 44.4 46.7	170  ALT 346-10410  A. 17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.96235 17.76663 17.37531 16.40192 16.85056 17.35501 17.9294 18.39466 18.39466 19.00247 19.00247 19.09818 20.50967	ATL  LA 68.*  8/A 0 .899 0 .911 0 .975 0 .943 0 .807 0 .877 0 .975 0 .977 0 .975 0 .977 0	AS PHOTO  I L 622 -24  AZPHAL -93.6 -90.1 -85.5 -85.1 -94.7 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5 -82.2 -81.5 -80.8 -80.0 -78.9 -84.1 -90.2 -102.1 -101.0 -100.1	ON .927 INCD 67.8 66.6 65.2 66.3 67.7 67.8 66.6 66.9 66.2 67.7 70.1 68.6 67.7 70.1 68.6 67.2 67.7 70.1 68.6 67.2 67.0 67.2 67.2 68.6 67.2 67.2 67.2 67.2 67.2 67.2 67.2 67	170  R 2081-55  PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 42-5 34-0 42-5 34-0 42-5 33-2 53-2 14-5 53-7 11-7 48-4 17-8 43-1 24-2 37-2 39-1 38-2 43-7 38-2 43-7 38-2 43-7 38-2 43-7 38-3 39-1 48-6 35-2 53-8 39-1	POD :  ALPHA 25.3 17.9 11.6 18.2 24.9 12.6 18.2 11.6 5.0 11.3 17.7 24.2 30.6 31.5 31.4 30.0 27.1 20.6	SEQUENCE NO 346  PTH AZ -67-007 115-519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.42144 4-5 37.40154 8-9 37.40049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.244390 13-14 36.52304 14-15 39.33506 15-16 32.16625 16-17 39.33506 15-16 32.16625 16-17 39.33155 17-18 42.41257 18-19 46.41375 19-20 46.10143 20-21 42.08488 21-22 38.95602 22-23
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.972 12 -9.366 -24.126 13 -9.287 -23.046 14 -9.201 -21.904 15 -9.107 -20.688 16 -9.004 -19.376 16 -9.004 -19.376 17 -10.050 -19.190 18 -11.325 -18.947 19 -12.698 -18.663 20 -14.195 -18.326 21 -14.107 -19.893 -22 -14.039 -21.324 23 -13.986 -22.648 24 -13.944 -23.888	RANGE 362.99288 373.53341 356.06271 364.63331 377.92078 387.60825 402.62836 402.62836 364.42788 336.06271 347.97427 352.23946 300.51288 373.30693 391.20652 396.55858 407.35994 423.86826 447.03991 423.86826 447.03991 407.13067 396.10743 389.95708	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -33.2 -46.3 -43.5 -65.6 -73.9 -78.0 -80.5 -70.6 -00.5 -70.6 -30.3 -30.3 -30.3	AZN 6.16 6.66 4.44 6.7-53 89.2 7-23 5.48 4.2.7 7-5.5 8.0 11.1 12.5 3.6 8.3 3.3 3.3 3.3 3.3 3.3	SEC TO _ 150.  AZSUN _ 83.5 - 82.5 - 81.1 - 81.0 -	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 46.7 49.2 44.3 42.0 39.6 37.2 34.8 37.0 39.5 42.0 44.4 46.8	170  ALT 346-10414  17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.96235 18.96235 17.76663 17.24793 16.76927 17.2946 18.39666 19.00247 19.68828 18.39686 19.00247 19.68828 18.3988828 18.3988888888888888888888888888888888888	B/A 0.899 0.911 0.975 0.943 0.907 0.875 0.975 0.975 0.975 0.975 0.975 0.975 0.977 0.931 0.889 0.805 0.	AS PHOTO  T L 622 -24  AZPHAL -93.6 -90.1 -85.5 -85.1 -94.7 -95.6 -95.1 -94.7 -95.6 -82.2 -81.5 -80.8 -80.8 -80.8 -80.9 -78.9 -102.1 -90.2 -96.2 -102.1 -90.3 -99.3	ON .927 INCD 67.8 66.6 65.2 66.9 65.2 66.9 65.4 65.0 65.0 68.9 69.2 66.9 68.9 69.2 66.0 66.0 66.0 66.0 66.0 66.0 66.0 66	R 2081-55 PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 47-8 20-2 42-5 26-1 42-2 29-5 42-5 34-0 47-9 29-5 53-3 25-5 53-7 11-7 48-4 17-8 38-0 30-7 48-6 37-2 38-9 35-2 33-9 3	POD 5  4 ALPHA 5 25.3 17.9 118.6 18.2 24.9 24.6 123.2 11.6 5.0 11.2 30.6 31.5 31.4 30.0 27.1 20.6	SEQUENCE NO 346  PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.42245 5-6 40.52059 6-7 40.21464 7-8 37.40154 8-9 37.70049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.24390 13-14 36.52304 14-15 39.33506 15-16 32.16625 16-17 39.30155 17-18 42.41257 18-19 46.41375 19-20 46.10143 20-21 42.08488 21-22 38.95602 22-23 36.46722 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.877 10 -11.408 -22.877 11 -10.246 -22.972 12 -9.366 -24.126 13 -9.287 -23.046 14 -9.201 -21.904 15 -9.107 -20.686 16 -9.004 -19.376 17 -10.050 -19.190 18 -11.325 -18.947 19 -12.698 -18.663 20 -14.195 -18.663 20 -14.195 -18.326 21 -14.107 -19.893 22 -14.039 -21.324 23 -13.986 -22.648 24 -13.944 -23.888 25 -12.645 -23.959	RANGE 382.99288 373.53341 376.0271 364.63331 377.92078 387.60825 402.62836 387.46431 377.56621 364.4278 356.06271 347.97427 34	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -55.4 -45.5 -36.7 -65.4 -33.2 -46.3 -73.9 -73.9 -70.6 -60.5 -70.6	AZN 6.16.6.6 4.4 4.4 6.17.5 8.3 3.4 4.8 4.4 2.7 4.2 2.7 10.0 11.2.5 10.0 5.8 8.0 3.3 3.1 3.6 3.3 3.1	SEC TO _ 150.  AZSUN _ 83.5 - 81.1 - 81.0 - 81.0 - 81.0 - 81.1 - 83.7 - 81.1 - 80.0 - 79.8 - 79.5 - 84.7 - 85.2 - 84.7 - 85.2 - 84.7 - 83.2 - 79.8 - 84.8 - 82.2 - 84.7 - 83.2 - 79.8 - 84.8 - 83.2 - 79.8 - 84.8 - 83.2 - 79.8 - 84.8 - 83.2 - 79.8 - 84.8 - 83.2 - 79.8 - 84.8 - 83.2 - 79.8 - 84.7 - 83.2 - 79.8 -	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 46.7 49.2 44.3 37.2 34.8 37.0 39.6 37.2 34.8 42.0 39.6 44.4 46.8 49.1	170  ALT 346-10414  17.94032 17.75192 16.76927 17.24581 17.78331 18.33428 18.39520 17.76663 17.23793 16.76927 17.29846 18.39566 17.39501 17.92846 19.00247 19.69818 19.69818 19.69818 19.69818 19.69818 11.37000	ATLL LA* 8 / A 8 / A 8 / A 0 .915 0 .943 0 .906 0 .912 0 .975 0 .975 0 .907	AS PHOTO  T L 622 -24  AZPHAL -93.6 -90.1 -85.5 -85.1 -95.6 -95.6 -95.6 -95.6 -95.7 -94.7 -90.1 -85.5 -80.8 -80.8 -80.9 -78.9 -102.1 -101.0 -99.3 -98.6 -94.1	O NO ON .927 INCD 65.8 66.6 65.2 66.9 65.7 68.2 66.9 65.7 66.2 65.0 66.2 65.7 66.2 65.7 66.6 66.2 66.7 66.6 66.2 66.6 66.2 66.7 66.6 66.2 66.6 66.6	700 R 2081-55 PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 53-2 14-5 53-3 25-5 53-2 14-5 53-3 25-5 53-2 14-5 53-7 11-7 48-4 17-8 38-0 30-7 38-2 34-9 38-2 33-7 38-2 33-1 38-2 33-1 38-2 33-1 38-2 33-1 38-2 33-1 38-2 33-1 38-2 33-1	POD 5  4 29 2.429  59 2.429  11.6  18.2  24.6  23.2  11.6  11.2  30.6  31.7  24.2  30.6  31.4  30.0  27.1  20.6  17.7	SEQUENCE NO 346  PTH AZ -67.007 115.519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.42245 5-6 40.52059 6-7 40.21464 7-8 37.40154 8-9 37.70049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.24390 13-14 36.52304 14-15 39.33506 15-16 32.16625 16-17 39.30155 17-18 42.41257 18-19 46.41375 19-20 46.10143 20-21 42.08488 21-22 38.95602 22-23 36.46722 23-24 39.39582 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.724 -20.386 2 -11.380 -21.661 3 -10.246 -22.972 4 -10.185 -21.798 5 -10.120 -20.544 6 -11.352 -20.359 7 -12.673 -20.144 8 -12.658 -21.505 9 -12.648 -22.770 10 -11.408 -22.877 11 -10.246 -22.972 12 -9.366 -24.126 13 -9.287 -23.046 14 -9.201 -21.904 15 -9.107 -20.688 16 -9.004 -19.376 16 -9.004 -19.376 17 -10.050 -19.190 18 -11.325 -18.947 19 -12.698 -18.663 20 -14.195 -18.326 21 -14.107 -19.893 -22 -14.039 -21.324 23 -13.986 -22.648 24 -13.944 -23.888	RANGE 362.99288 373.53341 356.06271 364.63331 377.92078 387.60823 402.6283 402.6283 402.6283 404.42788 356.06271 364.42788 373.30693 391.20652 396.55858 407.35994 423.86826 447.03991 423.78901 407.13067 396.10743 389.95708 379.69043 351.65984	AZS/C -35.0 -45.7 -46.3 -58.7 -66.0 -54.4 -43.2 -43.5 -65.6 -73.9 -78.0 -80.5 -70.6 -60.5 -70.6 -60.5 -70.6 -10.3 -70.6 -10.3	AZN 16.16.6.6.4.4.4.4.2.7.5.3.4.8.4.2.7.2.5.6.6.9.3.3.3.3.3.1.9.2.3.3.6.3.3.3.1.9.2.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.1.9.3.3.6.3.3.3.3.1.9.3.3.3.3.1.9.3.3.3.3.1.9.3.3.3.3	SEC TO 150.  AZSUN 150.  AZSUN 150.  81.0  -81.0  -81.0  -82.6  -84.1  -83.7  -81.1  -80.0  -79.8  -79.6  -79.6  -84.8  -85.7  -85.7  -85.7  -86.1  -86.1  -86.1	TAB NO  IMPACT 975  AZA 46.9 44.3 44.2 41.8 39.4 41.9 46.7 44.3 42.0 37.2 34.8 37.0 37.0 39.6 37.0 39.6 49.1 46.8 49.1	170  ALT 346-10410  A- 17.94032 17.75126 16.76927 17.24581 17.78331 18.33428 18.96235 17.23793 16.76927 17.26627 17.96926 17.35501 17.79266 18.39666 17.35501 17.92846 18.39600 17.82864 17.2770 19.68828 18.38378 18.37000 17.82864	ATLL LA* 5 -8.1 8 -0.99 0.911 0.995 0.913 0.905 0.975 0.907 0.907 0.907 0.907 0.907 0.907 0.907 0.907 0.907 0.907 0.907 0.907 0.907	AS PHOTO  I L 622 -24  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -90.1 -95.6 -95.1 -94.7 -90.7	ONO ON .927 INCO 65.2 66.3 67.6 65.2 66.9 65.7 65.4 66.9 65.7 65.4 66.9 66.9 68.0 68.0 69.2 69.7 7 68.6 69.2 69.7 64.6 64.6 64.6 64.6 64.6 64.6 64.6 64	170  R 2081-55  PHAZ EMIS 42-0 27-5 47-6 24-3 53-2 14-5 42-5 26-1 42-2 29-5 53-3 25-5 53-7 11-7 48-4 17-8 43-1 24-2 36-9 35-2 36-9 35-2 37-2 39-1 38-2 43-7 37-2 32-3 36-9 35-2 59-0 30-3 59-0 30-3 58-5 58-7 59-0 30-3 59-0 30-3	POD :  ALPHA 25.3 17.9 11.6 18.2 24.9 16.5 16.5 11.2 11.3 17.7 24.2 30.6 31.5 31.4 30.0 27.1 20.6 31.5 4.7 7 1.4 3.5 4.7	SEQUENCE NO 346  PTH AZ -67-007 115-519  SCALE PT-PT 0. 0-1 42.80290 1-2 51.96597 2-3 35.04245 3-4 37.44274 4-5 37.42269 6-7 40.52059 6-7 40.21464 7-8 37.40134 8-9 37.47049 9-10 35.32091 10-11 43.54467 11-12 32.37055 12-13 34.244390 13-14 36.52304 14-15 39.33555 17-18 34.244390 13-14 36.52304 14-15 39.33555 17-18 42.41257 18-19 46.41375 19-20 46.10143 20-21 42.08488 11-22 38.95602 22-23 36.46722 23-24 39.39560 24-25 36.62935 25-26

					RA-VII	CAMERA	FA							86
JULY 31,196	4 13 HR	23 MIN 22	SEC 944	MS	•	TAB NO	171	ATLA	AS PHOTO	NO	171	POD S	EQUENCE NO	348
TRAJECTORY					SEC TO 145.		ALT 334.64804	LAT		DN . 805	R 2070.1	v 03 2.434	PTH -66.925 11	AZ 5.498
PHOTO DATA														PT-PT
PT LAT	LON	RANGE	AZS/C		AZSUN	AZA	A.	B/A	ZAHAZ	INCD	PHAZ EMI	SALPHA	SCALE 0.	0- 1
1 -10.719			-35.1 -45.8	6.1 6.6	-83.5 -82.5	46.8	17.35599 17.17461	0.899	-93.0	61.0	47.6 24.	3 17 0	41.17329	
2 -11.359 3 -10.262	-21-019		-46.5	4.5	-81.1		16.22176		-85.5	65.3	53.2 15.	0 11.7	50.28827	2- 3
4 -10.203	-21.752		~58.7	6.0	-81.0		16.68466	0.943	-85.1		47.8 20.		33.91020	3- 4
5 -10.140	-20.538		-65.9	7.5	-81.0		17.20554		-84.7	67.6	42.5 26.	1 24.9	36.23186	4- 5
6 -11.332	-20.359	375.02021		8.3		41.9	17.73886		-90.1	67.9	42.2 29.	5 24.7	36.50145	5- 6
7 -12.610	-20.152	389.52301	-45.5	9.2		44.3	18.34513		-95.6	68.2	42.5 33.	9 23.2	39.19237	6- 7 7- 6
8 -12.595		374-84012	-36.8	7.2			17.72841	0.875	-95.1	66.9	47.9 29. 53.2 25.	4 16.5	36.19185	
9 -12.586		365.22368	-25.4	5.3		48.9 46.5	17.18581	0.908	-94.7	45.5	53.0 20.	1 11.3	36.46189	
10 -11.387 11 -10.262	-22.796	352.53527 344.43746	-46.5	4.8		44.1	16.22176	0.475	-85.5	65.3	53.2 15.	0 11.7	34.16921	10-11
12 -9.412	-24.005		-43.8	2.8			15.07095						42.13261	11-12
13 -9.334	-22.960	340.71717		4.2			15.86535	0.999	-81.5	65.1	53.7 11.	8 11.4	31.31644	
14 -9.251	-21.855	348.75925		5.6		39.6	16.30112	0.967	-80.8	66.2	48.4 17.	9 17.8	33.13497	13-14
	-20.677	361.15442		7.0			16.78995	0.930	-80.0	67.4	43.1 24	2 24.2	35.33945	
	-19.408		-80.4	8.3			17.34425	0.889	-78.9	68.6	38.0 30.	6 30.6	38.04934 31.12328	
	-19.229	383.66324	-70.5	9.0			17.79842	0.865	-84.L	68.9	31.2 32.	2 31.4	38.02342	
18 -11.306		394-11306	-60.5 -52.2				19.05572	0.832	-96.2	69.6	37.2 39.	0 29.9	41.01550	
19 -12.634 20 -14.080	-18.720	410.04329	-45.4	12.4			19.83607	0.750	-102-1	70.1	38.2 43	6 27.0	44.84537	19-20
21 -13.996	-19-910	409.91685		10.2			19.04376	0.795	-101.0	68.6	43.3 39	.0 20.6	44.56576	20-21
22 -13.930	-21.293			8.0	-85.8	49.0	18.36214	0.833	-100.1	67.3	48.6 35	.1 14.2	40.70837	21-22
23 -13.878	-22.574	383.10042		5.8	-85.3		17.76670				53.8 32		37.68949	22-23
24 -13.837	-23.773	377.08749	-9.4		-84.8		17.24015				59.0 30		35.27772	
?5 -12.582		360.03244			-83.5		16.70317			64.6	58.5 23 58.4 17	.7 3.6 .4 4.8	38.07383 35.41970	
26 -11.414		347.89172		3.1			16.22926				58.5 11		33.26119	
27 -10.318 28 -9.412	-23.960	340.12047		2.9	-80.1		15.07095				58.9 6		27.47912	
28 -9.412	-24.005	330.33020	-43.0	2.0	00.1	7702	17.01073	0.717		• •• •	,	-		
						TAB NO	172	ATL	AS PHOTO	0 NO	172	POD	SEQUENCE N	0 350
JULY 31,19	64 13 HR	23 MIN 28	SEC 64	MS										
										ON	R	v	PTH	AZ
TRAJECTOR	Y DATA					IMPACT	ALT 323.1731	LA					-66.842 1	
PHOTO DAT					140	. 130	323.1731	J -0.			20000			
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A=	B/A	AZPHAZ	INCD	PHAZ EM	IS ALPHA	SCALE	PT-PT
		357.70761		6.2		46.6	16.77013			67.8	42.1 27	.8 25.1	0.	0- 1
2 -11.338	-21.578	349.20524	~45.9	6.6		44.1	16.59574					.4 18.0	39.55591	
3 -10.278		332.78418	-46.6	4.5		44.0	15.67294				53.2 15		48.60519 32.77440	
4 -10.221			-58.7	6.0	-81.0		16.12202					.3 18.3 .1 24.9	35.01714	
5 -10.160		353.33100	-65.9		-80.9 -82.6		17.14176			67.9	42.2 29	.5 24.7	35.27361	
6 -11.312	-20.359	362.39659 376.38237	-54.5 -45.6	9.1	-64.5	44.2	17.72625			68.2	42.5 33	.9 23.2	37.86108	6- 7
R =12.532	-21-431	362.18308	-37.0	7.2		46.4	17.12977			67.0	47.9 29	.4 16.6	37.60097	7- 8
9 -12.523		352.85211	-25.8	5.3	-83.8	48.7	16.60364	0.908	-94.7		53.2 25		34.97838	
10 -11.365	-22.715		-33.6	4.9		46.3	16.11149				53.0 20		35.22064	
11 -10.278	-22.804	332.78418	-46.6	4.5		44.0	15.67294				53.2 15		33.01473 40.71660	
	-23.884		-44.2	2.8		44.1	14.56143				58.9 6	.8 5.3 .9 11.5	30.25969	
	-22.874	329.16871	-65.4	4.2 5.6		41.9	15.32756					.0 17.8	32.02274	
14 -9.301 15 -9.213	-21.806 -20.667	336.97606 348.96986	-73.6 -77.8	7.0			16.22340					.2 24.2		
	-19.442	365.68213	-80.3		-79.2		16.75854				38.0 30	.6 30.6	36.76049	15-16
	-19.268	370.73245	-70.5	9.0	-80.8	37.2	17.19854	0.865	-84.1	68.8	37.2 32	.2 31.5	30.07721	
18 -11.287	-19.041	380.82957	-60.5	10.0	-82.8	39.6	17.76495				36.8 35			
19 -12.569	-18.777	396.18265	-52.2	11.0	-84.8		18.41162				37.2 39			
20 -13.965	-18.466	417.64471		12.3		44.3	19-16105				38.2 43 43.3 38			
21 -13.885	-19.927	396.01253		10.2		46.5	18.39775	0.196	-101.0	67.7	, 43.5 36 L 48.6 36	0 14.2		21-22
22 -13.821 23 -13.771	-21.263	370 06647	-20.0	5.8	-85.3		17.16215	0.867	-99.1	66-1	53.8 32	.0 7.9		
25 -13.771	~22.500	344 10417	-20.6		-84.9		16.65068						34.0852	

RA-VII CAMEDA EA

67 TAB NO 173 ATLAS PHOTO NO 173 POD SEQUENCE NO 352 JULY 31,1964 13 HR 23 MIN 33 SEC 184 MS SEC TO IMPACT ALT LAT LON 135.616 311.68002 -8.798 -24.555 TRAJECTURY DATA R V PTH AZ 2047.135 2.445 -66.758 115.457 PHOTO DATA PHOTO DATA
PT LAT LON RANGE AZS/C
1 -10.708 -20.421 345.03008 -35.4
2 -11.317 -21.536 336.98808 -46.0
3 -10.294 -22.721 321.10097 -46.8
4 -10.239 -21.661 328.94391 -58.7
5 -10.180 -20.528 340.98187 -65.8
6 -11.291 -20.361 349.73298 -54.5
7 -12.483 -20.168 363.20040 -45.7
8 -12.460 -22.537 340.44696 -26.1
10 -11.342 -22.537 340.44696 -26.1
10 -11.342 -22.537 340.44696 -26.1
11 -10.294 -22.721 321.10097 -46.8
12 -9.501 -23.763 313.59317 -44.6
13 -9.429 -22.718 317.59306 -65.3
14 -9.550 -21.758 325.16192 -73.5
15 -9.266 -20.658 336.75146 -77.6
15 -9.172 -19.476 352.86779 -80.1
17 -10.116 -19.308 357.76261 -70.4
18 -11.267 -19.088 367.50418 -60.5
19 -12.504 -18.853 367.50418 -60.5
19 -12.504 -18.853 382.2719 -52.2
20 -13.850 -18.537 402.88106 -45.5
21 13.773 -19.945 382.06781 -38.9
22 -13.712 -21.233 367.0427 -30.8 SCALE PT-PT SCALE 0.
37.95251
46.91572
31.63474
33.79818
34.04137
36.52587
36.28750 36.28750 33.76050 33.97622 31.85669 39.29618 29.20016 30.90701 2.8 4.2 5.6 7.0 8.4 9.0 9.9 32.96131 35.46749 14-15 15-16 16-17 17-18 18-19 19-20 29.02764 29.02764 35.45555 38.21191 41.70618 41.48750 37.94409 35.14503 11.0 12.3 10.1 8.0 5.8 3.7 3.4 3.2 3.0 20 382.06781 367.04227 356.99988 351.27751 335.49101 324.21768 316.96907 -19.945 -21.233 -22.426 -23.543 -23.609 -23.668 -23.721 -13-712 -13.712 -13.663 -13.624 -12.456 -11.368 -10.346 35.14503 22-23 32.88929 23-24 35.42688 24-25 32.99337 25-26 30.99885 26-27 25.61190 27-28 28 -9.501 -23.763 313.59317 -44.6 TAB NO 174 ATLAS PHOTO NO 174 POD SEQUENCE NO 354 JULY 31,1964 13 HR 23 MIN 38 SEC 304 MS PHOTO DATA
PT LAT LON RANGE 2-11.295 -21.496 324.73716 -46.9

1 -10.703 -20.432 332.32876 -35.6

2 -11.295 -21.496 324.73716 -46.9

5.-10.256 -21.616 316.98196 -58.7

5 -10.199 -20.524 328.59772 -65.8

6 -11.270 -20.363 337.03291 -54.5

7 -12.418 -20.178 349.98216 -45.7

9 -12.496 -21.360 336.79916 -37.2

9 -12.396 -22.459 328.01193 -26.3

10.-11.319 -22.553 316.457515 -34.0

11 -10.309 -22.637 309.38904 -46.9

12 -9.546 -23.643 302.08766 -45.0

13 -9.476 -22.703 305.99063 -65.2

14 -9.400 -21.709 313.31757 -73.

15 -9.318 -20.650 324.50031 -77.5

16 -9.228 19.510 340.01955 -80.0

17 -10.138 -19.348 344.75652 -70.3

18 -11.247 -19.137 354.14127 -60.5

19 -12.438 -18.893 368.3909 -52.3

20 -13.734 -18.608 388.10534 -45.9

21 -13.601 -21.204 353.61295 -30.9

22 -13.601 -21.204 353.61295 -30.9 TRAJECTORY DATA SEC TO IMPACT ALT LAT LON R V

300\_16817 -8.858 -24.428 2035.623 2.451

A\* 8/A AZPHAZ INCO PHAZ EMIS ALPHA
15.59333 0.899 -93.6 67.7 42.2 27.7 25.0
15.43291 0.1911 -90.1 66.8 47.6 24.4 18.1
14.57111 0.974 -85.5 65.5 53.2 15.2 12.0
14.99200 0.942 -85.1 66.5 47.8 20.4 18.4
15.46228 0.906 -84.6 67.6 42.5 26.1 24.9
15.94204 0.874 -90.1 67.9 42.2 29.5 24.7
16.48290 0.839 -95.6 68.2 42.5 33.8 23.2
15.92728 0.875 -95.1 67.0 47.9 29.4 16.7
15.43473 0.908 -94.7 65.9 53.2 25.9 10.3
14.97918 0.941 -90.1 65.7 53.0 20.2 11.6
14.57111 0.974 -85.5 65.5 53.2 15.2 12.0
13.53864 0.975 -82.1 64.5 58.9 7.0 5.5
14.24822 0.998 -81.5 65.4 53.7 12.1 11.7
14.66438 0.966 -80.8 66.4 48.4 18.1 17.9
15.08567 0.930 -79.9 67.4 43.1 24.3 24.3
15.59233 0.890 -78.9 68.5 38.0 30.6 30.5
15.99348 0.866 -84.1 68.7 37.2 32.2 31.4
16.52006 0.834 -90.1 69.1 36.8 53.8 30.6 30.5
15.99348 0.866 -84.1 68.7 37.2 32.2 31.4
16.55006 0.834 -90.1 69.1 36.8 35.0 31.2
17.11773 0.797 -96.2 69.4 37.2 38.8 29.7
17.80580 0.755 -102.1 68.5 38.0 30.6 30.5
15.98476 0.868 -99.3 66.5 38.0 30.6 30.5
15.98476 0.868 -99.1 69.1 36.8 35.0 31.2
17.11773 0.797 -96.2 69.4 37.2 38.8 29.7
17.80580 0.755 -102.1 66.8 54.3 38.3 30.7 20.6
16.48807.0.838 -99.3 66.5 53.8 31.9 8.1
15.46825 0.897 -98.6 65.1 59.0 30.0 2.0
14.57089 0.971 -90.1 64.8 58.4 17.4 5.2
14.16270 0.998 -85.8 64.6 58.5 11.5 5.7 300-16817 -8-858 -24-428 2035-623 2-451 -66-673 115-435 130,496

AZN AZSUN AZA
6.2 - 63.7 46.3
6.6 - 62.6 43.9
4.5 - 81.1 43.8
6.1 - 81.0 . 41.6.
7.6 - 80.9 39.5
8.3 - 82.7 41.8
9.1 - 84.5 44.0
7.2 - 84.2 46.1
5.3 - 83.9 48.2
4.9 - 82.5 . 46.0
4.5 - 81.1 43.8
2.8 - 80.1 43.9
4.7 - 79.7 39.7
7.0 - 79.5 37.6
8.4 - 79.2 35.5
9.1 - 80.8 37.4
9.9 - 82.7 39.7
10.9 - 84.8 41.9
12.2 - 87.0 44.1
10.0 - 86.4 46.2
1.9 - 85.5 50.4
3.7 - 85.1 52.6
3.7 - 85.1 52.6
3.4 - 83.7 50.4
3.7 - 85.1 52.6
3.4 - 83.7 50.4
3.2 - 82.4 48.1
3.0 - 81.2 44.4
2.8 - 80.1 43.9 130.496 SCALE PT-PT 30.45160 1-2 45.22067 2-3 30.49143 3-4 32.57530 4-5 32.80569 5-6 35.18736 6-7 34.97005 32.53875 32.53875 8- 9
32.72904 9-10
30.69576 10-11
37.87167 11-12
28.13792 12-13
29.78792 13-14
31.76667 14-15
34.17232 15-16
27.97507 16-17 27.97507 16-17 34.16567 17-18 36.80527 18-19 40.13515 19-20 39.94481 20-21 36.55623 21-22 33.86695 22-23 31.69024 23-24 34.10171 24-25 -60.5 -52.3 -45.5 -39.0 -30.9 -21.3 -10.2 -12.8 +17.3 -26.2 10.9 388.10534 368.08985 353.61295 343.90546 338.33624 323.18116 312.34165 -19.963 -21.204 -22.353 -23.428 -23.492 -23.549 -23.601 -13.601 23 -13.554 24 -13.516 25 -12.392 26 -11.344 27 -10.359

305.35640

302-08766

-23-643

			RA-VII CAMERA	l FA			88
JULY 31,1964 13 HF	22 MIM CC	EC 424 MS	TAB NO	175	ATLAS PHOTO NO	175 POD	SEQUENCE NO 356
JULY 31,1904 15 H	23 MIN 43 3	EC 424 M3					
THAJECTORY DATA			SEC TO IMPACT 125.376	ALT 288.63753	LAT LON -8.918 -24.299	R V 2024-093 2-45	PTH AZ 5 -66.588 115.414
PHOTO DATA PT LAT LON	RANGE	AZS/C AZN	AZSUN AZA	A+	B/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
1 -10.698 -20.442	319.60369	-35.8 6.2	-83.7 46.1	15.00261	0.899 -93.6 67.7	42.2 27.6 25.0	0. 0-1
2 -11.272 -21.455	312.45298	-46.2 6.6		14.84911	0.911 -90.1 66.8	47.6 24.4 18.1	34.78285 1- 2 43.52009 2- 3
3 -10.324 -22.554		-47.1 4.6 -58.7 6.1	-81.1 43.7 -81.0 41.6	14.01817 14.42471	0.973 -85.5 65.6 0.942 -85.1 66.6	53.2 15.3 12.0 47.8 20.4 18.5	
4 -10.273 -21.571 5 -10.218 -20.521		-65.7 7.6	-80.9 39.6	14.87789	0.906 -84.6 67.6	42.4 26.1 24.9	31.34859 4- 5
6 -11.249 -20.365	324.29700	-54.6 8.3		15.33962	0.875 -90.1 67.9	42.2 29.5 24.7	
7 -12.353 -20.187		-45.8 9.0		15.85870		42.5 33.8 23.2	
8 -12.340 -21.324 9 -12.332 -22.363		-37.4 7.2 -26.5 5.3		15.32369		3 47.9 29.4 10.8 3 53.2 25.9 10.4	
9 -12.332 -22.363 10 -11.296 -22.473		-34.3 4.9		14.41092	0.943 -90.1 65.6	53.0 20.2 11.6	31.47930 9-10
11 -10.324 -22.554	297.64858	-47.1 4.6	-81.1 43.7	14.01817		5 53.2 15.3 12.0	
12 -9.590 -23.522		-45.3 2.9		13.02542	0.975 -82.1 64.6	5 58.9 7.1 5.6 5 53.7 12.2 11.8	
13 -9.522 -22.618		-65.2 4.3 -73.2 5.7		13.70668	0.997 -81.5 65.5 0.965 -80.8 66.4	48.4 18.1 18.0	
14 -9.450 -21.661 15 -9.371 -20.642		-77.4 7.1		14.51454	0.930 -79.9 67.4	43.1 24.3 24.3	30.56849 14-15
16 -9.284 -19.545		-79.9 8.4	-79.1 35.6	14.99192	0.890 -78.9 68.5	5 38.0 30.5 30.5	32.87343 15-16
17 -10.159 -19.389		-70.3 9.1		15.38846	0.866 -84.1 68.7	7 37.2 32.1 31.4 3 36.8 35.0 31.2	
18 -11.226 -19.186 19 -12.372 -18.952		-60.5 9.9 -52.3 10.9		15.89503		3 37.2 38.7 29.7	
19 -12.372 -18.952 20 -13.617 -18.680		-45.6 12.1			0.756 -102.1 69.	7 38.2 43.1 26.8	38.56419 19-20
21 -13.547 -19.982	354.08014	-39.1 10.0	-86.5 46.0			5 43.3 38.7 20.6	
22 -13.490 -21.175		-31.1 7.9				3 48.6 34.8  14.4 2 53.8 31.8   8.2	
23 -13.445 -22.280 24 -13.408 -23.314		-21.5 5.8 -10.4 3.7	-85.5 50.1 -85.2 52.2	15.34019 14.87553		2 59.0 29.9 2.1	
24 -13.408 -23.314 25 -12.327 -23.376		-13.1 3.4		14.42121		0 58.5 23.6 4.1	32.77566 24-25
26 -11.320 -23.431		-17.7 3.2	-82.5 47.9	14.01571			
27 -10.373 -23.482		-26.7 3.0		13.62647		7 58.5 11.5   5.8 6 58.9   7.1     5.6	
28 -9.590 -23.522	290.55948	-45.3 2.9	-80.1 43.8	13.02542	0.975 -02.1 04.0	0 30.9 1.1 3.0	23113011 11 10
			TAB NO	176	ATLAS PHOTO NO	176 POD	SEQUENCE NO 358
JULY 31,1964 13 H	R 23 MIN 48 S	SEC 543 MS					PTH AZ
TRAJECTURY DATA			SEC TO IMPACT 120.256	ALT 277.0861	LAT LON 0 -8.979 -24.169	R V 2012.543 2.46	PTH AZ 2 -66.501 115.392
PHOTO DATA	RANGE	AZS/C AZN	AZSUN AZA	A+	B/A A7DHA7 INC	D PHAZ EMIS ALPHA	SCALE PT-PT
PT LAT LON 1 -10.693 -20.453		-35.9 6.2		14.41031	0.899 -93.6 67.	7 42.3 27.5 24.9	0. 0-1
2 -11.250 -21.415		-46.3 6.6	-82.6 43.7	14.26365		8 47.6 24.4 18.2	
3 -10.340 -22.471	285.87834	-47.2 4.6		13.46384		7 53.2 15.4 12.1 6 47.8 20.5 18.5	
4 -10.290 -21.527 5 -10.237 -20.518	292.95923 303.72139	-58.7 6.1 -65.7 7.6		13.85579		6 42.4 26.2 24.9	
5 -10.237 -20.518 6 -11.228 -20.368	311.52183	-54.6 B.3		14.73535		9 42.2 29.5 24.1	30.32312 5- 6
7 -12.288 -20.198	323.43729	-45.9 9.0	-84.5 43.8	15.23273	U.839 -95.6 68.	1 42.5 33.7 23.2	
8 -12.275 -21.290		-37.5 7.2		14.71850		1 47.9 29.3 16.6 1 53.2 25.8 10.5	
9 -12.267 -22.306		-26.7 5.3 -34.5 4.9		14.26032 13.84124		9 53.0 20.2 11.1	
10 -11.273 -22.393 11 -10.340 -22.471				13.46384	0.973 -85.5 65.	7 53.2 15.4 12.1	28.36515 10-11
12 -9.635 -23.402	279.00796	-45.6 2.9	-80.1 43.7	12.51092	0.975 -82.1 64.	7 58.9 7.2 5.4	
13 -9.569 -22.533				13.16381		6 53.7 12.3 11.0 5 48.4 18.2 18.0	
14 -9.499 -21.614 15 -9.423 -20.634				13.53268		4 43.1 24.3 24.	
15 -9.423 -20.634 16 -9.340 -19.581	314.21556	-79.8 8.4		14.39967		5 38.0 30.5 30.5	5 31.57007 15-16
17 -10.181 -19.431	318.63111	-70.2 9.1	-80.7 37.6	14.78150	0.866 -84.1 68.	7 37.2 32.1 31.	
18 -11.205 -19.236	327.29999	-60.5 9.9		15.26803		0 36.8 34.9 31.	
19 -12.306 -19.012 20 -13.501 -18.752		-52.3 10.9 -45.6 12.0		15.81697		3 37.2 38.6 29.6 7 38.2 43.0 26.	
21 -13.434 -20.002		-39.2 9.9			0.800 -101.0 68.	4 43.3 38.6 20.	6 36.85320 20-21
22 -13.380 -21.146	326.66388	-31.2 7.9	-86.0 47.9	15.23139	0.837 -100.0 67.	3 48-6 34-7 14-	
23 -13.335 -22.208		-21.7 5.8		14.73047	0.870 -99.3 66.	3 53.8 31.7 8. 3 59.0 29.8 2.	
24 -13.299 -23.200 25 -12.263 -23.260		-10.7 3.7 -13.4 3.5		14.28196		2 58.5 23.6	
26 -12.263 -23.260		-13.4 3.1 -18.1 3.2		13.45941	0.971 -90.1 65.	0 58.4 17.5 5-	5 29.33816 25-26
27 -10.386 -23.362	282.05841	-27.1 3.0	-81.2 44.1	13.08891	0.999 -85.8 64.	8 58.5 11.6 5.	
28 -9.635 -23.402		-45.6 2.9	-80.1 43.7	12.51092	0.975 -82.1 64.	7 58.9 7.2 5.	B 22.79533 21-28

					~~	1 CAMERI	· FA								89
JULY 31,1	.964 13 HI	R 23 MIN 53	SEC 663	3 MS		TAB NO	177	ATL	AS PHOT	O NO	177		POD	SEQUENCE N	10 360
TRAJECTO	IRY DATA					IMPACT	ALT 265.5196	, LA		LON		R	٧	PTH	AZ
PHOTO DA					•••	• • • • •	203.3190	1 -9.	041 -2	4.031	20	00.97	2.466	-66.414	15,369
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A	AZPHAZ	TMCD	PHA7	FMIS	AI DI A	SCALE	PT-PT
1 -10.688	-20.463	294.08172	-36.1	6.2			13.81644	0.899	-93.6	67.7	42.3	27.5	24.9	0.	0- 1
2 -11.228	-21.376	287.78036		6.6		43.6	13.67657	0.910	-90.1	66.9	47.6	24.5	18.2	31.68464	1-2
3 -10.355			-47.3	4.6			12.90812			65.8	53.2	15.4	12.2	40.10172	2-3
5 -10.256	-20.515	280.89760		6.1			13.28531				47.8	20.5	18.5	27.03874	
6 -11.206		291.22832 298.70998	-54.6	7.6			13.70380				42.4	26.2	24.9	28.88189	4-5
7 -12.222		310.10984		8.3 9.0			14.12934	0.875	-90 - 1		42.2	29.4	24.7	29.07659	
8 -12,210		298.37238	-37.6		-84.3		14.60505				42.5	33.7	23.2	31-15461	
9 -12.202	-22.230	290.53163	-26.9	5.3			13.67102	0.908	-95.1 -94.7		67.9	29.3	16.9	30.99290	
10 -11.249	-22.314	280.54357	-34.7	4.9			13.27012				53.0	20.0	11.8	28.84992	
11 -10.355		274.07873	-47.3	4.6		43.5	12.90812			65.8	53.2	15.4	12.2	28.97312 27.19536	
12 -9.679		267.43295	-45.9	2.9		43.6	11.99515	0.976		64.9	58.9	7.4	5.9	33.57323	
13 -9.010	~22.449	271.01803 277.59640	-65.0	4.4	-79.9	41.7	12.61966			65.7	53.7	12.4	11.9	24.93416	
15 -9.476	-21.507	287.54105	-72.9	5.7	-79.7	39.8	12.97462			66.5	48.4	18.3	18.1	26.40925	
16 -9.396	-19.618	301.25905	~79.6	7.1 8.5			13.36728				43.1	24.3	24.3	28.15947	
17 -10.202	-19.473	305.51098	-70.1	9.1	-79.1 -80.7	37.7	13.80585	0.891		68.4	38.0	30.5	30.5	30.26350	15-16
18 -11.185	-19.286	313.82085	~60.5	9.9	-82.7		14.17285				37.2	32.1		24.79751	
19 -12.239	-19.073	326.29649	-52.4	10.8	-84.8		15.16398	0.800	-96.2	60.7	37 3	34.9	31.1	30.27416	
20 -13.384	-18.825	343.55840	-45.7	11.9	-87.0		15.76203	0.759	-102.1	69.6		42.9	29.6 26.6	32.56955 35.42262	
71 -13.320	-20.022	325.96127		9.9	-86.5	45.7	15.14315	0.801	-101.0	68.4	43.3	38.5	20.6	35.30422	
22 -13.268			-31.3	7.8	-86 - 1		14.00091					34.7	14.5	32.37145	21-22
23 -13.226 24 -13.191	-22-135	304.46447	-21.9	5.8	-85.7		14.11948			66.4	53.8	31.7	8.4	30.01089	
25 -12.198			-10.9 -13.8	3.7	-85.3	51.5	13.68737			65.4	59.0	29.7	2.4	28.07528	
26 -11.271			-18.4	3.5	-83.9 -82.5	49.4	13.27346				58.5	23.6	4.4	30.12321	24-25
27 -10.399			-27.6	3.1	-82.5		12.90190				58.4	17.5	5.6	28.11594	
ZB -9.679	-23.281		-45.9	2.9	-80.1	43.4	12.54995 11.99515			65.0	58.5	11.7	6.0	26.44414	
							,,,,,,	0.710	-82.1	04.7	20.9	1.4	5.9	21.85223	27-28
JULY 31,1	964 13 HR	23 MIN 58	SEC 783	MS	•	TAB NO	178	ATL	AS PHOTO	O NO	178		POD S	SEQUENCE N	0 362
JULY 31,1 TRAJECTO		23 MIN 58	SEC 783		SEC TO	IMPACT	ALT	LA	Τι	.ON		R	٧	PTH	AZ
TRAJECTO	RY DATA	23 MIN 58	SEC 783			IMPACT		LA	Τι	.ON			٧	•	AZ
TRAJECTO PHOTO DA	RY DATA				SEC TO 110.	IMPACT 016	ALT 253.9318	LA 2 -9.	T L 103 -23	.an 3.904	19	89.387	v 2.473	PTH -66.325 1	AZ 15.347
TRAJECTO PHOTO DA PT LAT 1 -10-684	RY DATA TA LON -20.473	RANGE 281.28413	AZS/C -36.2	AZN	SEC TO 110.	IMPACT 016	ALT 253.9318	LA 2 -9. B/A	T L 103 -23	.ON 3.904 INCD	19: PHA7	89.387 FMIS	V ' 2.473	PTH -66.325 1	AZ 15.347 PT-PT
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205	RY DATA  TA  LON -20.473 -21.337	RANGE 281.28413 275.39251	AZS/C -36.2		SEC TO 110. AZSUN -83.8	IMPACT 016 AZA 45.6	ALT 253.9318; A* 13.22096	LA 2 -9. B/A 0.899	T L 103 -23 AZPHAZ -93-6	.ON 3.904 INCD 67.7	19: PHAZ 42-4	89.387 EMIS	V ' 2.473 ALPHA 24.8	PTH -66.325 1 SCALE 0.	AZ 15.347 PT-PT 0- 1
TRAJECTO  PHOTO DA  PT LAT  1 -10.684  2 -11.205  3 -10.369	TA LON -20.473 -21.337 -22.307	RANGE 281.28413 275.39251 262.24932	AZS/C -36.2 -46.5 -47.5	AZN 6.2	SEC TO 110. AZSUN -83.8 -82.6 -81.1	IMPACT 016 AZA 45.6 43.5 43.4	ALT 253.9318; A= 13.22096 13.08784	LA 2 -9. B/A 0.899 0.910	T L 103 -23 AZPHAZ -93.6 -90.1	.ON 3.904 INCD 67.7 66.9	19: PHAZ 42.4	89.387 EMIS 27.4 24.5	V '2.473 ALPHA 24.8 18.2	PTH -66.325 1 SCALE 0. 30.15327	AZ 15.347 PT-PT 0- 1 1- 2
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324	TA LON -20.473 -21.337 -22.307 -21.439	RANGE 281.28413 275.39251 262.24932 268.80276	AZS/C -36.2 -46.5 -47.5 -58.7	AZN 6.2 6.6 4.6 6.1	SEC TO 110. AZSUN -83.8 -82.6 -81.1 -81.0	IMPACT 016 AZA 45.6 43.5 43.4 41.5	ALT 253.9318; A= 13.22096 13.08784 12.35099 12.71326	LA 2 -9. B/A 0.899 0.910 0.972 0.941	T L 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1	.ON 3.904 INCD 67.7 66.9 65.9	198 PHAZ 42.4 47.6 53.2	89.387 EMIS 27.4 24.5 15.5	V 2.473 ALPHA 24.8 18.2 12.3	PTH -66.325 1 SCALE 0. 30.15327 38.38406	AZ 15.347 PT-PT 0- 1 1- 2 2- 3
TRAJECTO PHOTO DA PT LAT 1 - 10 - 684 2 - 11 - 205 3 - 10 - 369 4 - 10 - 324 5 - 10 - 275	TA LON -20.473 -21.337 -22.307 -21.439 -20.513	RANGE 281.28413 275.39251 262.24932 268.80276 278.69965	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6	AZN 6.2 6.6 4.6 6.1 7.6	SEC TO 110. AZSUN -83.8 -82.6 -81.1 -81.0 -80.9	IMPACT 016 AZA 45.6 43.5 43.4 41.5 39.7	ALT 253.93183 A= 13.22096 13.08784 12.35099 12.71326 13.11424	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906	T L 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6	ON 3.904 INCD 67.7 66.9 65.9 66.7	19: PHAZ 42.4 47.6 53.2 47.8 42.4	EMIS 27.4 24.5 15.5 20.6 26.2	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.9	PTH -66.325 1 SCALE 0. 30.15327 38.38406 25.88033	AZ 15.347 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTO  PHOTO DA  PT LAT  1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.184	LON -20.473 -21.337 -22.307 -21.439 -20.513 -20.375	RANGE 281-28413 275-39251 262-24932 268-80276 278-69965 285-86125	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7	AZN 6.2 6.6 4.6 6.1 7.6 8.2	SEC TO 110. AZSUN -83.8 -82.6 -81.1 -81.0 -80.9 -82.7	IMPACT 016 AZA 45.6 43.5 43.4 41.5 39.7 41.7	ALT 253.9318; A* 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.875	T L 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6	ON 1,904 1NCD 67.7 66.9 65.9 66.7 67.6	19: PHAZ 42.4 47.6 53.2 47.8 42.4	EMIS 27.4 24.5 15.5 20.6 26.2	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.9	PTH -66.325 1 SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605	AZ 15.347 PT-PT 0- 1 1- 2 2- 3 3+ 4 4- 5 5- 6
TRAJECTO PHOTO DATA 1 -10-684 2 -11-205 3 -10-369 4 -10-324 5 -10-275 6 -11-184 7 -12-156	RY DATA  LON -20.473 -21.337 -22.307 -21.439 -20.513 -20.375 -20.220	RANGE 281.28413 275.39251 262.24932 268.80276 278.69965 285.86125 296.74609	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7	AZN 6.2 6.6 4.6 6.1 7.6 8.2 9.0	SEC TO 110. AZSUN -83.8 -82.6 -81.1 -81.0 -80.9 -82.7 -84.6	IMPACT 016 AZA 45.6 43.5 43.4 41.5 39.7 41.7	ALT 253.9318; Ae 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566	LA 2 -9. B/A 0.899 0.912 0.972 0.941 0.906 0.875 0.840	T L 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1	INCD 67.7 66.9 65.9 66.7 67.6	198 PHAZ 42.4 47.6 53.2 47.8 42.4 42.2 42.5	EMIS 27.4 24.5 15.5 20.6 26.2 29.4	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.9 24.7 23.2	PTH -66.325 1 SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82602 29.80443	AZ 15.347 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.325 5 -10.275 6 -11.184 7 -12.156 8 -12.145	RY DATA  LON -20.473 -21.337 -22.307 -21.439 -20.513 -20.375 -20.220 -21.221	RANGE 281.28413 275.39251 262.24932 268.80276 278.69965 285.86125 296.74609 285.50873	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7 -46.0	AZN 6.2 6.6 4.6 7.6 8.2 9.0 7.2	SEC TO 110. AZSUN -83.8 -82.6 -81.1 -81.0 -80.9 -82.7 -84.6	IMPACT 016 AZA 45.6 43.5 43.4 41.5 39.7 41.7 43.6 45.5	ALT 253.9318; A= 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.840 0.876	T L 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.6	INCD 67-7 66-9 65-9 66-7 67-6 67-8 68-1	19: PHAZ 42.4 47.6 53.2 47.8 42.4 42.2 47.9	EMIS 27.4 24.5 15.5 20.6 26.2 29.4 33.6	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.9 24.7 23.2	PTH -66.325 1 SCALE 0. 30.15327 38.38406 25.8803 27.64263 27.82605 29.80443 29.65916	AZ 15.347 PT-PT 0- 1 1- 2 2- 3 3+ 4 4- 5 5- 6 6- 7 7- 8
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.275 6 -11.184 7 -12.156 8 -12.145 9 -12.137	TA LON -20.473 -21.337 -22.307 -20.513 -20.515 -20.220 -21.221 -22.154	RANGE 281.28413 275.39251 262.24932 268.86276 278.69965 285.86125 296.74609 285.50873 277.97795 268.43849	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7 -46.0 -37.8	AZN 6.2 6.6 4.6 6.1 7.6 9.0 7.2 5.3	SEC TO 110. AZSUN -83.8 -82.6 -81.1 -81.0 -80.9 -82.7 -84.6 -84.3	IMPACT 016 AZA 45.6 43.5 41.5 39.7 41.7 43.6 45.5 47.3	ALT 253.9318; A* 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566 13.50330 13.08029	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.840 0.876	T L 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -90.1 -95.6 -95.1	INCD 67.7 66.9 65.9 65.9 66.7 67.6 67.8 68.1 67.1	19: PHAZ 42.4 47.6 53.2 47.8 42.4 42.2 42.5 93.2	EMIS 27.4 24.5 15.5 20.6 26.2 29.4 33.6 29.3 25.8	V 2.473 ALPHA 24.8 18.2 12.3 24.9 24.7 23.2 10.6	PTH -66.325 1 SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.64263 29.80443 29.65916 27.61246	AZ 15.347 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
TRAJECTO PHOTO DA PT LAT 1 -10-684 2 -11-205 3 -10-369 4 -10-324 5 -10-275 6 -11-184 7 -12-156 8 -12-157 9 -12-137 10 -11-26	TA LON - 20.473 - 21.337 - 22.307 - 21.439 - 20.513 - 20.220 - 21.221 - 22.154 - 22.234 - 22.234	RANGE 281.28413 275.39251 262.24932 268.86276 278.69965 285.86125 296.74609 277.97795 268.43849	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.0 -37.8 -27.1 -34.9	AZN 6.2 6.6 4.6 7.6 8.2 9.0 7.2	SEC TO 110. AZSUN -83.8 -82.6 -81.1 -81.0 -80.9 -82.7 -84.6 -84.3 -84.3	IMPACT .016 AZA 45.6 43.5 43.4 41.5 39.7 41.7 43.6 45.5 47.3	ALT 253.93186 A* 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566 13.50330 13.08029 12.69754	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.840 0.976 0.976	T L 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.6 -95.1 -94.7	INCD 67-7 66-9 65-9 66-7 67-6 67-8 68-1 67-1 66-2	19: 42-4 47-6 53-2 47-8 42-4 42-2 42-5 53-2 53-2	89.387 EMIS 27.4 24.5 15.5 20.6 26.2 29.4 33.6 29.3 25.8 20.3	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.9 24.7 23.2 16.6 11.9	PTH -66.325 1 SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.61246 27.71611	AZ 15.347 PT-PT 0-1 1-2 2-3 3+4 4-5 5-6 6-7 7-8 8-9
TRAJECTO PHOTO DA PT LAT 1 - 10.684 2 - 11.205 3 - 10.369 4 - 10.324 5 - 10.275 6 - 11.184 7 - 12.185 8 - 12.145 9 - 12.137 10 - 11.226 11 - 10.369 12 - 9.723	TA LON -20.473 -21.337 -22.307 -21.439 -20.513 -20.375 -20.220 -21.221 -22.154 -22.234 -22.307 -23.161	RANGE 281.28413 275.39251 262.24932 268.80276 285.86125 296.74609 285.50873 277.97795 264.43849 262.24932 255.83403	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7 -46.0 -37.8 -27.1 -34.9 -47.5	AZN 6.2 6.6 4.6 6.1 7.6 8.2 9.0 7.2 5.3	AZSUN -83.8 -82.6 -81.1 -81.0 -80.9 -82.7 -84.3 -84.2 -82.6 -81.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1	IMPACT 016 AZA 45.6 43.5 43.4 41.5 41.7 43.6 45.5 47.3 45.3 45.3 43.4	ALT 253.9318; Ae 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566 13.50330 12.69754 12.35099 12.47808	B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.840 0.876 0.908 0.972 0.972	T L 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -90.1 -95.6 -90.1 -95.6 -90.1 -95.6 -95.6 -95.7 -90.1	INCD 67-7 66-9 65-9 66-7 67-6 67-8 68-1 67-1 66-2 65-9	196 PHAZ 42.4 47.6 53.2 47.8 42.4 42.5 47.9 53.2 53.0 53.2	89.387 EMIS 27.4 24.5 15.5 20.6 26.2 29.4 33.6 29.3 25.8 20.3 15.5	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.7 23.2 16.6 11.9	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.61246 27.71611 26.02238	AZ 15.347 PT-PT 0-1 1-2 2-3 3+4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 9 -12.137 10 -11.226 11 -10.369 12 -9.723 13 -9.663	TA LON -20.473 -21.337 -22.307 -21.439 -20.270 -21.221 -22.154 -22.307 -23.161 -22.364	RANGE 281.28413 275.39251 262.24932 268.80276 278.69965 285.86125 296.74609 265.750873 277.97795 268.43849 262.24932 255.83403	AZS/C -36.5 -46.5 -58.7 -65.6 -54.7 -46.0 -37.8 -27.1 -34.9 -47.5 -46.9	AZN 6.2 6.6 4.6 7.6 8.2 9.0 7.3 5.0 4.6 3.4	AZSUN -83.8 -82.6 -81.1 -80.9 -82.6 -84.3 -84.3 -84.6 -81.1 -80.9 -9.9 -9.9 -9.9 -9.9 -9.9 -9.9 -9.9 -	IMPACT 016 AZA 45-6 43-5 43-4 41-5 39-7 41-7 41-7 43-6 45-5 47-3 43-4 43-3 43-4 43-5	ALT 253.9318; 3.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566 13.50330 13.08029 12.69754 12.35099 11.47808	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.840 0.972 0.972 0.972	T 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5 -82.1	INCD 67.7 66.9 65.9 66.7 67.6 67.8 68.1 67.1 66.2 66.0 65.9 65.0	19 PHAZ 42-4 47-6 53-2 42-4 42-2 42-5 53-2 53-2 53-2	89.387 EMIS 27.4 24.5 15.5 20.6 29.4 33.6 29.3 25.8 20.3 15.5	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.7 23.2 16.9 11.9 12.3 6.0	PTH -66.325 1 SCALE 0.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.61246 27.71611 26.02238 32.13201	AZ 15.347 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
TRAJECTO PHOTO DA PT LAT 1 - 10.684 2 - 11.205 3 - 10.309 4 - 10.324 5 - 10.275 6 - 11.884 7 - 12.156 8 - 12.145 9 - 12.137 10 - 11.226 11 - 10.369 12 - 9.723 13 - 9.663	TA LON -20.473 -21.337 -22.307 -21.459 -20.375 -20.220 -21.221 -22.154 -22.234 -22.346 -22.364 -21.550	RANGE 281. 28413 275. 39251 262. 24932 268. 80276 278. 69965 285. 88125 296. 74609 285. 50873 277. 97795 268. 43849 262. 24932 255. 83403 259. 30456 655. 62634	AZS/C -36-2 -46-5 -47-5 -58-7 -65-6 -54-7 -46-0 -37-8 -27-1 -34-9 -47-9 -46-2 -64-2 -72-8	AZN 6.2 6.6 4.6 7.6 8.2 9.0 7.2 5.0 4.6 3.0 4.5	AZSUN -83.8 -82.6 -81.1 -81.0 -80.9 -82.7 -84.6 -84.3 -84.2 -82.6 -80.1 -80.1 -79.6	IMPACT 016 AZA 45.6 43.5 43.4 41.5 39.7 41.7 43.6 45.5 47.3 45.3 45.3 45.3 45.3 45.3	ALT 253.9318; A. 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566 13.97566 13.98029 12.69754 12.35099 11.47808 12.07421 12.41510	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.876 0.876 0.908 0.972 0.972 0.976 0.9964	T L103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5 -82.1 -81.5	INCD 67-7 66-9 65-9 66-7 67-6 67-8 68-1 67-1 66-2 65-9 65-8 65-8	19: 42-4 47-6 53-2 42-4 42-2 42-5 53-2 53-2 53-2	89.387 EMIS 27.4 27.5 20.6 20.2 29.4 33.6 29.3 20.3 15.5 12.5	V 2.473 ALPHA 18.2 12.3 12.6 24.9 24.7 23.2 16.9 10.6 11.3 6.0 12.0	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.842605 29.80443 29.65916 27.61246 27.71611 26.02238 32.13201 23.86048	AZ 15.347 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 8 -12.137 10.10.369 11 -10.369 12 -9.723 13 -9.638 14 -9.598	TA LON -20.473 -21.337 -22.307 -21.439 -20.513 -20.275 -20.220 -21.221 -22.154 -22.34 -22.34 -22.364 -21.520 -20.6621	RANGE 281-28413 275-39251 262-24932 268-86276 278-6965 285-86125 296-74609 285-50873 277-97795 268-43849 262-24932 255-83403 259-30456 265-62634	AZS/C -36-2 -46-5 -47-5 -58-7 -65-6 -34-9 -47-5 -46-9 -72-8	AZN 6.2 6.6 4.6 6.1 7.6 8.2 5.3 5.0 4.4 5.8	AZSUN -83.8 -82.6 -81.0 -80.9 -82.7 -84.6 -84.1 -79.9 -79.6	IMPACT 016 AZA 45.6 43.5 43.4 41.5 39.7 43.6 45.5 47.3 45.3 45.3 45.3 45.7 39.8	ALT 253.9318; 13.22096 13.08784 12.35099 12.71326 13.52159 13.97566 13.50330 13.08029 12.69754 12.35099 11.47808 12.07421 12.41510	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.840 0.876 0.908 0.972 0.972 0.976 0.996 0.996 0.9964	T L103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -94.7 -90.1 -85.5 -82.1 -81.5 -80.8	INCD 67-7 66-9 65-9 66-7 67-6 67-6 67-6 68-1 67-1 66-2 66-0 65-9 65-9 65-0 65-8	19: PHAZ 42-4 47-6 53-2 47-8 42-4 42-5 47-9 53-0 53-0 53-7 48-4	89.387 EMIS 27.4 24.5 15.6 26.2 29.4 33.6 29.3 20.3 15.5 7.5 12.5 12.5	V 2.473 ALPHA 18.2 12.3 12.3 12.6 12.9 10.6 11.9 12.0 12.0 12.0	PTH -66.325 1 SCALE 0.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.61246 27.71611 26.02238 32.13201	AZ 15.347 PI-PT 0-1 1-2 2-3 3-4-5 5-6 6-7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTO PHOTO DA PT LAT 1 - 10.684 2 - 11.205 3 - 10.309 4 - 10.324 5 - 10.275 6 - 11.184 7 - 12.156 8 - 12.145 9 - 12.137 10 - 11.226 11 - 10.369 12 - 9.723 13 - 9.663 14 - 9.958 15 - 9.528	TA LON -20.473 -21.337 -22.307 -20.513 -20.375 -20.220 -21.221 -22.154 -22.307 -23.161 -22.364 -21.520 -20.621 -19.655	RANGE 281-28413 275-39251 262-24932 268-86276 278-69965 285-86125 277-97795 268-43849 262-24932 255-83403 259-30456 265-62634 275-15310	AZS/C -36.2 -46.5 -58.7 -65.6 -54.7 -46.0 -37.8 -27.1 -46.9 -47.5 -64.9 -79.5	AZN 6.2 6.6 6.1 7.2 9.0 7.2 5.0 4.6 4.6 5.8 7.2	AZSUN -83.8 -82.6 -81.1 -81.0 -80.9 -80.9 -84.3 -84.2 -82.6 -81.1 -80.1 -79.9 -79.6 -79.6 -79.0	IMPACT .016 AZA 45.6 43.5 43.4 41.7 43.5 47.3 45.5 47.3 45.5 47.3 43.4 43.5 43.6 43.5 43.6 38.0 38.0	ALT 253-9318; ALT 13-22096 13-08784 12-35099 13-11424 13-52159 13-97566 13-52159 13-68754 12-35099 11-47808 12-07421 12-41510 12-7133 13-21047	LA 2 -9. B/A 0.899 0.971 0.972 0.941 0.975 0.875 0.875 0.908 0.972 0.972 0.972 0.976 0.996 0.996	T LI 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -95.1 -94.7 -90.1 -95.5 -82.1 -81.5 -80.8 -79.9 -78.9	ON 5.904 INCD 67.9 65.9 66.7 67.8 68.1 67.8 68.1 66.2 66.0 65.9 65.0 65.8 66.6 67.4	19: PHAZ 42-4 47-6 53-2 47-8 42-4 42-5 47-9 53-2 53-9 53-7 48-4 43-1	89.387 EMIS 27.45 15.5 20.6 29.4 29.8 29.8 25.8 27.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12	V 2.473 ALPHA 24.8 18.6 24.7 23.2 16.9 11.9 12.3 6.00 12.0 18.1 24.3 30.4	PTH -66-325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.61246 27.71611 26.02238 22.13201 23.86048 25.27598 26.94952 28.95381	AZ 15.347 PT-PT 0-1 1-2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 8 -12.137 10.10.369 11 -10.369 12 -9.723 13 -9.638 14 -9.598	TA LON - 20.473 - 21.337 - 22.307 - 21.439 - 20.513 - 20.220 - 21.221 - 22.154 - 22.34 - 22.34 - 22.364 - 21.520 - 20.621 - 19.655 - 19.516	RANGE 281-28413 275-39251 262-24932 268-80276 278-69965 285-50873 277-97792 268-43849 262-24932 255-83403 255-83403 255-83403 257-330456 265-62634 275-15310 288-26826 292-35440	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -74.0 -37.8 -27.8 -27.8 -46.2 -46.2 -66.2 -72.8 -72.8 -70.5	AZN 6.2 6.6 6.1 7.62 9.0 7.2 5.3 4.6 3.0 4.6 5.8 7.2 8.5	AZSUN -83-8 -82-6 -81-1 -81-0 -80-9 -82-7 -84-6 -84-3 -84-2 -82-6 -81-1 -79-9 -79-6 -79-4 -79-0 -80-7	IMPACT 016 AZA 43.5 43.4 41.5 39.7 41.7 43.6 45.5 47.3 45.3 45.3 45.3 45.3 45.3 45.3 45.5 41.7 38.0 36.1 37.9	ALT 253-9318; A** 13.22096 13.08784 12.35099 12.71326 13.97566 13.52159 13.97566 12.69754 12.45091 11.47808 12.07421 12.41510 12.79133 13.2047 13.56251	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.876 0.876 0.908 0.942 0.972 0.976 0.964 0.996 0.964 0.930 0.891	T L103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.6 -90.1 -94.7 -90.1 -85.5 -80.8 -79.9 -78.9	INCD 67-7 66-9 65-9 66-7 67-6 67-8 68-1 67-1 66-2 65-9 65-0 65-8 66-6 67-4 68-4	PHAZ 42-4 47-6 53-2 47-8 42-2 42-5 53-0 53-2 53-7 48-4 43-1 38-0 37-2	89.387 EMIS 27.45 15.5 20.62 23.63 225.8 225.8 25.8 125.5 12.5 12.3 30.4 30.4	V 2.473 AL PHA 24.8 18.2 12.3 18.6 24.7 23.2 16.9 11.9 12.0 12.0 124.3 300.4	PTH -66.325 1 SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.8916 27.61246 27.71611 26.02238 32.13201 23.86048 25.27598 26.9952 28.95381 23.73183	AZ 15.347 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 8 -12.145 9 -12.137 10 -11.226 11 -10.369 12 -9.723 13 -9.663 14 -9.598 15 -9.528 16 -9.522 17 -10.223 18 -11.163	RY DATA  TA  LON  -20-473 -21-337 -22-307 -21-439 -20-513 -20-375 -20-220 -21-221 -22-154 -22-307 -23-161 -22-364 -21-520 -19-655 -19-516 -19-337 -19-134	RANGE 281-28413 275-39251 262-24932 268-86276 278-69965 285-86125 296-74609 285-50873 277-97795 268-4387 262-24932 255-83403 259-30456 265-62634 275-15310 288-26826 292-35440	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7 -46.0 -37.8 -27.1 -46.2 -64.9 -72.8 -70.5 -70.5	AZN2 6.26 4.61 7.62 9.02 75.30 4.44 5.82 8.51 9.91	AZSUN -83-8 -82-6 -81-1 -81-0 -80-9 -84-2 -84-6 -81-1 -79-9 -79-6 -79-6 -79-7 -79-0 -80-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7	IMPACT 016 AZA 45.6 43.5 43.4 41.7 43.6 45.5 47.3 43.4 43.4 43.5 36.1 37.9 39.8	ALT 253+9318; As 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.47566 13.50330 13.48029 12.47510 12.41510 12.41510 12.79133 13.21047 13.56251 14.00878	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.840 0.972 0.976 0.996 0.996 0.996 0.938	T L103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -90.1 -94.7 -90.1 -85.5 -82.1 -84.6 -99.9 -84.7 -90.8 -79.9 -84.1 -90.1	ON 5.904 INCD 67.7 66.9 65.9 66.7 67.6 67.8 68.1 66.2 66.0 65.9 65.0 65.8 66.4 68.4 68.6	PHAZ 42.6 53.2 42.4 42.5 53.0 53.0 53.9 53.7 48.4 43.0 33.2	89.387 E27.45 15.5 206.2 233.6 225.8 225.8 25.5 12.5 12.5 12.5 12.5 24.3 25.5 24.3 25.5 24.3 25.5 26.2 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27	V 2 - 473  AL PHA 24.8 18.2 12.3 18.6 24.7 23.2 16.9 12.0 12.0 12.0 12.0 131.0 31.2 0	PTH -66-325 1 SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.71611 26.02238 32.13201 23.86048 25.27598 26.94952 28.95381 23.73183 28.96982	AZ 15.347 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 9 -12.137 10 -11.266 11 -10.367 12 -9.723 13 -9.663 14 -9.598 16 -9.452 17 -10.223 18 -11.163 19 -12.172 20 -13.266	TA LON -20.473 -21.337 -22.307 -21.439 -20.513 -20.220 -21.221 -22.234 -22.234 -22.234 -21.520 -20.655 -19.516 -19.337 -19.134 -18.899	RANGE 281-28413 275-39251 262-24932 268-86276 278-6965 285-86125 296-74609 285-50873 277-97795 268-43849 262-24932 255-83403 259-30456 265-62634 275-15310 288-26826 292-35440	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7 -46.0 -37.8 -27.1 -34.9 -47.5 -46.2 -64.9 -70.5 -70.1 -60.5	AZN 6.2 6.6 6.1 7.62 9.0 7.2 5.3 4.6 3.0 4.6 5.8 7.2 8.5	AZSUN -83-8 -82-6 -81-1 -81-0 -80-9 -84-3 -84-2 -62-6 -81-1 -79-6 -79-4 -79-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -84-8	AZA 45-6 43-5 43-4 41-5 39-7 41-7 43-6 45-5 47-3 45-3 45-3 43-5 41-7 39-8 38-0 37-9 39-8 41-8	ALT 253-9318; A** 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566 12.69754 12.35099 11.47808 12.07421 12.41510 12.79133 13.21047 13.56251 14.00878 14.50981	LA Z -9. B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.942 0.972 0.976 0.976 0.996 0.964 0.930 0.891 0.867	T 103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.6 -95.1 -94.7 -90.1 -81.5 -80.8 -79.9 -78.9 -78.9	INCD 67-7 66-9 65-9 66-7 67-6 67-1 66-2 66-0 65-9 65-8 66-6 67-4 68-6 68-9 69-9	PHAZ 42.4 47.6 53.2 47.8 42.2 42.5 53.0 53.0 53.0 53.0 53.0 37.2 36.8	89.387 EMIS 27.55 224.55 120.62 239.8 225.8 225.8 225.8 225.8 230.5 12.5 12.5 12.5 13.6	V 2.473 AL PHA 24.8 18.6 24.7 23.2 16.6 11.3 18.6 12.0 12.0 13.0 24.3 30.4 231.0	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.5916 27.61246 27.71611 26.02238 32.13201 23.86048 25.27592 26.94952 28.95381 23.73183 28.96982	AZ 15.347 PT-PT 0-11-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14-15 15-16 16-17 17-18
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 8 -12.145 9 -12.137 10 -11.226 11 -10.369 12 -9.723 13 -9.653 14 -9.598 15 -9.528 16 -9.522 17 -10.223 18 -11.163 19 -12.17 20 -13.266	RY DATA  TA  LON  -20-473 -21-337 -22-307 -21-439 -20-513 -20-513 -20-375 -20-220 -21-221 -22-154 -22-307 -23-161 -22-364 -21-520 -19-655 -19-516 -19-337 -19-134 -18-899 -20-042	RANGE 281.28413 275.39251 262.24932 268.80276 278.69965 285.66125 296.74609 285.50873 277.97795 268.43849 262.24932 255.83403 259.30456 265.62634 275.15310 288.26826 262.35440 300.30426 302.35440 300.30426 302.35440 303.30426	AZS/C -36-2 -46-5 -47-5 -58-7 -65-6 -54-7 -46-0 -37-8 -27-1 -34-9 -47-2 -66-9 -72-8 -76-9 -79-5 -70-1 -60-5 -52-4 -45-8 -39-8	AZN 6.6 6.6 4.6 7.6 8.0 7.2 5.3 4.6 3.0 4.8 7.2 9.1 9.1	AZSUN -83-8 -82-6 -81-1 -81-0 -80-9 -84-2 -84-6 -81-1 -79-9 -79-6 -79-6 -79-7 -79-0 -80-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7 -82-7	IMPACT 016 AZA 45-6 43-5 43-5 41-5 39-7 43-6 45-5 47-3 45-3 45-3 45-3 38-0 36-1 37-8 41-8 43-8 43-8	ALT 253-9318.  A** 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.97566 13.1624 12.45091 12.47808 12.07421 12.41510 12.79133 13.21047 13.56251 14.00878 14.50931 15.07788	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.875 0.876 0.972 0.972 0.972 0.975 0.996 0.976 0.9871 0.860 0.860 0.761	T L103 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -95.1 -85.6 -90.7 -90.5 -82.1 -85.6 -90.7 -90.1 -90.2 -102.1 -90.2 -102.1	INCD 65-9 66-7 67-6 67-8 68-1 66-2 65-9 65-9 65-8 66-4 68-4 68-4 68-6 68-9 69-2 69-5	PHAZ 42-4 47-6 53-2 47-8 42-4 42-5 53-0 53-0 53-7 43-1 38-0 36-8 37-2	89.387 E27.55 226.4 150.6 229.4 150.6 229.4 170.5 180.3 120.3	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.7 23.2 16.9 11.9 12.3 6.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.64263 27.64263 27.61246 27.71611 26.02238 32.13201 23.86048 25.27598 26.94952 28.95381 23.73183 28.96382 31.15229	AZ 15.347 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 15-16 16-17 17-18 18-19
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 8 -12.137 10.10.369 12 -9.723 13 -9.663 14 -9.598 15 -9.528 16 -9.452 17 -10.23 18 -11.163 19 -12.172 20 -13.266	TA LON -20.473 -21.337 -22.307 -21.439 -20.513 -20.220 -21.221 -22.154 -22.234 -22.234 -21.520 -19.655 -19.516 -19.337 -19.134 -18.899 -20.042 -21.091	RANGE 281.28413 275.39251 262.24932 268.86276 278.69965 285.86125 296.74609 267.797795 268.43849 255.83403 255.83403 255.83403 255.83403 275.15310 288.26826 292.35440 300.30426 312.20871 311.85269 299.59121	AZS/C -36.5 -47.5 -58.7 -65.6 -54.7 -46.0 -37.8 -37.8 -74.9 -47.5 -46.2 -64.9 -72.8 -76.5 -76.5 -76.5 -76.5 -76.5 -76.5 -76.5	AZ.2 6.6 6.6 6.1 7.6 2 9.0 2 5.0 4.4 8.1 9.9 9.9 10.8 9.8	AZSUN -838 -82.6 -81.1 -81.0 -80.2 -7 -84.6 -84.1 -81.1 -80.1 -79.6 -79.6 -79.6 -79.6 -79.6 -79.6 -79.6 -86.5 -86.5 -86.5	IMPACT 016 AZA 45-6 43-5 43-5 41-7 43-6 45-5 47-3 45-5 47-3 36-1 38-0 36-1 37-9 39-8 41-8 43-7 43-6 43-7 43-7 43-6 43-7 43-6 43-7 43-7 43-6 43-7	ALT 253-9318; A* 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.69736 12.69754 12.35099 11.47808 12.07421 12.41510 12.79133 13.21047 13.56251 14.00878 14.50931 15.07788	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.908 0.875 0.840 0.876 0.972 0.972 0.976 0.996 0.800	T L103 -22 AZPHAZ -90.1 -85.5 -85.1 -84.6 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5 -80.8 -79.9 -78.9 -78.9 -78.9 -78.9	INCD 67.7 66.9 65.6 67.4 66.2 66.6 67.4 68.6 67.4 68.6 67.4 68.6 67.4 68.6 68.9 69.2 69.5 68.6	PHAZ 42-4 47-6 42-4 42-5 47-9 53-0 53-0 53-7 48-4 337-8 337-8 337-8 337-8	89.387 627.4.5 627.5.5 120.6.2 120.6.3 120.	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.9 24.7 23.2 16.9 11.9 12.0 12.0 12.0 13.1 24.3 30.4 31.2 29.6	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.61246 27.71611 26.02238 32.13201 23.86048 25.27598 26.94952 28.95381 23.73183 28.96982 23.73183	AZ 15.347 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 8 -12.145 9 -12.137 10 -11.226 11 -10.369 12 -9.723 13 -9.658 14 -9.598 15 -9.528 16 -9.452 17 -10.223 18 -11.163 19 -12.172 20 -13.266 21 -13.206 22 -13.156	TA LON - 20.473 - 21.337 - 22.307 - 21.439 - 20.513 - 20.375 - 20.220 - 21.221 - 22.154 - 22.234 - 22.307 - 23.161 - 22.364 - 21.550 - 19.516 - 19.537 - 19.134 - 18.899 - 20.042 - 21.091 - 22.063	RANGE 281-28413 275-39251 262-24932 268-86276 278-69965 285-86125 276-74609 285-50873 277-97795 268-43849 262-24932 255-83403 259-30456 265-62634 275-15310 288-26826 292-35440 300-304-26 312-20871 328-64635 311-85269 299-59121	AZS/C -36-2 -46-5 -47-5 -58-7 -65-6 -54-7 -46-0 -37-8 -27-1 -34-9 -47-5 -70-1 -60-5 -70-1 -60-5 -52-4 -45-8 -39-8 -31-5 -22-1	AZN 26.6 4.6 4.6 17.6 2 9.0 2 7.2 3 5.0 4.6 0 4.4 5.8 5.1 9.9 10.8 19.8 7.8 5.8	AZSUN -83-8 -82-6 -81-1 -81-0 -80-9 -82-7 -84-6 -81-1 -79-9 -79-6	IMPACT 016 AZA 45.6 43.5 43.4 41.5 39.7 41.7 43.6 47.3 43.4 43.5 41.7 39.8 43.5 41.7 39.8 43.5 41.7 39.8 43.6 43.5 41.7 39.8 43.6 43.7 44.6 44.6 45.6 47.6	ALT 253-9318; As- 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.08029 12.69754 12.35099 11.47808 12.07421 12.41510 12.79133 13.21047 13.56251 14.00878 14.50931 15.07788 14.50931 15.07788	B/A 0.899 0.910 0.972 0.941 0.906 0.875 0.840 0.942 0.972 0.976 0.996 0.930 0.881 0.830 0.867 0.838 0.838 0.838	T 103 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -95.1 -94.7 -90.1 -85.5 -82.1 -81.5 -80.8 -79.9 -78.9 -78.9 -70.1 -90.1 -90.1	INCD 65-9 65-9 65-9 65-9 65-9 65-9 65-6 67-4 68-6 68-6 68-6 68-6 68-6 68-6 68-6 68	190 PHAZ 42.4 47.6 53.2 47.8 42.4 42.5 47.9 53.0 53.7 48.1 38.0 37.2 36.8 37.2 43.3 48.6 48.3	89.387 MI.4.55 1206.4 1206.4 1206.3 1206.	V 2.473 ALPHA 24.8 18.2 12.3 18.6 24.9 24.7 23.2 16.9 11.9 12.0 12.0 12.0 13.1 24.3 30.4 31.2 29.6	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.64263 29.65916 27.71611 26.02238 32.13201 23.86048 25.27598 26.94952 28.95381 28.96982 31.15229 33.85167 33.75365	AZ 15.347 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 13-14 14-15 15-16 16-17 18-19 20-21 20-21
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 8 -12.157 10.11.264 11 -10.369 12 -9.723 13 -9.663 14 -9.598 15 -9.528 16 -9.452 17 -10.223 18 -11.163 19 -12.172 20 -13.266 21 -13.266 22 -13.156 23 -13.156	TA LON -20.473 -21.337 -22.307 -21.439 -20.513 -20.220 -21.221.54 -22.234 -22.234 -21.520 -20.621 -19.655 -19.516 -19.337 -19.134 -8.899 -20.042 -21.091 -22.063 -22.0	RANGE 281-28413 275-39251 262-24932 268-86276 278-69965 285-86125 296-74609 285-50873 277-97795 268-43849 255-83403 255-83403 259-30456 262-24932 255-83403 275-15310 288-26826 292-35440 300-30426 311-85269 299-59121 291-26268 286-35939	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7 -46.0 -37.8 -27.1 -34.9 -47.5 -46.2 -64.9 -70.5 -70.1 -60.5 -52.4 -39.3 -31.5 -22.1	AZ.26.64.64.17.62.07.5.06.04.8.25.19.98.11.88.97.88.88.88.88.88.88.88.88.88.88.88.88.88	AZSUN -838 -82.6 -81.1 -81.0 -9.2 -7.84.6 -84.1 -81.0 -9.2 -7.9 -6.2 -7.9 -6.3 -7.9 -6.3 -7.9 -6.3 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9 -7.9	IMPACT 016 AZA 45-6 43-5 43-4 41-5 41-7 43-6 45-5 47-3 43-4 43-7 45-3 43-4 43-7 45-3 43-4 43-7 45-6 47-7 39-8 41-7 39-8 41-7 39-8 41-7 39-8 41-7 41-7 41-7 41-7 41-7 41-7 41-7 41-7	ALT 253-9318; A** 13.22096 13.08784 12.35099 12.71326 13.152159 13.97566 13.52159 13.97566 12.69754 12.35099 11.47808 12.07421 12.41510 12.79133 13.21047 13.56251 14.00878 14.50931 15.07788 14.48767 13.98897 13.50719 13.96879 13.96879 13.96879	B/A 0.899 0.9910 0.9910 0.9911 0.906 0.875 0.840 0.972 0.972 0.972 0.976 0.906 0.908 0.906 0.908 0.907 0.908	T L103 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -90.1 -94.7 -90.1 -94.7 -90.1 -85.5 -80.8 -79.9 -78.9 -78.9 -78.9 -78.9 -78.9 -79.1 -101.0 -99.3 -98.3	INCD 65.9 65.9 66.7 6 66.4 68.1 1 66.2 65.9 65.9 65.9 65.9 65.9 65.0 65.8 66.6 67.4 68.6 69.2 69.5 66.4 68.6 66.6 67.4 66.6 68.9 69.5 66.4 68.6 66.5 67.4 66.4 68.6 66.5 67.4 66.4 68.6 68.9 69.5 66.4 67.4 66.4 68.6 68.9 69.5 66.4 67.4 66.4 68.6 68.9 69.5 66.4 67.4 66.4 68.6 68.9 69.5 66.4 67.4 66.4 68.5 68.9 69.5 66.4 67.4 66.4 68.5 68.9 69.5 66.4 67.4 66.4 68.5 68.9 69.5 66.4 67.4 66.4 68.5 68.9 69.5 66.4 67.4 66.4 68.5 68.9 69.5 66.5 66.5 66.5 66.5 66.5 66.5 66	19' PHAZ 47.6 47.6 47.6 47.8 42.2 47.9 53.2 53.0 53.0 53.0 37.2 37.2 37.8 48.4 43.1 37.2 37.8 48.6 53.8	89 E27455624638355553344885746666	V 2.473 ALPHA 24.8 18.8 18.8 18.6 24.9 24.7 16.0 11.9 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.89443 29.65916 27.71611 26.02238 32.13201 23.86048 25.27598 26.95381 23.73183 28.96982 33.75365 30.75968 28.71825	AZ 15.347 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-7 9-10 10-11 11-12 13-14 14-15 15-16 16-17 17-18 18-19 20-21 20-22 22-23
TRAJECTO PHOTO DA PT LAT 1 - 10.684 2 - 11.205 3 - 10.309 4 - 10.324 5 - 10.275 6 - 11.184 7 - 12.156 8 - 12.145 9 - 12.137 10 - 11.266 11 - 10.369 12 - 9.723 13 - 9.63 14 - 9.598 15 - 9.528 16 - 9.452 17 - 10.223 18 - 111.63 19 - 12.172 20 - 13.266 21 - 13.206 22 - 13.156 23 - 13.166 24 - 13.082 25 - 12.13	TA LON -20.473 -21.337 -22.307 -21.449 -20.513 -20.220 -21.221 -22.154 -22.307 -23.161 -22.364 -21.520 -20.621 -19.655 -19.337 -19.134 -18.899 -20.042 -21.091 -22.063 -22.973 -23.029	RANGE 281-28413 275-39251 262-24932 268-86276 278-69665 285-86125 296-74609 285-50873 277-97795 268-43849 259-30456 259-30456 259-30456 292-35440 300-30426 312-20871 311-85269 299-59121 291-26268 286-2635939	AZS/C -36-2 -46-5 -47-5 -58-7 -65-6 -54-7 -46-0 -37-8 -27-1 -34-9 -47-5 -64-9 -70-1 -60-5 -52-4 -45-8 -39-3 -31-5 -22-1 -11-2	AZN 6.2 6.6 6.6 6.6 7.6 2 9.0 2 5.0 4.0 4 5.8 9.9 9.9 10.8 11.8 7.8 8 3.8 7.8 8 3.8 7.8 8 7.8 8 7.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 9.	AZSUN -83-8 -82-6 -81-1 -81-0 -80-9 -82-7 -84-6 -81-1 -79-9 -79-6 -79-6 -79-6 -79-6 -79-6 -86-1 -86-1 -85-8 -85-4 -88-5	IMPACT 016 45.6 43.5 43.5 41.5 39.7 41.7 43.6 45.5 47.3 43.4 43.5 41.7 39.8 38.0 38.0 36.1 37.9 39.8 43.6 43.5 41.7 43.6 43.5 41.7 43.6 43.5 41.7 43.6 43.5 41.7 43.6 43.5 41.7 43.6 43.5 41.7 43.6 43.5 43.6 43.5 43.6 44.6 45.6 47.6 49.6	ALT 253-9318; As- 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.08029 12.69754 12.35099 11.47808 12.07421 12.41510 12.79133 13.21047 13.56251 14.00878 14.	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.906 0.876 0.9876 0.9942 0.972 0.976 0.996 0.996 0.930 0.876 0.838 0.871 0.838	T 1103 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.6 -90.1 -94.7 -90.1 -94.7 -90.1 -94.7 -90.1 -81.5 -80.8 -79.9 -84.1 -90.2 -102.1 -101.0 -100.0 -99.3 -98.6 -998.6	INCD 67.7 66.7 66.7 66.7 66.7 66.7 66.7 66.	19 PHAZ 42.4 47.6 47.8 42.2 42.5 53.2 53.0 53.7 43.1 38.0 26.8 37.2 43.3 37.2 43.3 53.8 53.8 53.8 53.8	89 . 3 87	V 2.473 ALPHA 24.8 18.2 24.7 23.6 9 10.6 6 112.3 30.4 231.0 29.5 6 20.6 5 20.6 6 14.5 26.6 6 4.5 6 4.5	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.71611 26.02238 32.13201 23.86048 25.27598 26.94952 28.95381 23.73183 28.96953 28.96381 23.73183 28.96953 28.96381 23.73183 28.96868417 28.79594	AZ 15.347 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-22 22-23 23-24-25
TRAJECTO PHOTO DA PT LAT 1 -10.684 2 -11.205 3 -10.369 4 -10.324 5 -10.275 6 -11.184 7 -12.156 8 -12.145 9 -12.137 10 -11.26 11 -10.369 12 -9.723 13 -9.663 14 -9.598 15 -9.528 16 -9.452 17 -10.223 18 -11.163 19 -12.17 20 -13.266 21 -13.206 22 -13.156 23 -13.116 24 -13.082 25 -12.133	TA LON - 20.473 - 21.337 - 22.307 - 20.513 - 20.513 - 20.220 - 21.221 - 22.154 - 22.307 - 23.161 - 22.364 - 21.520 - 20.621 - 19.655 - 19.516 - 19.337 - 19.134 - 18.899 - 20.042 - 21.091 - 22.063 - 22.973 - 23.029 - 23.079	RANGE 281-28413 275-39251 262-24932 268-80276 278-69965 285-86125 296-74609 285-50873 277-97795 268-43849 275-18310 288-26826 265-62634 275-15310 288-26826 292-35440 300-30426 311-85269 291-59121 291-26268 286-35939 273-69960	AZS/C -36.25 -47.5 -58.7 -65.6 -54.7 -46.0 -37.8 -27.1 -34.9 -47.5 -46.2 -66.2 -70.5 -70.5 -70.5 -52.4 -39.3 -39.3 -39.3	AZN 6.2 6.6 6.6 6.1 7.2 5.3 5.0 3.0 4.5 8.2 7.8 7.8 7.8 7.8 3.8 3.8 3.8 3.8 3.8	AZSUN -83.8 -82.6 -81.1 -81.0 -82.7 -84.3 -84.2 -82.6 -81.1 -79.9 -79.6 -79.6 -85.8 -87.0 -86.5 -85.8 -87.0 -86.5 -85.8 -87.0 -86.5 -85.8 -87.0 -86.5 -85.8 -87.0 -86.5 -85.8 -87.0 -86.5 -85.8 -87.0 -86.5	IMPACT 016 AZA 45-6 43-5 43-5 43-7 43-5 47-7 43-6 47-3 43-5 47-7 38-0 36-1 37-9 39-8 43-7 43-5 41-7 39-8 43-4 43-5 41-7 49-1 49-1 49-1 49-1	ALT 253-9318; A** 13.22096 13.08784 12.35099 12.71326 13.97566 13.52159 13.97566 12.69754 12.45509 12.44510 12.49754 12.35099 11.47808 12.07421 12.41510 12.79133 13.21047 13.56251 14.00878 14.50931 15.07788 14.50931 15.07788 14.48767 13.96897 13.50719 13.50719 13.50719 13.50719 13.50719 13.50719 13.2071788	LA 2 -9. B/A 0.899 0.910 0.972 0.941 0.875 0.876 0.986 0.942 0.972 0.976 0.996 0.930 0.811 0.802 0.803	T L103 -22 AZPHAZ -90.1 -85.5 -85.1 -90.1 -95.6 -90.1 -94.7 -90.1 -94.7 -90.1 -94.7 -90.1	ON 1,904 INCD 66.9 65.9 66.7 67.7 67.6 68.1 67.1 66.2 66.0 65.0 65.8 68.4 67.4 66.6 68.4 67.4 66.5 65.2	19/ PHAZ 47-6 53-2 42-8 42-9 53-2 53-2 53-7 48-4 33-2 37-2 37-2 48-6 59-0 58-5 59-0 58-5	89.387 27.45 24.55 20.66 26.22 29.4 29.3 20.3 20.3 20.3 20.3 20.3 20.3 20.4 30.4	V 2 -473  AL PHA 8 2 4 - 8 1 8 - 2 2 4 - 7 2 2 3 - 1 8 - 6 9 2 4 - 7 2 2 3 - 9 1 0 - 6 - 0 1 2 4 - 3 3 1 - 0 5 2 6 - 6 6 1 4 - 5 5 2 6 - 5 5 - 7	PTH -66.325 1 SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.8916 27.61246 27.71611 26.02238 32.13201 23.86048 25.27598 32.13201 23.86048 25.27598 32.13201 23.86048 25.7598 26.9932 28.95381 28.79598 28.71825 28.95381 28.75964 28.775465	AZ 15.347 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 11-13 11-14 11-13 11-14 11-17 11-18 11-17 11-18 12-13 12-13 11-12 12-13 11-14 11-12 12-13 11-14 11-12 12-13 11-14 11-12 12-13 11-14 11-15 11-16 11-17 11-18 11-
TRAJECTO PHOTO DA PT LAT 1 - 10.684 2 - 11.205 3 - 10.309 4 - 10.324 5 - 10.275 6 - 11.184 7 - 12.156 8 - 12.145 9 - 12.137 10 - 11.266 11 - 10.369 12 - 9.723 13 - 9.63 14 - 9.598 15 - 9.528 16 - 9.452 17 - 10.223 18 - 111.63 19 - 12.172 20 - 13.266 21 - 13.206 22 - 13.156 23 - 13.166 24 - 13.082 25 - 12.13	TA LON -20.473 -21.337 -22.307 -20.513 -20.375 -20.220 -21.221 -22.154 -22.307 -23.161 -22.364 -21.520 -20.621 -19.655 -19.337 -19.134 -18.899 -20.042 -21.091 -22.063 -22.973 -23.079 -23.1091 -22.063 -22.973 -23.079 -23.1091 -22.064 -21.520 -20.621 -22.064 -21.520 -20.621 -22.073 -23.079 -23.079 -23.079 -23.124	RANGE 281-28413 275-39251 262-24932 268-86276 278-6965 285-86125 296-74609 285-50873 277-97795 268-43849 255-83403 255-33456 265-62634 275-15310 300-30426 312-20871 328-64635 311-85269 299-59121 281-26268 284-2636960 264-58665 286-386960 264-58665	AZS/C -36.2 -46.5 -47.5 -58.7 -65.6 -54.7 -46.0 -37.8 -27.1 -34.9 -47.5 -46.2 -64.9 -79.5 -70.1 -60.5 -52.4 -45.8 -39.3 -31.5 -11.1 -11.8	AZN 6-2 6-6 6-1 6-1 6-1 6-1 6-1 6-1 6-1 6-1 6-1	AZSUN -83-8 -82-6 -81-1 -81-0 -80-9 -82-7 -84-6 -81-1 -79-9 -79-6 -79-6 -79-6 -79-6 -79-6 -86-1 -86-1 -85-8 -85-4 -88-5	IMPACT 016 45.6 43.4 41.5 39.7 41.7 43.6 45.5 47.3 43.6 45.5 47.3 38.0 38.0 38.0 38.0 39.7 41.8 43.5 41.8 43.5 41.8 43.6 43.5 43.5 43.5 43.5 43.5 43.5 43.5 43.5 43.5 43.5 43.5 43.6 43.5 43.6 43.5 43.6 43.5 43.6 43.6 43.5 43.6	ALT 253-9318; As- 13.22096 13.08784 12.35099 12.71326 13.11424 13.52159 13.08029 12.69754 12.35099 11.47808 12.07421 12.41510 12.79133 13.21047 13.56251 14.00878 14.	LA 8/8 0.889 0.910 0.900 0.972 0.972 0.941 0.906 0.972 0.972 0.972 0.976 0.964 0.908 0.972 0.976 0.964 0.908 0.902 0.964 0.908 0.800 0.801 0.802 0.801 0.802 0.801 0.907 0.909 0.999 9.999	T 1103 -22	ON . 904  INCD 66.9  66.7  66.9  66.7  66.8  66.1  66.2  66.0  68.6  66.6  68.4  66.6  65.4  65.6  65.4	19: PHAZ 42-4 47-8 42-4 47-8 42-53-2 47-9 53-2 53-2 38-2 43-3 38-2 38-3 38-3 53-8 53-8 53-8 53-8 53-8 53-8	89.387 EMIS 24.55 20.62 22.55 20.62 22.33.63 22.58 22.58 22.58 23.63 24.53 24.53 24.53 24.53 24.53 24.53 24.53 24.53 24.53 24.55 24.55 25.88 26.88 27.88 27.88 27.88 27.88 27.88 28.88	V 2.473 ALPHA 24.8 18.2 24.7 23.6 9 10.6 6 112.3 30.4 231.0 29.5 6 20.6 5 20.6 6 14.5 26.6 6 4.5 6 4.5	PTH -66.325 1  SCALE 0. 30.15327 38.38406 25.88033 27.64263 27.82605 29.80443 29.65916 27.71611 26.02238 32.13201 23.86048 25.27598 26.94952 28.95381 23.73183 28.96953 28.96381 23.73183 28.96953 28.96381 23.73183 28.96868417 28.79594	AZ 15.347 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-15 16-17 17-18 18-19 19-20 21-22 22-23 23-24 25-26

			RA-VII	CAMEKA	FA						90
JULY 31,1964 13 HR	24 MIN 3 S	SEC 903 MS	T	AB NO	179	ATLA	S PHOTO N	10 1	79	POD SE	QUENCE NO 364
	24 1111 3 3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SEC TO !	HOACT	ALT	LAT	LON		R	٧	PTH AZ
TRAJECTORY DATA			104.6		242.32491				1977.780	2.479	-66.236 115.324
PHOTO DATA PT LAT LON	RANGE	AZS/C AZI	I AZSUN	AZA	A.		AZPHAZ I	NCD I	PHAZ EMIS	AL PHA	SCALE PT-PT
1 -10.679 -20.482	268.46227	-36.4 6.3	-83.8	45.4	12.62380		-93.6 6 -90.1 6	7.7	42.4 27.3 47.6 24.5	24.7 18.3	0. 0- 1 28.64283 1- 2
2 -11.182 -21.298 3 -10.384 -22.225	262.96795 250.38878	-46.6 6.6 -47.6 4.3		43.4	11.79240		-85.5 6	6.0	53.2 15.6	12.4	36.66034 2- 3
4 -10.341 -21.396	256.67245	-58.7 6.2	-61.0	41.5	12.13953	0.940	-85.1 6	6.8	47.8 20.6	18.6	24.71779 3- 4 26.39892 4- 5
5 -10.294 -20.512	266.13202	-65.5 7.6 -54.7 8.2		39.7 41.6	12.52286	0.906			42.5 26.2 42.2 29.4	24.9 24.6	26.57173 5- 6
6 -11.162 -20.380 7 -12.090 -20.232	272.97232 283.34265	-46.1 8.		43.5	13.34441	0.841	-95.6 6	8.1	42.5 33.6	23.2	28.45097 6- 7
8 -12.079 -21.188	272.60876	-37.9 7.		45.3	12.89318				47.9 29.3 53.2 25.8	16.9 10.7	28.32086 7- 8 26.37067 8- 9
9 -12-072 -22-078	265.39251 256.30125	-27.4 5.1 -35.1 5.1		47.1	12.48807				53.0 20.3	12.0	26.45637 9-10
10 -11.202 -22.155 11 -10.384 -22.225	250.38878	-47.6 4.	7 -81.1	43.3	11.79240	0.972	-85.5 6	6.0	53.2 15.6	12.4	24.84638 10-11 30.68621 11-12
12 -9.767 -23.041	244.21056	-46.5 3.0		43.4	10.95964		-82.1 6 -81.5 6	5-1 5-8	58.9 7.6 53.7 12.6	6.1 12.1	22.78372 12-13
13 -9.709 -22.280 14 -9.647 -21.474	247.56172	-64.8 4. -72.6 5.		39.9	11.85402		-80 B 6	6.6	48.4 18.4	18.2	24.13886 13-14
15 -9.581 -20.615	262.72832	-76.8 7.	2 -79.3	38.1	12.21367		-79.9 6	7.5	43.1 24.4	24.3 30.4	25.73535 14-15 27.64013 15-16
16 -9.508 -19.693	275.23862	-79.4 8. -70.6 9.		36.3	12.61332				38.0 30.4 37.2 32.0	31.2	22.66274 16-17
17 -10.244 -19.560 18 -11.142 -19.389	279.15677 286.74552	-60.5 9.		39.9	13.37631		-90-1 6	8.8	36.8 34.8	31.0	27.66118 17-18
19 -12.105 -19.196	298.07999	-52.4 10.		41.8	13.85273				37.2 38.4 38.2 42.6	29.4 26.5	29.73201 18-19 32.28004 19-20
20 -13.148 -18.973 21 -13.091 -20.063	313.69816	-45.8 11.		43.7 45.4	14.39207	0.762	-101.0	58.3	43.3 38.3		32.20035 20-21
22 -13.044 -21.064	286.00552	-31.6 7.	8 -86.2	47.2	13.33546	0.839	-100.0	67.4	48.6 34.5	14.6	29.56388 21-22 27.42155 22-23
23 -13.005 -21.992	278.03169	-22.3 5.		49.0 50.8	12.89357 12.49501		-99.3 6 -98.6	56.5	53.8 31.5 59.0 29.6	8.6 2.7	25.64972 23-24
24 -12.973 -22.861 25 -12.067 -22.914	273.30829	-11.5 3. -14.4 3.		48.9	12.12092		-94.4	65.5	58.5 23.5	4.6	27.46764 24-25
26 -11.221 -22.962	252.58224	-19.2 3.	3 -82.6	47.0	11.78315	0.971	-90.1	65.3	58.4 17.5	5.8	25.66526 <b>25-</b> 26 24.15196 26-27
27 -10.425 -23.006	246.92274	-28.5 3.		43.6 43.4	11.46768				58.5 11.8 58.9 7.6	6.3 6.1	19.95957 27-28
28 -9.767 -23.041	244.21056	-46.5 3.									
JULY 31,1964 13 HR	24 MIN 9	SEC 23 MS	1	TAB NO	180	ATL	AS PHOTO	NO	180	POD S	EQUENCE NO 366
TRAJECTORY DATA			SEC TO	IMPACT	ALT	LA			R	٧	PTH AZ
				776	230.6982	9.	230 -23.	633	1966.15	4 2.485	-66.146 115.300
PHOTO DATA PT LAT LON	RANGE	AZS/C AZ	N AZSUN	AZA	A+	8/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE PT-PT
	255.61538	-36.5 6.	2 -83.9	45.3	12.02499			67.7	42.5 27.3	24.7	0. 0- 1 27.14329 1- 2
2 -11.158 -21.260		-46.7 6. -47.7 4.		43.3	11.90522			66.0	47.6 24.5 53.2 15.7	12.5	34.93093 2- 3
3 -10.399 -22.143 4 -10.357 -21.354		-58.7 6.		41.5	11.56419		-85.1	66.8	47.8 20.6	18.7	23.55146 3- 4
5 -10.313 -20.511	253.52801	-65.5 7.	7 -80.8	39.8	11.92976				42.5 26.2		25.15129 4- 5 25.31390 5- 6
6 -11.139 -20.386	260.04576 269.90213	-54.7 8. -46.2 8.		41.6 43.5	12.30049	0.841	-95.6	68.1	42.5 33.5	23.2	27.09416 6- 7
7 -12.023 -20.245 8 -12.013 -21.155	259.67371	-38.0 7.		45.2	12.28139	0.877	-95.1	67.2	47.9 29.2	17.0	26.97866 7- 8 25.12496 8- 9
9 -12.006 -22.003	252.77548	-27.6 5.		46.9	11.89436		-94.7 -90.1	66.3	53.2 25.8 53.0 20.4	10.8	25.12496 8- 9
10 -11.177 -22.077 11 -10.399 -22.143	244.13212 238.49748	-35.3 5. -47.7 4.		45.0	11.23237		-85.5	66.0	53.2 15.7	12.5	23.66728 10-11
12 -9.811 -22.921	232.56219	-46.7 3.	0 -80.0	43.3	10.43985			65.2	58.9 7.7	12.2	29.23597 11-12 21.70401 12-13
13 -9.756 -22.196	235.78999	-64.7 4. -72.5 5.		41.6	10.97923				53.7 12.7 48.4 18.4		22.99821 13-14
14 -9.697 -21.428 15 -9.633 -20.609	241.58710 250.26929	-72.5 5. -76.7 7.		38.2	11.63443	0.929	-79.9	67.5	43.1 24.4	24.3	24.51753 14-15
16 -9.563 -19.731	262.17409	-79.3 8.	6 -79.0	36.5	12.01458	0.892			38.0 30.4 37.2 31.9		26.32333 15-16 21.59038 16-17
17 -10.265 -19.604 18 -11.120 -19.442	265.92206 273.14873	-69.9 9. -60.5 9.		38.1	12.33631 12.74207	0.858			36.8 34.1	30.9	26.34909 17-18
18 -11.120 -19.442 19 -12.037 -19.258	283.91454	-52.5 10	7 -84.8	41.7	13.19444	0.802	-96.2	69.0	37.2 38.3	29.4	28.30891 18-19 30.70837 19-20
20 -13.030 -19.048	298.71846	-45.9 11.		43.6	13.70481				38.2 42.5 43.3 38.2		30.64550 20-21
21 -12.976 -20.084 22 -12.931 -21.037	283.52937 272.38749	-39.5 9. -31.8 7.			12.70046			67.4	48.6 34.4	14.6	28-15477 21-22
23 -12.894 -21.921	264.77158	-22.5 5	8 -85.9	48.7	12.27859				53.8 31.5		26.12121 22-23 24.43208 23-24
24 -12.863 -22.748	260.23277 248.80395		.8 -85.6 .5 -84.1	50.4 48.6	11.89718			65.6	59.0 29.5 58.5 23.5	4.3	26.13845 24-25
25 -12.002 -22.799 26 -11.196 -22.845	240.55036	-19.6 3	.3 -82.7	46.7	11.22187	0.970	-90.1	65.4	58.4 17.	5.9	24.43661 25-26 23.00184 26-27
27 -10.438 -22.887	235.15838		2 -81.2		10.92431		-85.8	65.3	58.5 11.5 58.9 7.	6.4	23.00184 26-27 19.00989 27-28
28 -9.811 -22.921	232.56219	-46./ 3	.0 -80.0	43.3	10.45705	. 4.772	-02.1	3742			

MA-AII CHWEKY LY	RA-VII CAMERA FA
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JULY 31,1964 13 HR	R 24 MIN 14	SEC 143	MS	٦	TAB NO	181	ATL	AS PHOT	0 NO	181	POD S	SEQUENCE NO 368
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LA	t i	LON	R	٧	PTH AZ
PHOTO DATA				94.	020	219.05190	-9.	294 -2	3.495	1954.50	7 2.491	-66-054 115-276
	RANGE	AZS/C	A7N	AZSUN	AZA	A=	8/4	47DU47	INCO			
1 -10.671 -20.500	242.74345	-36.7	6.2	-83-9	45.1	11.42455	0.899	#Q3.A	47 7	42 5 27 2	ALPHA	SCALE PT-P1 0. 0-1 25.65490 1-2 33.19570 2-3 22.38133 3-4 23.89968 4-5
2 -11.135 -21.222 3 -10.413 -22.062	238.01265	-46.8	6.6	-82.7	43.2	11.31139	0.910	-90.1	67.0	42.3 21.2	10.6	0. 0- 1
3 -10.413 -22.062	226.57534	-47.8	4.7	-81.1	43.1	10.67088	0-971	-85.5	66.1	53 2 15 7	12.5	22.65490 1- 2
410.37321.311	232,30931	-58.7	6.2	-81.0	41.5	10.98723	0.940	-85.1	66.9	47.8 20.7	10.7	22 20122 2
5 -10.373 -21.311 5 -10.331 -20.510	240.88738	-65.4	7.7	-80.8	39.8	11.33494	0.905	-84-6	67.6	42.5 26.2	24.9	23 99040 4- 6
6 -ll.117 -20.391	247.08143	~54.7	8.2	-82.7	41.6	11.68727	0.875	-90-1	67.8	42.2 29.4 42.5 33.5	24.6	24.05208 5- 6
7 -11.956 -20.258	256.42456	-46-2	8.9	-84.6	43.4	12.07666	0.842	-95.6	68.0	42.5 33.5	23.2	25.73451 6- 7
8 -11.946 -21.123	246.70360	-38.1	7.1		45.0	11.00140	0.877	-95.1	67.2	47.9 29.2	17.0	25-63256 7-6
9 -11.940 -21.928	240.12696	-27.8	5.4		46.6	11.29917	0.909	-94.7	66.4	52 2 25 0	100	23.87526 8- 9
10 -11.153 -21.998	231.93105	-35.5	5.0	-82.7	44.9	10.97069	0.941	-90.1	66.3	53-0 20-4	12.1	23.02983 0-10
11 -10.413 -22.062	226.57534	-47.8	4.7	-81.1	43.1	10.67088	0.971	-85.5	66.1	53.2 15.7	12.5	22.48490 10-11
12 -9.855 -22.801	220.88884	-47.0	3.1	-80.0	43.2	9.91868	0,977	-82.1	65.3	53.2 15.7 58.9 7.8	6.4	27.78138 11-12
13 -9.802 -22.112	223.98924	-64.6	4.5	-79.8	41.6	10.42973	0.995	-81.5	66.0	53.7 12.8	12.3	20-62130 12-13
14 -9.746 -21.382	229.51918	-72.3	5.9	-79.6	40.0	10.72737	0.964	-80.8	66.7	48.4 18.5	18.3	21 85401 13-14
15 -9.685 -20.604	237.77578	-76.5	7.2	-79.3	38.3		0.929	-79 <b>.9</b>	67.5	43.1 24.4	24.3	23,29603 14-15
16 -9.619 -19.770	249.07442	-79.1	8.6	-78,9	36.7	11.41423	0.892	-78.9	68.3	38.0 30.3	30.3	25 00229 15-14
17 -10.286 -19.649	252.65008	-69.9	9.1	-80.6	38.2	11.72061	0.868	-84.1	68.5	37.2 31.9	31.1	20-51475 14-17
18 -11.098 -19.495 19 -11.969 -19.321	259.51376	-60.4	9.8	-78.9 -80.6 -82.7	39.9	12.10604	0.837	-90.1	68.7	36.8 34.7	30.9	25-03327 17-16
20 -12 012 -10 122	209.71240	-52.5	10.0	~04+0	41.1	12.53444	0.803	-96.2	69.0	37.2 38.2	29.3	26.88321 18-19
21 -12-912 -19-122	203.70728	-45.9	11.6	-87.0	43.5	13.01611	0.766	-102.1	69.2	38.2 42.3	26.4	29.13657 19-20
22 -12-818 -21.011	259 72727	-31.0	9.6			16-21124	0.805	-101.0	68.3	43.3 38.1	20.6	29-08907 20-21
20 -12.912 -19.122 21 -12.801 -20.106 22 -12.818 -21.011 23 -12.783 -21.850	250 13121	-31.9		-86.3		12.06396	0.841	-100-0	D ( - *	90-0	1 / 7	26.74238 21-22
24 -12.753 -22.635	247 12211	-12.0	2.0	-86.0	48.4	11.66228	0.873	-99.2	66.6	53.8 31.4	8.8	24.81721 22-23
25 -11.935 -22.684	236.31576	-15.0	3.6	-86.0 -85.7 -84.2	20.0	11.29826	0.902	-98.6	65.8	59.0 29.4	3.0	23.21124 23-24
26 -11.170 -22.728		-20.0	3.6	-82.7	40.3	10.96342	0.938	-94.3	65.7	58.5 23.5	4.9	24.80847 24-25
27 -10.450 -22.768	223.36745	-29 3	3 2	-81.3	40.5	10.03930	0.910	-90 · L	65.5	58.4 17.6	6.0	23.20572 25-26
289.855 -22.801	220.88884	-47.0	3.1	-80.0	43.2	0 01049	0.077	-85.8	65.4	58.5 12.0 58.9 7.8	6.5	21.84907 26-27 18.05799 27-28
JULY 31,1964 13 HR	24 MIN 19	SEC 263	MS	7	AB NO	182	ATL	AS PHOT	O NO	182	POD S	SEQUENCE NO 370
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LA	, L	.ON	R	٧	PTH AZ
				89.	22(	207.38576	2,	35923	. 355	1942.84	1 2.497	-65.962 115.252
PT LAT LON	RANGE	A75/C	AZN	AZSUN	AZA	A-	0.44					
1 -10.667 -20.509	229.84639	-36.8		-83.9	44 A	10 03350	0 000	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE PT-PT
2 -11.111 -21.185	225.48198	-46-8		-82.7	43.0	10.02250	0.899	-93.6	67.7	42.6 27.1	24.6	0. 0-1
3 -10.427 -21.980	214.62222	-47-9		-81.1	43.0	10 10703	0.910	-90.1	67.0	47.0 24.5	18.4	24.18326 1- 2
4 -10.390 -21.269	220.07576		6.2	-81.0	41.5	10.40863	0.911	-05.5	66.2	17.0 20.7	12.6	31.45484 2- 3
5 -10.350 -20.510	228.20908	~65.4		-80.8	39.9	10.73836	0.970	-84 4	47 4	47.6 20.7	18. (	21.20723_3-6
6 -11.094 -20.397	234.07900	-54.7	8.2	-82.7	41.6	11.07224	0.875	-90 1	47 0	42.3 20.2	24.9	22-64391 4-5
7 -11 900 20 271	242.91051	-46.3	8.9	-84.6	43.3	11.44020	0.842	-95.4	68 0	42 5 33 4	24.0	26.18002 5- 6
· -11.009 -20.271	233.69950	-38.3		-84.5	44.9	11-05291	0 077	-95-1	67.2	47.0 20 2	17.1	27.3/212 6- /
7 -11.869 -20.271 8 -11.880 -21.090			e - 7							67.6		
8 -11.880 -21.090 9 -11.873 -21.854	227.44833	-28.0	2.4	-84.4	40.4	10.70257	0.909	-94.7	66.5	53.2 25 7	11.0	24.28245 7-8
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920	227.44833	-35.7	5.0	-84.4 -82.7	44.7	10.70257	0.909	-94.7 -90.1	66.5	53.2 25.7	11.0	24.28245 7-8 22.62161 8-9
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980	227.44833 219.69869 214.62222	-35.7 -47.9	5.0	-82.7	44.7 43.0	10.70257 10.39209 10.10793	0.909 0.941 0.971	-94.7 -90.1	66.5	53.2 25.7 53.0 20.4 53.2 15.0	11.0	24.28245 7-8 22.62161 8-9 22.66138 9-10
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681	227.44833 219.69869 214.62222 209.19026	-35.7 -47.9 -47.2	5.0 4.7	-82.7 -81.1	44.7 43.0 43.2	10.70257 10.39209 10.10793 9.39614	0.909 0.941 0.971	-94.7 -90.1 -85.5 -82.1	66.5 66.2 65.5	53.2 25.7 53.0 20.4 53.2 15.8 58.9 8.0	11.0 12.2 12.6	
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028	227.44833 219.69869 214.62222 209.19026 212.15876	-35.7 -47.9 -47.2	5.0 4.7 3.1 4.5	-82.7 -81.1 -80.0	43.2	9.39614	0.977	-82.1	65.5	58.9 8.0	6.5	26.32238 11-12
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 14 -9.795 -21.337	227.44833 219.69869 214.6222 209.19026 212.15876 217.41780	-35.7 -47.9 -47.2 -64.5 -72.2	5.0 4.7 3.1 4.5 5.9	-82.7 -81.1 -80.0 -79.8 -79.5	43.2 41.6 40.0	9.39614 9.87883	0.977	-82.1	65.5	58.9 8.0	6.5	26.32238 11-12 19.53549 12-13
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.081 13 -9.849 -22.028 14 -9.795 -21.337 15 -9.377 -20.600	227.44833 219.69869 214.62222 209.19026 212.15876 217.41780 225.24611	-35.7 -47.9 -47.2 -64.5 -72.2	5.0 4.7 3.1 4.5 5.9	-82.7 -81.1 -80.0 -79.8 -79.5	43.2 41.6 40.0 38.4	9.87883 10.16173	0.977 0.995 0.963	-82.1 -81.5 -80.8	65.5 66.1 66.8	58.9 8.0 53.7 12.9 48.4 18.5	6.5 12.3 18.3	26.32238 11-12 19.53549 12-13 20.70605 13-14
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 14 -9.795 -21.337 15 -9.737 -20.600 16 -9.675 -19.809	227.44833 219.69869 214.62222 209.19026 212.15876 217.41780 225.24611 235.93723	-35.7 -47.9 -47.2 -64.5 -72.2 -76.4 -79.0	5.0 4.7 3.1 4.5 5.9 7.3 8.6	-82.7 -81.1 -80.0 -79.8 -79.5 -79.3 -78.9	43.2 41.6 40.0 38.4	9.87883 10.16173	0.977 0.995 0.963	-82.1 -81.5 -80.8	65.5 66.1 66.8	58.9 8.0 53.7 12.9 48.4 18.5	6.5 12.3 18.3	26.32238 11-12 19.53549 12-13 20.70605 13-14 22.07051 14-15
8 -11.880 -21.099 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 4 -9.795 -21.337 15 -9.737 -20.600 16 -9.675 -19.809 17 -10.307 -19.695	227.44833 219.69869 214.6222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910	-35.7 -47.9 -47.2 -64.5 -72.2 -76.4 -79.0	5.0 4.7 3.1 4.5 5.9 7.3 8.6 9.1	-82.7 -81.1 -80.0 -79.8 -79.5 -79.3 -78.9 -80.6	43.2 41.6 40.0 38.4	9.87883 10.16173	0.977 0.995 0.963	-82.1 -81.5 -80.8	65.5 66.1 66.8	58.9 8.0 53.7 12.9 48.4 18.5	6.5 12.3 18.3	26.32238 11-12 19.53549 12-13 20.70605 13-14 22.07051 14-15 23.67985 15-16
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.081 13 -9.849 -22.028 14 -9.735 -21.337 15 -9.737 -20.600 16 -9.675 -19.609 17 -10.307 -19.695 18 -11.076 -19.549	227.44833 219.69869 214.62222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910 245.83973	-35.7 -47.9 -47.2 -64.5 -72.2 -76.4 -79.0 -69.8 -60.4	5.0 4.7 3.1 4.5 5.9 7.3 8.6 9.1 9.8	-82.7 -81.1 -80.0 -79.8 -79.5 -79.3 -78.9 -80.6 -82.6	43.2 41.6 40.0 38.4	9.87883 10.16173	0.977 0.995 0.963	-82.1 -81.5 -80.8	65.5 66.1 66.8	58.9 8.0 53.7 12.9 48.4 18.5	6.5 12.3 18.3	26.32238 11-12 19.53549 12-13 20.70605 13-14 22.07051 14-15 23.67985 15-16 19.43582 16-17
8 -11.880 -21.099 9 -11.673 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 14 -9.795 -21.337 15 -9.737 -20.600 16 -9.675 -19.809 17 -10.307 -19.695 18 -11.076 -19.549 19 -11.901 -19.385	227.44833 219.69869 214.6222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910 245.83973 255.47361	-35.7 -47.9 -47.2 -64.5 -72.2 -76.4 -79.0 -69.8 -60.4	5.0 4.7 3.1 4.5 5.9 7.3 8.6 9.1	-82.7 -81.1 -80.0 -79.8 -79.5 -79.3 -78.9 -80.6 -82.6	43.2 41.6 40.0 38.4 36.9 38.3 40.0	9.39614 9.87883 10.16173 10.47107 10.81216 11.10311 11.46818	0.977 0.995 0.963 0.929 0.892 0.868 0.838	-82.1 -81.5 -80.8 -79.9 -78.9 -84.1 -90.1	65.5 66.1 66.8 67.5 68.3 68.4 68.6	58.9 8.0 53.7 12.9 48.4 18.5 43.1 24.4 38.0 30.3 37.2 31.9 36.8 34.6	6.5 12.3 18.3 24.3 30.3 31.1 30.8	26.32238 11-12 19.53549 12-13 20.70605 13-14 22.07051 14-15 23.67985 15-16 19.43582 16-17 23.71392 17-18
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 14 -9.775 -21.337 15 -9.737 -20.600 17 -10.307 -19.695 18 -11.076 -19.549 19 -11.901 -19.385 20 -12.793 -19.199	227.44833 219.69869 214.62222 209.19026 217.41780 225.24611 235.93723 239.33910 245.83973 255.47361 268.66587	-35.7 -47.9 -47.2 -64.5 -72.2 -76.4 -79.0 -69.8 -60.4	5.0 4.7 3.1 4.5 5.9 7.3 8.6 9.1	-82.7 -81.1 -80.0 -79.8 -79.5 -79.3 -78.9 -80.6 -82.6	43.2 41.6 40.0 38.4 36.9 38.3 40.0	9.39614 9.87883 10.16173 10.47107 10.81216 11.10311 11.46818 11.87274 12.32603	0.977 0.995 0.963 0.929 0.892 0.868 0.838 0.804	-82.1 -81.5 -80.8 -79.9 -78.9 -84.1 -90.1 -96.2	65.5 66.1 66.8 67.5 68.3 68.4 68.6 68.9	58.9 8.0 53.7 12.9 48.4 18.5 43.1 24.4 38.0 30.3 37.2 31.9 36.8 34.6 37.2 38.1 38.2 42.2	6.5 12.3 18.3 24.3 30.3 31.1 30.8 29.3 26.3	26.32238 11-12 19.53549 12-13 20.70605 13-14 22.07051 14-15 23.67985 15-16 19-43582 16-17 23.71392 17-18 25.45513 18-19
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.028 13 -9.849 -22.028 14 -9.795 -21.337 15 -9.737 -20.600 16 -9.675 -19.809 17 -10.307 -19.695 18 -11.076 -19.549 19 -11.901 -19.385 20 -12.793 -19.198 21 -12.745 -20.129	227.44833 219.69869 214.6222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910 245.83973 255.47361 268.66587	-35.7 -47.9 -47.2 -64.5 -72.2 -76.4 -79.0 -69.8 -60.4	5.0 4.7 3.1 4.5 5.9 7.3 8.6 9.1	-82.7 -81.1 -80.0 -79.8 -79.5 -79.3 -78.9 -80.6 -82.6	43.2 41.6 40.0 38.4 36.9 38.3 40.0	9.39614 9.87883 10.16173 10.47107 10.81216 11.10311 11.46818 11.87274 12.32603 11.84980	0.977 0.995 0.963 0.929 0.892 0.868 0.838 0.804 0.767	-82.1 -81.5 -80.8 -79.9 -78.9 -84.1 -90.1 -96.2 -102.1	65.5 66.1 66.8 67.5 68.3 68.4 68.6 68.9 69.2	58.9 8.0 53.7 12.9 48.4 18.5 43.1 24.4 38.0 30.3 37.2 31.9 36.8 34.6 37.2 38.1 38.2 42.2 43.3 38.0	6.5 12.3 18.3 24.3 30.3 31.1 30.8 29.3 26.3	26.32238 11-12 19.53549 12-13 20.70605 13-14 22.07051 14-15 23.67985 15-16 19.43582 16-17 23.71392 17-18 25.45513 18-19 27.56519 19-20
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 14 -9.795 -21.337 15 -9.737 -20.600 16 -9.675 -19.809 17 -10.307 -19.695 18 -11.076 -19.549 19 -11.901 -19.385 20 -12.793 -19.198 21 -12.745 -20.129	227.44833 219.69869 214.62222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910 245.83973 255.47361 268.66587 255.07392	-35.7 -47.9 -47.2 -64.5 -72.2 -76.4 -79.0 -69.8 -60.4	5.0 4.7 3.1 4.5 5.9 7.3 8.6 9.1	-82.7 -81.1 -80.0 -79.8 -79.5 -79.3 -78.9 -80.6 -82.6	43.2 41.6 40.0 38.4 36.9 38.3 40.0	9.39614 9.87883 10.16173 10.47107 10.81216 11.10311 11.46818 11.87274 12.32603 11.84980 11.42606	0.977 0.995 0.963 0.929 0.892 0.868 0.838 0.804 0.767 0.806	-82.1 -81.5 -80.8 -79.9 -78.9 -84.1 -96.2 -102.1 -101.0	65.5 66.1 66.8 67.5 68.3 68.4 68.6 68.9 69.2 68.2	58.9 8.0 53.7 12.9 48.4 18.5 43.1 24.4 38.0 30.3 37.2 31.9 36.8 34.6 37.2 38.1 38.2 42.2 43.3 38.0 48.6 34.3	6.5 12.3 18.3 24.3 30.3 31.1 30.8 29.3 26.3 20.6	26.32238 11-12 19.53549 12-13 20.70605 13-14 22.07051 14-15 23.67985 15-16 19.43582 16-17 23.71392 17-18 25.45513 18-19 27.56519 19-20 27.53100 20-21
8 -11.880 -21.090 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 14 -9.735 -21.337 15 -9.737 -20.600 16 -9.675 -19.609 17 -10.307 -19.695 18 -11.076 -19.549 19 -11.901 -19.385 20 -12.793 -19.198 21 -12.745 -20.129 22 -12.705 -20.985 23 -12.671 -21.780	227.44833 219.69869 214.62222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910 245.83973 255.47361 268.66587 255.07392 245.05698	-35.7 -47.9 -47.9 -64.5 -72.2 -76.4 -79.0 -69.8 -60.4 -52.5 -46.0 -39.7 -32.1	5.0 4.7 3.1 4.5 5.9 7.3 8.6 9.1 10.6 11.5 9.6 7.7 5.7	-82.7 -81.1 -80.0 -79.8 -79.5 -79.3 -78.9 -80.6 -82.6 -84.8 -87.0 -86.6 -86.3 -86.0	43.2 41.6 40.0 38.4 36.9 38.3 40.0 41.7 43.4 45.0 46.6 48.1	9.39614 9.87883 10.16173 10.47107 10.81216 11.10311 11.46818 11.87274 12.32603 11.84980 11.42606 11.04475	0.977 0.995 0.963 0.929 0.892 0.868 0.838 0.804 0.767 0.806	-82.1 -81.5 -80.8 -79.9 -78.9 -84.1 -90.1 -96.2 -102.1 -101.0 -100.0	65.5 66.1 66.8 67.5 68.3 68.4 68.6 68.9 69.2 68.2 67.4	58.9 8.0 53.7 12.9 48.4 18.5 43.1 24.4 38.0 30.3 37.2 31.9 36.8 34.6 37.2 38.1 38.2 42.2 43.3 38.0 48.6 34.3 53.8 31.3	6.5 12.3 18.3 24.3 30.3 31.1 30.8 29.3 26.3 20.6 14.7	26.32238 11-12 19.53549 12-13 20.70605 13-14-15 23.67985 55-16 19.43582 16-17 23.71392 17-18 25.45513 18-19 27.56519 19-20 27.53100 20-21 25.32668 21-22
8 -11.880 -21.099 9 -11.673 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 14 -9.795 -21.337 15 -9.737 -20.600 16 -9.675 -19.809 17 -10.307 -19.695 18 -11.076 -19.549 19 -11.901 -19.385 20 -12.793 -19.198 21 -12.745 -20.129 22 -12.705 -20.985 23 -12.671 -21.780	227.44833 219.69869 214.6222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910 245.83973 255.47361 268.66587 255.07392 245.05698 238.16718 234.01208	-35.7 -47.9 -47.2 -64.5 -72.2 -76.4 -79.0 -69.8 -60.4 -52.5 -39.7 -32.1	5.0 4.7 3.1 4.5 7.3 8.6 9.1 9.8 10.6 11.5 7.7 3.8	-82.7 -81.1 -79.8 -79.5 -79.3 -78.9 -80.6 -82.6 -84.8 -86.6 -86.3 -86.0	43.2 41.6 40.0 38.4 38.3 40.0 41.7 43.4 45.0 46.6 48.1	9.39614 9.87883 10.16173 10.47107 10.81216 11.10311 11.46818 11.87274 12.32603 11.84980 11.42606 11.04475	0.977 0.995 0.963 0.929 0.892 0.868 0.838 0.804 0.767 0.806 0.841	-82.1 -81.5 -80.8 -79.9 -78.9 -84.1 -90.1 -96.2 -102.1 -101.0 -100.0	65.5 66.1 66.8 67.5 68.3 68.4 68.6 68.9 69.2 67.4 65.9	58.9 8.0 53.7 12.9 48.4 18.5 43.1 24.4 38.0 30.3 37.2 31.9 36.8 34.6 37.2 38.1 38.2 42.2 43.3 38.0 48.6 34.3 53.8 31.3	6.5 12.3 18.3 24.3 30.8 29.3 26.3 20.6 14.7	26.32238 11-12 19.53549 12-13 20.70605 13-14 20.70605 13-14 23.67985 15-16 19.43582 16-17 23.71392 17-18 25.45513 18-19 27.56519 19-20 27.55619 20-21 25.32668 21-22 23.50966 22-23
8 -11.880 -21.099 9 -11.873 -21.854 10 -11.128 -21.920 11 -10.427 -21.980 12 -9.899 -22.681 13 -9.849 -22.028 14 -9.795 -21.337 15 -9.737 -20.600 17 -10.307 -19.695 18 -11.076 -19.549 19 -11.901 -19.385 20 -12.793 -19.198 21 -12.745 -20.129 22 -12.705 -20.985 23 -12.671 -21.780 24 -12.643 -22.523 5 -11.869 -22.559	227.44833 219.69869 214.62222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910 245.83973 255.47361 268.66587 255.07392 245.05698 238.16718 234.01208 223.80251	-35.7 -47.9 -47.9 -64.5 -72.2 -76.4 -79.0 -69.8 -60.4 -52.5 -46.0 -39.7 -32.1 -22.9 -12.3 -15.3	5.0 4.7 3.1 4.5 7.3 8.6 9.1 9.8 10.6 11.5 7.7 3.8	-82.7 -81.1 -79.8 -79.5 -79.3 -78.9 -80.6 -82.6 -84.8 -86.6 -86.3 -86.0	43.2 41.6 40.0 38.4 38.3 40.0 41.7 43.4 45.0 46.6 48.1	9.39614 9.87883 10.16173 10.47107 10.81216 11.10311 11.46818 11.87274 12.32603 11.84980 11.42606 11.04475	0.977 0.995 0.963 0.929 0.892 0.868 0.838 0.804 0.767 0.806 0.841	-82.1 -81.5 -80.8 -79.9 -78.9 -84.1 -90.1 -96.2 -102.1 -101.0 -100.0	65.5 66.1 66.8 67.5 68.3 68.4 68.6 68.9 69.2 67.4 65.9	58.9 8.0 53.7 12.9 48.4 18.5 43.1 24.4 38.0 30.3 37.2 31.9 36.8 34.6 37.2 38.1 38.2 42.2 43.3 38.0 48.6 34.3 53.8 31.3	6.5 12.3 18.3 24.3 30.8 29.3 26.3 20.6 14.7	SCALE 0-PT-PT 0-1 24.18326 1-2 21.45584 2-3 21.20723 3-4-5 22.64391 4-5 22.6437212 6-7 24.28245 7-8 22.62161 8-9 22.66138 9-10 21.29958 10-11 26.32238 11-12 13.53549 12-13 20.70605 13-14 22.07051 14-15 23.67985 15-16 19.43582 16-17 23.71392 17-18 25.45513 18-19 27.56519 19-20 27.53100 20-21 25.32668 21-22 23.50966 22-23 21.98736 23-24 23.47823 24-25
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8 -11.880 -21.090	227.44833 219.69869 214.6222 209.19026 212.15876 217.41780 225.24611 235.93723 239.33910 245.83973 255.47361 268.66587 255.07392 245.05698 238.16718 234.01208 23.80251 216.40525 211.55020	-35.7 -47.2 -64.5 -72.2 -76.0 -69.8 -60.4 -52.5 -46.0 -39.7 -32.1 -21.3 -15.3 -20.7	5.0 4.7 3.1 5.9 7.3 8.6 9.8 10.6 7.7 3.8 3.6 3.4	-82.7 -81.1 -79.8 -79.3 -78.9 -82.6 -84.8 -87.0 -86.3 -86.3 -85.8 -84.3	43.6 40.0 38.4 36.9 38.3 40.0 41.7 43.4 45.0 46.6 48.1 49.7 48.0	9-37614 9-87883 10-16173 10-47107 10-81216 11-10311 11-46818 11-87274 12-32603 11-84980 11-04475 10-69837 10-38288 10-09550 9-83159	0.977 0.995 0.929 0.892 0.892 0.888 0.804 0.767 0.806 0.841 0.938 0.938	-82.1 -81.5 -80.8 -79.9 -78.9 -84.1 -96.2 -102.1 -101.0 -100.0 -99.2 -98.6 -94.3 -90.1	65.5 66.8 67.5 68.4 68.6 68.9 69.2 68.2 66.6 65.9 65.8	58.9 8.0 58.7 12.9 48.4 18.5 43.1 24.4 38.0 30.3 37.2 31.9 36.8 34.6 37.2 38.1 38.2 42.2 43.3 38.0 53.8 31.3 59.0 29.3 58.5 23.4 58.6 17.6	6.5 12.3 18.3 24.3 30.3 31.1 30.8 26.3 20.6 14.7 8.9 3.1	26.32238 11-12 19.53549 12-13 20.70605 13-14 22.07051 14-15 23.67985 15-16 19.43582 16-17 23.71392 17-18 25.45513 18-19 27.56519 19-20 27.55100 20-21 25.32668 21-22 23.50966 22-23 21.98736 23-24 23.47823 24-25

					RA-VII	CAMERA	FA								92
JULY 31,1964	13 HR	24 HIN 24 :	SEC 383	MS	Т	AB NO	183	ATLAS	РНОТО	NO :	183		POD SI	EQUENCE NO	372
TRAJECTORY I	DATA				SEC TO		ALT 195.69992	LAT	L(		1021	R 155	. 503	PTH -65.869 11	AZ 5.227
PHOTO DATA					84.	417	143.0444								
DT IAT	LON	RANGE	AZS/C		AZSUN	AZA	A+		ZPHAZ						PT-PT 0- 1
1 -10.663 -2	20.517	216.92419	-37.0	6.2	-84.0 -82.7	44.8	10.21877		-93.6 -90.1		47.6			0. 22.72199	
3 -10-441 -	21-899	202.63751	-48.0	4.7	-81.1		9.54349		-85.5		53.2	15.9	12.7	29.70819	2-3
4 -10.406 -	21.228	207.80731	-58.7	6.2	-81.0	41.5	9.82838		-85.1		47.8		18.8	20.02928	_34
5 -10.368 -			-65.3	7.7	-80.8		10.14002		-84.6 -90.1		42.5		24.9 24.6	21.38416 21.51755	5-6
6 -11.070 7 -11.821		221.03814	-54.8 -46.4	8.2	-82.7 -84.6		10.45540		-95.6		42.2		23.2	23.00658	6- 7
8 -11 -812 -	21.058	220.65938	-38.4	7.1	-84.5	44.7	10.43616	0.877	-95.1	67.2	47.9	29.2	17.1	22.92841	7- 8
9 -11.806 -	21.779	214.73711	-28.2	5.4	-84.4	46.2	10.10443		-94.7		53.2		11.1	21.36393	9-10
10 -11.103	21.842	207.43351	-35.9 -48.0	5.0 4.7	-82.8 -81.1	44.6	9.81193 9.54349		-90.1 -85.5		53.0 2 53.2	15.9	12.3	20.11106	10-11
11 -10 -441 - 12 -9 -942 -	21.899	197.46600	-47.5	3.1	-80.0		8.87217		-82.1		58.9		6.6	24.85879	11-12
13 -9.895 -		200.29862	-64.4	4.5	-79.8	41.6	9.32657	0.994	-81.5	66.2	53.7	13.0	12-4	18.44663	
14 -9.844 -	21.292	205.28364	-72.0	5.9	-79.5	40.1	9.59457		-80.8	66.8	48.4	18.6	18.4 24.3	19.55448	
15 -9.790 -	20.595	212.68153	-76.2 -78.9	7.3 8.7	-79.2 -78.9		9.88694		-79.9 -78.9	68.2	38.0	30.2		22.35323	15-16
16 -9.731 - 17 -10.327 -	19.741	225.99049	-69.7	9.2	-80.6		10.48386		-84.1	68.4	37.2	31.8	31.0	18.35370	16-17
18 -11.054 -	19.603	232.12705	-60.4	9.8	-82.6	40.0	10.82852	0.839	-90.1	68.6	36.9	34.5	30.8	22.39084	
19 -11.832 -	19.449	241.19748	-52.5	10.5	-84.8		11.20930	0.805	-96-2	68.8	37.2	38.0	26.2	24.02423 25.99361	
20 -12.673 -	19.274	253.59219 240.79593	-46.0 -39.8	9.5	-87.0 -86.6		11.18647	0.769	-102.1	68.2	43.3	37.9		25.97134	
21 -12.629 - 22 -12.591 -		231.34336	-32.2	7.6	-86.4		10.78661	0.842	-100.0	67.4	48.6	34.2	14.8	23.90768	21-22
	21.709	224.82160	-23.1	5.7	-86.1		10.42583	0.874	-99.2	66.7	53.8	31.3	9.0	22.19836	
24 -12.532 -	22.411	220.86552	-12.5	3.8	-85.9	49.3	10.09731		-98.6 -94.3	66.0	59.0	29.3	3.3 5.1	20.76018	
	22.455	211.26130 204.29107	-15.6 -20.7	3.6	-84.3 -82.8	47.7 46.1	9.80105 9.53038		-90.1				6.3	20.73810	
	22.532	199.70555	-30.1	3.2	-81.3	44.4	9.28114				58.5		6.7	19.53583	26-27
28 -9.942 -														16.14736	27-2A
	22 201	197.46600	-47.5	. 3.1	-80.0	43.1	8.87217	0.977	-82.1	65.0	20.7	8.1	6.6	10.14130	T, LD
107.2	22.001	197.40000	-47.5	. 3.1								8.1			
JULY 31,1964						TAB NO			-82.1 S PHOTO			8.1		EQUENCE NO	
-	13 HR			MS	SEC TO	TAB NO	184 ALT	ATLA:	S PHOTO	NO GN	184	R	POD S	EQUENCE NO	374 AZ
JULY 31,1964 TRAJECTORY	13 HR	24 MIN 29	SEC 503		SEC TO	TAB NO	184 ALT	ATLA LAT 7=9.4	S PHOTO	NO GN +070	184	R 9.449	POD S	PTH	374 AZ 5.201
JULY 31,1964 TRAJECTORY PHOTO DATA PT LAT	13 HR Data Lon	24 MIN 29	SEC 503	HS 	SEC TO 79.	TAB NO IMPACT	ALT .183.9937	ATLA: LAT 7=9.4 B/A	S PHOTO L 92 -23 AZPHAZ	NO GN 4070	184 _ 191 PHAZ	R 9.449 EM1S	POD S	PTH -65.174 LI	374 AZ 5.201 PT-PT
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659	13 HR DATA LON -20.525	24 MIN 29  RANGE 203.97622	SEC 503	HS  AZN 6.2	SEC TO 79. AZSUN -84.0	TAB NO IMPACT 297 AZA 44.6	ALT 183.9937 A* 9.61326	ATLA: LAT 7=9.4 B/A 0.899	S PHOTO 92 -23 AZPHAZ -93.6	NO ON .070 INCD 67.7	184 191 PHAZ 42.7	R 9.449 EM1S 27.0	POD S 2.509 ALPHA 24.5	PTH -65-174 LI SCALE	AZ 15.201 PT-PT 0- 1
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 - 2 -11.062 -	13 HR DATA LON -20.525	24 MIN 29  RANGE 203.97622 200.31012	AZS/C -37.1 -47.0	MS AZN 6.2	SEC TO 79. AZSUN -84.0 -82.7	TAB NO IMPACT .297 .297 .224 44.6 43.0	ALT 183.9937 A• 9.61326 9.51960	ATLA: LAT 79.4 B/A 0.899 0.910	S PHOTO L 92 -23 AZPHAZ	NO ON •070 INCD 67.7 67.1	184 _ 191 PHAZ	R 9.449 EM1S 27.0 24.6	POD S V 2.509 ALPHA 24.5 18.5	PTH -65.174 LJ SCALE 0. 21.27200 27.95537	AZ (5.201 PT-PT 0- 1 1- 2 2- 3
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 - 2 -11.062 - 3 -10.455 -	DATA  LON -20.525 -21.111 -21.818	24 MIN 29  RANGE 203.97622 200.31012 190.61985	AZS/C -37.1 -47.0	AZN 6.2 6.6 4.8	SEC TO 79. AZSUN -84.0 -82.7 -81.2	TAB NO IMPACT .297 .297 .224 44.6 43.0	ALT 183.9937 A• 9.61326 9.51960 8.97750 9.24640	ATLA: LAT 7 =9.4 8/A 0.899 0.910 0.970 0.939	S PHOTO 92 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1	NO 0N .070 INCD 67.7 67.1 66.4	184 191 PHAZ 42.7 47.6 53.2 47.8	R 9,449 EMIS 27.0 24.6 16.0 20.8	POD S V 2.509 ALPHA 24.5 18.5 12.8	PTH 65.174 1J SCALE 0. 21.27200 27.95537 18.84727	AZ 5.201 PT-PT 0- 1 1- 2 2- 3 3- 4
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 - 2 -11.062 - 3 -10.455 5 -10.386 - 5 -10.386 -	LON -20.525 -21.111 -21.818 -21.186 -20.512	RANGE 203.97622 200.31012 190.6198 195.50235 202.73927	AZS/C -37.1 -47.0 -48.1 -58.7 -65.3	AZN 6.2 6.6 4.8 6.3	SEC TO 79. AZSUN -84.0 -82.7 -81.2 -81.0	TAB NO  IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0	ALT 183.9937 A* 9.61326 9.51960 8.97750 9.24640 9.53986	ATLA: LAT 7 = 9.4 8/A 0.899 0.910 0.970 0.939	S PHOTO 92 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6	NO ON .070 INCD 67.7 67.1 66.4 .67.0	184 191 PHAZ 42.7 47.6 53.2 47.8 42.5	R 9,449 EM1S 27.0 24.6 16.0 20,8 26.2	POD S V 2.509 ALPHA 24.5 18.5 12.8 18.8 24.9	PTH -65.174 11 SCALE 0. 21.27200 27.95537 18.84727 20.12023	AZ (5,201 PT-PT 0-1 1-2 2-3 3-4 4-5
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.356 -6 -10.386 -6 -11.047 -6 -11.047 -6 -11.047 -1	LON -20.525 -21.111 -21.818 -21.186 -20.512 -20.512 -20.411	RANGE 203-97622 200-31012 190-61985 195-50235 202-77927 207-95683	AZS/C -37.1 -47.0 -48.1 -58.7 -65.3	AZN 6.2 6.6 4.8 6.3 7.7 8.2	SEC TO 79. AZSUN -84.0 -82.7 -81.2 -80.8 -82.7	TAB NO  IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 41.6	ALT 183.9937 Ae 9.61326 9.51960 8.97750 9.24640 9.53986	ATLA: LAT 79.4 8/A 0.899 0.910 0.970 0.939 0.905 0.876	S PHOTO 92 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1	NO ON .070 INCD 67.7 67.1 66.4 67.0 67.6	191 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5	R 9,449 EMIS 27.0 24.6 16.0 20.8 26.2 29.3	POD S V 2.509 ALPHA 24.5 18.5 12.8 24.9 24.6	PTH -65.774 1J SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434	AZ (5.201 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 - 2 -11.062 - 3 -10.455 - 5 -10.455 - 6 -10.476 - 7 -11.753	LON -20.525 -21.111 -21.818 -21.186 -20.512 -20.411 -20.300	24 MIN 29  RANGE 203.97622 200.31012 190.61985 202.73927 207.95683 215.76659	AZS/C -37.1 -47.0 -48.1 -58.7 -65.3 -54.8	AZN 6.2 6.6 4.8 6.3 7.7 8.2 8.8	SEC TO 79. AZSUN -84-0 -82-7 -81-2 -81-0 -80-8 -82-7 -84-6	TAB NO  IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 41.6 43.1	ALT 183.9937 Ae 9.61326 9.51960 8.97750 9.24640 9.53986 9.83664 10.16182	ATLA: LAT 7 -9.4 8/A 0.899 0.910 0.970 0.939 0.905 0.876 0.843	S PHOTO 92 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.6	NO ON +070 INCD 67-1 66-4 -67-0 67-6 67-6	184 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5	R 9,449 EMIS 27.0 24.6 16.0 20.8 26.2 29.3 33.3	POD S V 2.509 ALPHA 24.5 18.5 12.8 18.8 24.9 24.6 23.2	PTH -65.774 1J SCALE 0. 21.27200 27.95537 18.84727 20.1202 20.24434 21.63766 21.57015	AZ (5,201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.455 -6 -11.753 -6 -11.753 -8 -11.755 -8 -11.755 -8 -11.755 -8 -11.755 -8 -11.755 -8 -11.755 -8 -11.755 -8 -11.755 -8 -11.755 -8 -11.755 -	LON -20.525 -21.111 -21.818 -21.186 -20.512 -20.411 -20.300 -21.027	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95683 215.76659 207.58134	AZS/C -37.1 -47.0 -48.1 -58.7 -65.3 -54.6 -46.4	AZN 6.2 6.6 4.8 6.3 7.7 8.2	SEC TO 79. AZSUN -84.0 -82.7 -81.0 -80.8 -82.7 -84.5	TAB NO  IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 41.6 43.1 44.6	ALT 183.9937 Ae 9.61326 9.51960 9.24640 9.53986 9.83664 10.16182 9.81763 9.50669	ATLA: B/A 0.899 0.910 0.979 0.905 0.876 0.843 0.843 0.878	S PHOTO 92 -23 AZPHAZ -93.6 -90.1 -85.5 -84.6 -90.1 -95.6 -95.1	NO ON .070 INCD 67.7 67.1 66.4 67.0 67.6 67.8 68.0	184 191 PHAZ 42.7 47.6 53.2 47.8 42.5 42.2 42.5 47.9 53.3	R 9-449 EM1S 27.0 24.6 16.0 20-8 26.2 29.3 33.3 29.7	POD S V 2.509 ALPHA 24.5 18.5 12.8 24.9 24.6 23.2 17.1	PTH65.774 1J  SCALE 0. 21.27200 27.95537 20.12023 20.24434 21.63766 21.57015 20.10199	AZ (5.201 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.386 -11.047 -6 -11.753 -8 -11.745 -9 -11.739 -10 -11.077 -10 -11.077	LON -20.525 -21.111 -21.818 -20.512 -20.411 -20.300 -21.027 -21.705 -21.764	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95683 215.76659 207.58134 201.99167 195.13402	AZS/C -37-1 -47-0 -48-1 -58-7 -65-3 -54-8 -46-4 -38-5 -28-4	AZN 6.2 6.6 4.8 6.3 7.7 8.2 8.8 7.1 5.40	SEC TO 79.  AZSUN -84.0 -82.7 -81.2 -81.0 -80.8 -82.7 -84.6 -84.5 -84.5 -82.5	TAB NO  IMPACT  297  AZA  44.6  43.0  42.9  41.5  40.0  41.6  43.1  44.6  43.0  44.6	ALT 183-9937 A• 9.61326 9.51960 8.97750 9.24640 9.53986 9.83664 10.16182 9.81763 9.50469 9.23015	ATLA: LAT 7 -9.4 8/A 0.899 0.970 0.939 0.905 0.878 0.878 0.878 0.9941	S PHOTO  L 92 -23  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -95.6 -95.1 -94.7	NO ON -070 INCD 67.7 67.1 66.4 67.0 67.6 67.8 68.0 67.3 66.6	184 191 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5 42.5 47.9 53.3 53.0	R 9,449 EM1S 27.0 24.6 16.0 20.8 26.2 29.3 33.3 29.1 20.5	POD S V 2-509 ALPHA 24-5 18-5 12-8 18-8 24-6 23-2 17-1 11-1	PTH -65.774 1J SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434 21.63766 21.57015 20.10199 20.11768	AZ 5-201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -6 -10.386 -6 -11.753 -8 -11.753 -9 -11.753 -10 -11.077 -11 -10.455 -11 -1	LON 20.525 - 21.111 21.818 - 20.512 20.512 20.512 20.1027 - 21.705 21.764 21.818	24 MIN 29  RANGE 203.97622 200.31012 190.61985 202.73927 207.95683 215.76659 207.58134 215.13402 190.61985	AZS/C -37.1 -47.0 -48.1 -65.3 -54.8 -46.4 -38.5 -28.4 -36.1	AZN 6.2 6.6 4.8 5.3 7.7 8.2 8.8 7.1 5.4 5.4	SEC TO 79.  AZSUN -84.0 -82.7 -81.2 -81.0 -80.8 -82.7 -84.5 -84.5 -81.2	TAB NO IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 41.6 43.1 44.6 45.1 44.6 45.9	ALT 183.9937 Ae 9.61326 9.51960 8.97750 9.24640 9.33986 10.16182 9.81763 9.50469 9.23015 8.97750	ATLA: LAT 7 = 9.4 6.899 0.910 0.970 0.905 0.876 0.876 0.878 0.909 0.910	S PHOTO  22 -23  AZPHAZ -93.6 -90.1 -85.5 -84.6 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5	NO ON070 INCD 67.7 67.1 66.4 67.0 67.6 67.8 68.0 67.3 66.6 66.6	184 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5 47.9 53.3 53.0 53.0	R 9,449 EM1S 27.0 24.6 16.0 20.8 26.2 29.3 33.3 29.1 25.5 16.0	POD S V 2.509 ALPHA 24.5 18.8 24.9 24.9 24.6 217.1 11.1 12.4	PTH -65.774 1J SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.2434 21.63766 21.57015 20.10199 20.11768 18.91905	AZ 15.201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.421 -7 -11.753 -11.745 -9 -11.739 -11.739 -10 -11.077 -11 -10.455 -12 -9.986 -12 -9.986	LON 20.525 21.111 21.818 22.441 21.764 21.764 21.764 21.764 21.765 22.441 21.818 22.441	24 MIN 29  RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95683 215.76659 207.58134 201.99167 195.13402 190.61985	AZS/C -37-1 -47-0 -48-1 -58-7 -65-3 -54-8 -46-4 -38-5 -28-4 -36-1 -47-7	AZN 6.2 6.6 4.8 6.3 7.7 8.2 8.8 7.1 5.4 5.0 4.8	SEC TO 79.  AZSUN -84.0 -82.7 -81.2 -81.0 -80.8 -82.7 -84.6 -84.5 -82.8 -81.2 -81.2	TAB NO  IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 41.6 43.1 44.6 46.0 44.4 42.9 43.0	ALT 183.9937 A• 9.61326 9.51960 8.97750 9.25640 10.16182 9.81763 9.50469 9.23015 8.97750 8.34671	ATLA: LAT 7. =9.4 8/A 0.899 0.910 0.970 0.905 0.876 0.878 0.909 0.941 0.909 0.977	S PHOTO  L 92 -23  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -95.6 -95.1 -94.7	NO ON -070 INCD 67-7 67-1 66-4 67-8 68-0 67-8 68-0 67-3 66-6 66-5 66-5	184 191 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5 42.5 47.9 53.3 53.0	R 9-449 EMIS 27.0 24.6 16.0 20.8 26.2 29.3 33.3 29.1 25.7 20.5 16.0 8.2	POD S V 2-509 ALPHA 24-5 18-5 12-8 18-8 24-6 23-2 17-1 11-1 12-4 12-8 6-7	PTH65.774_1J  SCALE 0. 21.27200 27.95537 18.84727 20.12434 21.63766 21.57015 20.11768 18.91905 23.39041 17.35456	AZ (5.201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -6 -10.386 -7 -7 -11.753 -9 -11.739 -10 -11.073 -11.755 -12 -9.986 -13 -9.941 -13 -13 -9.941 -13 -13 -9.941 -13 -13 -9.941 -13 -13 -9.941 -13 -13 -9.941 -13 -13 -9.941 -13 -13 -9.941 -13 -13 -9.941 -13 -13 -9.941 -13 -13 -13 -13 -13 -13 -13 -13 -13 -1	LON 20.525 21.111 21.818 21.186 20.512 20.512 20.512 20.512 20.411 20.41	24 MIN 29  RANGE 203.97622 200.31012 190.61985 202.73927 207.95683 215.76659 207.58134 215.13402 190.61985	AZS/C -37.1 -47.0 -48.1 -65.3 -54.8 -46.4 -38.5 -28.4 -36.1	AZN 6.2 6.6 4.8 5.3 7.7 8.2 8.8 7.1 5.4 5.4	SEC TO 79.  AZSUN -84.0 -82.7 -81.2 -81.0 -80.4 -5.4 -5.8 -82.7 -84.5 -82.8 -82.8 -79.8	TAB NO IMPACT -297  AZA 44.6 43.0 42.9 41.5 40.0 41.6 43.1 44.6 45.0 44.4 42.9 43.0 41.5	184 ALT 183-9937 9-61326 9-51960 8-97750 9-24640 10-16182 9-81763 9-50469 9-23015 8-97750 8-34671 8-77286 9-02581	ATLA: LAT 7 -9.4 8/A 0.899 0.910 0.905 0.878 0.909 0.943 0.909 0.977 0.977 0.977	L L 22 -23 AZPHAZ -93.6 -90.1 -85.1 -95.6 -90.1 -95.6 -90.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.5 -82.1 -81.5 -80.8	NO ON -070 INCD 67-7 67-1 66-4 67-8 68-0 67-8 68-0 67-3 66-5 66-4 65-7 66-3	184 191 PHAZ 42.7 47.6 53.2 47.8 42.2 42.5 42.5 53.3 53.0 53.2 58.9 53.7 48.4	R 9.449 EMIS 27.0 24.6 16.0 20.8 20.8 20.8 20.8 20.8 20.8 20.8 20	POD S V 2.509 ALPHA 24.5 18.5 12.8 24.9 24.6 23.2 17.1 11.1 12.4 6.7 12.5	PTH -65.774.1J SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434 21.63766 21.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917	AZ 5.201 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.486 -6 -11.753 -7 -11.753 -9 -11.755 -12 -9.986 -13 -9.941 -14 -9.893 -15 -9.842 -	LON 20.525 21.111 21.818 21.186 20.512 20.411 20.300 21.027 21.705 21.764 21.818 22.441 21.861 21.247 20.592	RANGE 203.97622 200.31012 190.6198 195.50235 202.73927 207.59613 201.99167 195.13402 190.61985 185.71501 188.40760 193.11522 200.08039	AZS/C -37-1 -47-0 -48-1 -58-3 -54-8 -36-1 -48-1 -48-1 -47-7 -76-3 -71-9	AZN 6.2 6.6 4.8 7.7 7 8.2 8 7.1 5.4 5.0 4.8 3.1 4.6 5.7 7.3	SEC TO 79, AZSUN -84.0 -82.7 -81.2 -81.0 -82.6 -84.5 -84.5 -82.8 -81.2 -79.8 -79.5 -79.5 -79.5	TAB NO IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 43.1 44.6 45.0 40.4 42.9 43.0 41.5 40.1 38.7	ALT 183.9937 Ae 9.61326 9.51960 8.97750 9.24640 9.53986 10.16182 9.81763 9.50469 9.23015 8.97750 8.34671 8.77786 9.02581 9.02581 9.30111	ATLA: LAT 7 -9.4 0.899 0.910 0.970 0.939 0.905 0.878 0.878 0.909 0.941 0.977 0.994 0.994 0.994	S PHOTO  1	NO ON -070 INCD 67-7 67-1 66-4 67-0 67-6 68-0 68-0 66-3 66-3 65-7 66-3 66-9	184 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5 42.5 53.3 53.0 53.2 53.9 53.7 48.4 43.4	R 9.449 EM1S 27.0 24.6 16.0 20.8 26.2 29.3 33.3 29.1 25.7 20.5 18.2 13.1 14.4	POD S  V 2.509  ALPHA 24.5 18.8 24.9 24.6 23.2 17.1 11.1 12.4 12.8 12.5 18.4 24.4	PTH65.774_1J  SCALE 0. 21.27200 27.95537 18.84727 20.12434 21.63766 21.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820	AZ (5-201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 - 2 -11.065 - 3 -10.455 - 4 -10.421 - 5 -10.386 - 6 -11.047 - 7 -11.739 - 11.745 - 11.745 - 12.993 - 14.993 - 15.9,842 - 16.9,786 -	LON -20.525 -21.111 -21.818 -20.512 -20.411 -20.300 -21.027 -21.765 -21.416 -21.818 -22.441 -21.818 -22.441 -21.818 -22.592 -19.890	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95683 215.76659 207.58134 201.99167 195.13402 190.61985 185.71501 188.40760 193.11522 200.08039 209.55482	AZS/C -37.1 -47.0 -48.1 -58.7 -65.3 -54.8 -46.4 -38.5 -28.4 -38.1 -47.7 -64.3 -71.9 -76.1	AZN 66 48 .63 77 82 88 71 54 66 59 73 88 31 46 59 73 87	SEC TO 79.  AZSUN -84.0 7-81.2 -81.0 -80.8 8-82.7 -84.6 -84.5 -82.8 8-81.2 -80.0 -79.5 -79.2 -79.2 -79.2	TAB NO  IMPACT .297  AZA 44.6 43.0 41.5 40.0 44.4 42.9 43.0 41.5 40.1 38.7 37.2	184 ALT 183-9937 Ae 9.61326 9.51960 9.7750 9.24640 10.16182 9.81763 9.23615 8.97750 8.34671 8.77286 9.02581 9.30611 9.02581 9.30611 9.60310	ATLA:  LAT 7 -9.4  B/A 0.899 0.910 0.970 0.939 0.905 0.876 0.878 0.909 0.971 0.977 0.994 0.963 0.929	S PHOTO  12 -23  AZPHAZ -93.6 -90.1 -85.5 -84.6 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5 -82.1 -81.5 -80.8 -79.9 -78.9	NO ON .070 INCD 67.7 67.6 67.0 67.0 67.0 67.3 66.4 66.5 66.4 65.3 66.4 65.3 66.4 65.3	191 PHAZ 42.7 47.6 53.2 42.5 42.5 47.9 53.3 53.0 53.2 58.9 48.4 43.2 38.0	R 9-449 EMIS 27-0 6 16-0 20-8 26-2 29-3 33-3 25-7 20-5 16-0 18-6 20-4 20-4 20-4	POD S V 2.509 ALPHA 24.5 18.8 24.9 24.6 23.2 17.1 11.1 12.8 6.7 18.4 24.4 30.2	PTH -65.774.1J SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434 21.63766 21.57015 20.110199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327	AZ 5,201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.455 -4 -10.457 -7 -11.753 -9 -11.755 -12 -9.955 -12 -9.955 -12 -9.955 -13 -9.951 -14 -9.893 -15 -9.842 -16 -9.786 -17 -10.347 -18 -17 -10.347 -18 -17 -10.347 -18 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -18 -19 -19 -19 -19 -19 -19 -19 -19 -19 -19	LON 20.525 21.111 21.818 21.186 20.411 20.300 21.027 21.705 21.764 21.028 21.2441 21.2861 21.2592 19.890	24 MIN 29  RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.956134 201.99167 195.13402 190.61985 185.71561 188.4C760 193.11522 200.08039 209.55482 212.60214	AZS/C -37-1 -47-0 -48-1 -68-1 -68-1 -48-1 -48-1 -48-1 -47-7 -64-3 -71-9 -76-1 -78-7	AZN 26.664.83	SEC TO 79.  AZSUN -84.0 -82.7 -81.2 -81.0 -82.6 -84.5 -84.5 -81.2 -80.0 -79.8 -79.5 -79.5 -79.5 -79.5 -79.5 -79.8 -80.6	TAB NO  IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 41.5 40.1 38.7 37.2 38.6	ALT 183.9937 Ae 9.61326 9.51960 8.97750 9.24640 9.53986 10.16182 9.81763 9.50469 9.23015 8.97750 8.34671 8.77786 9.02581 9.02581 9.30111	ATLA:  LAT 79.4  8/A 0.899 0.910 0.970 0.905 0.873 0.878 0.909 0.941 0.970 0.977 0.994 0.963 0.893 0.869	S PHOTO  12 -23  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -95.1 -94.7 -90.1 -94.7 -90.1 -94.7 -90.1 -94.7 -90.1 -94.7 -90.1 -94.7 -90.1 -94.7 -90.1	NO ON -070 INCD 67-7 67-8 67-8 68-0 67-8 68-3 66-6 66-5 66-6 68-3 68-3 68-3	191 PHAZ 42.7 47.6 53.2 47.8 42.5 42.2 42.5 47.9 53.3 53.0 53.2 58.9 53.7 48.4 43.2 38.0 37.2	R 9-449 27-6 16-0 224-6 120-8 226-3 33-1 226-3 13-4 18-6 230-8 31-8	POD S  V 2-509  AL PHA 24-5 18-8 24-9 24-6 23-2 17-1 11-1 12-8 6-7 12-8 40-2 31-0 30-7	PTH65.774_11  SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434 21.63766 21.57015 20.10199 20.11768 18.91905 18.39917 19.60820 21.02327 17.26816 21.06364	AZ (5.201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -6 -10.386 -7 -11.753 -9 -11.753 -10 -11.075 -12 -9.986 -13 -9.941 -14 -9.893 -15 -9.842 -16 -9.786 -17 -10.347 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -18 -11.031 -19 -18 -11.031 -19 -18 -11.031 -19 -18 -11.031 -19 -18 -11.031 -19 -18 -11.031 -19 -18 -11.031 -19 -19 -18 -11.031 -19 -19 -19 -19 -19 -19 -19 -19 -19 -1	LON -20.525 -21.111 -21.818 -20.512 -20.411 -20.300 -21.027 -21.765 -21.416 -21.818 -22.441 -21.818 -22.441 -21.818 -22.592 -19.890	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95683 215.76659 207.58134 201.99167 195.13402 190.61985 185.71501 188.40760 193.11522 200.08039 209.55482	AZS/C -37-1 -47-0 -48-1 -68-1 -68-1 -48-1 -48-1 -48-1 -47-7 -64-3 -71-9 -76-1 -78-7	MS AZN2 6.6.6 4.83 7.7.7 8.8.8 7.15 5.40 4.88 7.7.7 9.85 9.7.3	SEC TO 79. AZSUN -84-0 -82-2 -81-2 -81-2 -84-5 -84-5 -84-5 -82-8 -81-2 -79-5 -79-5 -79-5 -82-8 -81-2 -79-5 -82-8 -82-8	TAB NO  IMPACT. 297  AZA 44.6 43.0 42.9 41.5 40.0 44.4 42.9 43.0 41.5 40.1 38.7 37.2 38.6 40.1	184 ALT 183.9937 Ae 9.61326 9.51960 9.53986 10.16182 9.81763 9.50469 9.23015 8.34671 18.77286 9.02581 9.03101 9.60310 9.86277 10.18695 10.18695	ATLA:  LAT 7 -9.4  8/A 0.899 0.910 0.970 0.939 0.905 0.843 0.878 0.977 0.994 0.903 0.929 0.903 0.929 0.903	92 -23 AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.1 -94.7 -90.1 -81.5 -82.5 -81.5 -81.5 -82.6 -79.9 -78.9	NO ON -070 INCD 67-7 67-1 67-6 67-6 67-6 68-3 66-9 68-3 68-3 68-3 68-3	184 PHAZ 42-7 47-6 53-2 47-8 42-5 42-5 53-2 53-2 53-2 53-7 53-7 53-7 53-7 53-7 53-7 53-7 53-7	R 9.445 27.0 24.6 120.8 26.2 29.3 39.1 25.7 16.0 8.2 125.7 118.6 24.4 24.4 231.8 34.5	POD S V 2-509 ALPHA 24-5 18-5 12-8 18-8 24-9 24-6 23-2 17-1 112-4 12-8 6-7 12-5 18-4 24-4 30-2 30-7 29-1	PTH -65.774_1J SCALE 0. 21.27200 27.95537 18.884727 20.124434 21.63766 21.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327 17.26816 21.06364 22.59045	AZ (5.201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.386 -6 -11.753 -9 -11.753 -10.155 -10.386 -11.745 -9 -11.755 -12 -9.986 -13 -9.941 -14 -9.893 -15 -9.842 -16 -9.786 -17 -10.347 -18 -11.031 -19 -11.763 -20 -12.553	LON 20.525 -21.111 21.888 21.186 20.512 20.411 20.300 -21.027 -21.705 -21.724 -19.890 -19.787 -19.513 -19.513 -19.513 -19.513 -19.513	24 MIN 29  RANGE 203.97622 200.31012 190.61985 202.73927 207.956134 201.99167 195.13402 190.61985 185.71501 188.40760 193.11522 200.08039 209.55482 212.60214 218.37337 226.88148	AZS/C -37.1 -47.0 -48.1 -58.3 -54.8 -46.4 -38.5 -48.1 -47.3 -71.9 -71.9 -71.9 -70.4 -70.4 -70.4 -70.4	AS AZ N AZ	SEC TO 79.  AZSUN -84-0 -82-7 -81-2 -80-8 -84-5 -84-5 -84-5 -79-5 -79-8 -80-6 -84-8 -82-6 -84-8 -87-0 -82-8 -82-8	TAB NO  IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 44.4 46.0 44.9 43.0 44.9 43.0 40.1 38.7 38.7 38.7 40.1 38.7 38.7 37.2 38.6	ALT 183.9937 Ae 9.61326 9.51960 8.97750 9.24640 9.33064 10.16182 9.81763 9.50469 9.23015 8.34671 8.777286 9.02581 9.02581 9.02581 9.02581 9.02581 9.03111 9.60310 9.86277 10.18695 10.54400 10.94129	ATLA:  LAT 7 -9.4  8/A 0.899 0.910 0.970 0.939 0.905 0.878 0.909 0.911 0.977 0.974 0.993 0.808 0.929 0.893 0.863	92 -23  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -90.1 -95.6 -95.1 -94.7 -90.1 -81.5 -80.8 -79.9 -78.9 -84.0 -90.90.1 -96.2 -102.1	ON .070 INCD 67.7 67.1 66.4 65.7 66.3 66.5 68.2 68.5 68.5 68.7 68.5 68.7	184 PHAZ 42-7 47-6 53-2 47-8 42-5 42-5 42-5 53-0 53-2 58-9 53-7 48-4 48-4 38-2 38-9 38-9 38-9 38-9	R 9.445 EMIS 27.0 24.6 16.0 26.2 29.3 39.1 25.7 16.0 8.2 138.6 24.4 31.8 34.5 34.5 34.5 34.5	POD S  V 2-509  AL PHA 24-5 12-8 18-8 24-6 23-2 17-1 11-1 12-8 6-7 12-5 18-4 24-4 30-2 31-0 30-7 29-1 26-2	FQUENCE NC  PTH -65.774_1J  SCALE 0. 21.27200 27.95537 18.84727 20.12434 21.63766 21.57015 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327 17.26616 21.06364 22.59045 24.42129	AZ (5-201) PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.421 -5 -11.745 -9 -11.739 -	LON 20.525 21.111 21.818 20.512 20.512 20.512 20.512 20.411 21.027 21.705 21.704 21.818 22.441 21.861 -21.247 -21.247 -21.9592 -19.890 -19.658 -19.513	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95683 215.76659 207.58134 201.99167 195.13402 190.61985 185.71501 188.40760 193.11522 200.08039 209.55482 212.60214 218.37337 226.88148 238.48340 226.48107	AZS/C -37.1 -47.0 -48.0 -58.7 -55.8 -46.4 -36.5 -28.4 -36.1 -48.1 -48.1 -48.1 -71.9 -70.1 -78.7 -60.4 -70.4	AZN	SEC TO 79. AZSUN -84.0 -82.7 -81.2 -81.0 -84.5 -84.5 -84.5 -82.8 -81.2 -79.5 -79.2 -79.8 -82.6 -84.6 -	TAB NO IMPACT .297  AZA 44.6 43.0 41.5 40.0 41.6 43.1 44.6 45.0 41.5 40.1 38.7 37.2 38.6 40.1 41.7 43.2	184 ALT 183.9937 Ae 9.61326 9.51960 9.51960 9.24640 9.53966 10.16182 9.81763 9.50469 9.23015 8.97750 8.34671 8.77286 9.02581 9.0310 9.6031	ATLA:  LAT 7 =9.4  8.899 0.910 0.970 0.939 0.876 0.843 0.905 0.941 0.977 0.994 0.963 0.929 0.893 0.808 0.770 0.808	S PHOTO  192 -23  AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.6 -90.1 -95.6 -95.1 -94.7 -90.1 -91.5 -80.8 -80.8 -79.9 -78.9 -80.0 -90.1 -91.7 -90.1	NO ON -070 1NCD 67.7 67.1 66.9 67.3 66.5 66.5 66.3 66.5 66.3 66.5 68.2 68.3 68.7 69.0 68.2	184 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5 42.5 53.0 53.2 58.9 53.2 58.9 53.7 48.4 37.2 38.0 37.2 43.3 48.4 4	R 9-449 24.6 120.8 26.2 233.3 29.1 16.0 18.6 20.2 13.1 18.4 4.4 30.2 31.8 37.9 437.8	POD S V 2.509 ALPHA 24.5 18.5 12.8 24.9 24.6 23.2 17.1 11.1 12.4 12.8 6.7 12.5 18.4 24.4 24.4 24.4 24.2 31.0 30.7 12.6 26.2 20.6	PTH -65.774_1J SCALE 0. 21.27200 27.95537 18.884727 20.1202 20.24434 21.63766 21.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327 17.26816 21.06364 22.59045 24.4073	AZ 5,201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.486 -6 -11.753 -11.753 -11.755 -12 -9.986 -13 -9.941 -14 -9.893 -15 -9.842 -16 -9.786 -11.031 -19.11.763 -12.553 -20 -12.553 -21 -12.553 -21 -12.553 -21 -12.553 -22 -12.553 -22 -12.553 -22 -12.553 -22 -12.553 -22 -12.553 -22 -12.554 -76 -76 -76 -76 -76 -76 -76 -76 -76 -76	LON 20.525 21.111 21.818 21.186 20.512 20.411 20.300 21.027 21.705 21.027 21.247 21.247 21.861 21.247 20.592 19.890 19.513 19.513 19.513	RANGE 203.97622 200.31012 190.61985 95.50235 202.73927 207.95683 207.56134 201.99167 195.13402 209.061985 185.71501 188.40760 193.11522 200.0039 209.55482 201.26214 218.37337 226.88148 228.481340 226.48107 217.59432	AZS/C -37.1 -47.0 -48.1 -58.7 -54.8 -46.4 -38.5 -28.4 -47.0 -48.1 -47.0 -48.1 -47.0 -64.3 -71.9 -76.1 -78.7 -69.4 -52.6 -46.4	AS AZ N AZ	SEC TO 79.  AZSUN -84-0 -82-7 -81-2 -80-8 -84-5 -84-5 -82-6 -79-8 -80-0 -84-6 -84-6 -82-6	TAB NO  IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 44.4 42.9 43.0 44.4 42.9 43.0 40.1 38.7 37.2 38.6 60.1 41.7 43.2 44.7	ALT 183.9937 Ae 9.61326 9.51960 9.24640 9.3986 10.16182 9.81763 9.50469 9.23015 8.34671 8.777286 9.02581 9.02581 9.02581 0.05810 0.054400 10.54400 10.94129 10.52144 10.14552	ATLA:  LAT 7 -9.4  8/A 0.899 0.910 0.970 0.939 0.905 0.876 0.843 0.909 0.971 0.974 0.994 0.963 0.929 0.809 0.878 0.909 0.808	S PHOTO  92 -23  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -95.1 -94.7 -90.1 -81.5 -80.8 -79.9 -78.9 -84.0	NO ON .070 INCD 67.7 67.1 67.0 67.0 67.0 66.3 66.4 65.7 66.3 66.4 65.7 68.2 68.2 68.2 68.2 68.3 68.6	184 PHAZ 42.7 47.6 53.2 47.8 42.5 47.9 53.3 53.0 53.3 53.0 48.4 48.4 37.2 38.0 37.2 38.0 37.2 38.0 37.2 38.0 37.2 38.0 37.2 38.0 37.2 38.0 37.2 38.0 37.2 38.0 38.0 37.2 38.0 3	R 9,4457 27.0 24.6 0 20.8 8 22.9 33.3 2 25.7 7 20.5 2 13.1 1 124.4 2 31.8 2 34.5 3 34.5 3 34.5 3 34.5 3 34.5 3	POD S 2.509 ALPHA 24.5 12.8 18.8 24.9 24.6 23.2 17.1 11.1 12.4 12.8 6.7 18.4 24.4 30.2 31.0 30.7 29.1 26.2 20.6	PTH -65.774_1J SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434 21.63766 621.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327 17.26816 21.06384 22.59045 24.42129 24.48503 20.88308	AZ 5,201 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 21-22 21-22 22-22
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.421 -7 -11.753 -1 -11.753 -1 -10.455 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	LON 20.525 21.111 21.818 20.512 20.512 20.512 20.411 20.300 21.027 21.705 21.704 21.818 22.441 21.861 21.246 21.247 20.592 91.767 21.767 21.767 21.247 20.592 91.767 21.247 21.247 20.592 91.767 21.24	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95683 215.76659 207.58134 201.99167 195.13402 190.61985 185.71501 188.40760 193.11522 200.08039 209.55482 212.60214 218.37337 226.88148 238.48340 226.48107	AZS/C -37.1 -47.0 -48.1 -58.7 -65.3 -54.8 -46.4 -36.5 -28.4 -36.1 -48.1 -48.1 -48.1 -70.1 -70.1 -70.1 -70.4	AZN AZN 6-2 6-66-2 6-66-8 6-3 7-7-1 7-1 4-69-5 7-3 8-1 14-69-5 7-3 7-9-8 11-3 7-5 7-5 7-5 7-5 7-5 7-5 7-5 7-5 7-5 7-5	SEC TO 79. AZSUN -84.0 0 -82.7 -81.2 -81.0 -82.7 -84.5 -84.5 -82.8 -81.2 -80.6 -84.5 -79.5 -79.8 -86.4 -86.4 -86.4	TAB NO IMPACT .297  AZA 44.6 43.0 41.5 40.0 41.6 43.1 44.6 45.0 41.5 40.1 38.7 37.2 38.6 40.1 41.7 43.2	184 ALT 183.9937 Ae 9.61326 9.51960 9.24640 9.33664 10.16182 9.81763 9.23015 8.97750 8.34671 9.02581 9.77286 9.02581 9.02581 9.03101 9.60310 9.66277 10.18695 10.52144 10.1452 9.80543 9.49502	ATLA:  B/A 0.899 0.910 0.970 0.939 0.905 0.875 0.878 0.909 0.971 0.971 0.994 0.963 0.972 0.893 0.869 0.770 0.808 0.875 0.808	S PHOTO  192 -23  AZPHA Z -93.6 -90.1 -85.5 -85.1 -94.7 -95.6 -95.1 -84.5 -90.1 -85.5 -80.8 -79.9 -78.9 -78.9 -78.9 -78.9 -78.9 -79.1 -100.9 -100.0 -99.2 -99.2	NO ON070 INCD 67.7 67.1 66.4 67.3 66.6 66.6 67.3 66.6 66.9 67.5 68.2 68.3 68.5 7 69.0 66.4 66.1 66.1 66.1 66.1 66.1 66.1 66.1	184 191 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5 42.5 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.2 38.0 37.2 2.3 38.0 37.2 2.3 38.0 37.2 2.4 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3	R 9,4459 EMIS 27.00 16.08 224.6 229.3 33.3 225.7 225.7 16.0 24.4 31.8 347.9 347.9 347.9 347.9 347.9	POD S V 2-509 ALPHA 24-5 18-8 24-9 24-6 23-2 17-1 11-1 12-8 6-7 18-4 24-4 30-2 31-0 30-7 29-1 26-2 20-6 14-8 9-1 3-4	FQUENCE NC  PTH  -65.II4_1J  SCALE 0. 21.27200 27.95537 18.84727 20.120434 21.63766 21.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327 17.26816 21.06364 22.59045 24.40973 22.48503 20.88308	AZ .5.201 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 14-15 15-16 18-19 19-20 20-21 21-22 22-22 22-23 23-24
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.421 -5 -11.755 -1 -11.755 -	LON 20.525 21.111 21.818 20.512 20.512 20.411 20.302 21.027 21.705 21.705 21.704 21.818 22.441 21.861 21.247 21.247 21.259 19.592 19.592 19.513 19.350 22.2491 21.618	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.58134 201.99167 195.13402 190.61985 195.7565 195.7565 195.7567 207.58134 201.99167 207.58134 201.99167 207.58134 208.40760 207.5848 212.60214 212.60214 212.60214 212.60214 212.60214 212.60214 213.7564 213.76769 217.59432 217.59432 217.59432 217.59432 217.69190 217.69190 217.69190 219.69065	AZS/C -37.1 -47.0 -48.1 -58.7 -65.3 -54.8 -46.4 -38.5 -28.4 -36.1 -48.1 -48.1 -48.1 -76.9 -76.1 -76.2 -60.4 -60.4 -60.4 -60.4 -71.9 -70.1	AZN	SEC TO 79. AZSUN -84.0 0 -82.7 -81.2 -81.0 -84.5 -84.5 -82.8 -81.2 -84.5 -84.5 -82.8 -81.2 -86.6 -84.8 -87.0 -84.8 -87.0 -84.8 -86.4 -84.4 -86.4	TAB NO IMPACT .297  AZA 44.6 43.0 41.5 40.0 41.6 43.1 44.6 46.0 41.5 40.1 38.7 37.2 38.6 40.1 41.7 43.2 44.7 44.7 46.1 47.4	184 ALT 183-9937 Ae 9.61326 9.51960 8.97750 9.24640 10.16182 9.81763 9.50469 9.23015 8.97750 8.34671 8.77286 9.02581 9.30111 9.60217 10.18695 10.54400 10.94129 10.52444 10.14552 9.80543 9.49502	ATLA:  1 -9.4  0.899 0.910 0.970 0.933 0.873 0.878 0.904 0.977 0.994 0.903 0.893 0.893 0.893 0.893 0.893 0.893 0.893 0.893 0.893	S PHOTO  L  92 -23  AZPHAZ -90.1 -85.5 -85.1 -84.6 -90.1 -94.7 -90.1 -95.5 -85.5 -80.8 -79.9 -78.9 -84.0 -90.1 -96.2 -100.1 -96.2 -100.1 -99.2 -98.6	ON .070 INC D 67.7 7 66.4 6 6.6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	184 191 192.7 47.6 47.6 47.8 42.5 42.5 53.2 42.5 53.3 53.0 137.2 138.0 137.2 138.0 137.2 138.0 137.2 138.0 139.0 10 10 10 10 10 10 10 10 10 10 10 10 10	R 9.4457 EMIS 020.62 20.62 20.63 229.33 29.11 25.75 18.04 20.63 21.64 20.63 21.64 20.63 21.64 21	POD S 2.509 ALPHA 24.5 18.8 24.9 24.6 23.2 17.1 11.1 12.4 12.8 18.4 24.4 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 30.2 31.0 31.0 31.0 31.0 31.0 31.0 31.0 31.0	PTH65.774_1J  SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434 21.6376 21.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327 17.26816 21.06364 22.59045 24.42129 24.48503 20.88308 19.52488308 19.52488308 19.52488308 19.52488508 19.52488	374  AZ (5-201  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 21-21 21-22 22-23 23-24
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.455 -4 -10.455 -10.386 -11.753 -11.755 -11.	LON 20.525 21.111 21.818 21.186 20.512 20.411 20.300 21.027 21.705 21.764 21.861 -21.247 -21.861 -21.247 -19.658 -19.513 -19.513 -19.513 -19.513 -19.513	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95613 201.99167 195.13402 190.61985 195.71501 188.40760 193.11522 200.08039 209.55482 212.60214 218.37337 26.88148 28.48340 22.469140 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408 21.44408	AZS/C -37.1 -47.0 -48.1 -58.7 -65.3 -54.6 -46.4 -38.5 -28.4 -36.1 -48.1 -47.7 -64.3 -71.9 -76.1 -78.7 -69.6 -60.4 -52.6 -46.1 -39.3 -36.1 -39.3 -36.1 -39.3 -36.1 -39.3 -36.1 -39.3 -36.1 -39.3 -36.1 -39.3 -36.1	AZN 6.2 6.6 6.6 4.8 8.7 7.7 8.2 8.8 8.7 1.1 5.0 9.2 9.8 511.3 7.6 5.7 7.6 5.7 7.6 5.7 7.6 5.7 7.6 5.7 7.6 5.7 7.6 5.7 7.6 5.7 7.6 7.2 9.8 5.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7	SEC TO 79.  AZSUN -84.0 -81.2 -81.0 -84.5 -84.5 -82.8 -81.2 -79.5 -79.5 -84.6 -82.6 -84.6 -82.6 -84.8 -87.0 -86.7 -86.2 -86.0 -84.8	TAB NO IMPACT .297  AZA 44.6 43.0 42.9 41.5 40.0 44.4 42.9 43.1 38.6 40.1 47.6 40.1 47.6 49.0 47.4	184  ALT  183.9937  Ae  9.61326  9.51960  8.97750  9.24640  9.81763  9.50469  9.81763  9.50469  9.02581  9.77286  9.02581  9.60310	ATLA:  LAT 7 -9.4  8/A 0.899 0.910 0.970 0.939 0.905 0.878 0.909 0.878 0.909 0.941 0.977 0.994 0.943 0.875 0.808 0.875 0.808	S PHOTO  L  92 -23  AZPHA Z -93.6 -90.1 -85.5 -85.1 -95.6 -95.6 -95.6 -95.7 -90.1 -85.5 -80.8 -79.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -79.1 -79.1 -79.1 -79.2 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3 -79.3	NO ON .070 INCD 67.7 1 66.4 67.1 66.4 6 67.0 66.5 7 66.4 65.7 66.4 66.5 66.4 66.5 66.5 66.5 66.5 66.5	184 191 PHAZ 42.7 47.6 53.2 47.8 42.5 42.5 42.5 42.5 43.9 53.3 48.4 43.9 53.3 38.0 38	R 9.4453 EMIS 024.6 16.0 10.0 10.0 10.0 10.0 10.0 10.0 10	POD S V 2-509 ALPHA 24-5 18-8 24-6 23-2 17-1 11-1 12-8 6-7 12-5 18-4 30-0 30-7 29-1 26-2 20-6 9-1 3-3 9-1 3-3 9-1 3-3 9-1 3-3 9-1 3-3 9-1 9-1 9-1 9-1 9-1 9-1 9-1 9-1 9-1 9-1	PTH65.774_1/3  SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434 21.63766 21.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327 17.26816 21.02327 17.26816 21.02327 22.48503 20.88308 19.52948 20.81395	AZ 374 AZ 3,201 1-2 2-3 3-4 4-5-6 6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16 17-18 18-19 19-20 21-22 22-23 23-24 24-25 25-26
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 1 -10.659 -2 -11.062 -3 -10.455 -4 -10.421 -5 -11.755 -1 -11.755 -	LON 20.525 21.111 21.818 21.186 20.512 20.411 20.302 21.764 21.818 22.441 21.861 21.245 21.247 20.592 21.764 21.247 20.592 21.764 21.247 20.592 21.764 21.247 20.592 21.764 21.247 20.592 21.247 20.592 21.247 20.2599 22.2441 22.378 22.378 22.378 22.378 22.378	RANGE 203.97622 200.31012 190.61985 195.50235 202.73927 207.95683 201.576659 207.58134 201.99167 195.13402 190.61985 207.59134 201.57682 200.08039 209.55482 212.60214 218.37337 226.88148 228.48340 226.48107 217.59432 217.59432 217.59432 217.69190 198.69065 198.214719 187.83232	AZS/C -37-1 -47-0 -48-1 -58-3 -54-8 -36-1 -48-1 -48-1 -48-1 -76-1	AZN	SEC TO 79.  AZSUN -84.0 -82.7 -81.2 -81.2 -81.2 -81.2 -81.2 -80.8 -81.2 -79.5 -84.5 -82.8 -81.2 -79.5 -84.6 -82.6 -84.8 -87.0 -87.0	TAB NO  IMPACT .297  AZA 44.6 43.0 41.5 40.0 41.6 43.1 54.6 40.0 41.5 40.1 38.7 37.2 38.6 40.1 41.7 46.1 47.4 45.8	184  ALT  183-9937  Ae  9.61326  9.51960  8.97750  9.24640  10.16182  9.81763  9.50469  9.23015  8.97750  8.77286  9.02581  9.30111  9.60277  10.18695  10.54400  10.94129  10.14552  9.80543  9.49562  9.21785	ATLA:  LAT 7 -9.4  0.899 0.910 0.970 0.933 0.878 0.967 0.878 0.977 0.994 0.977 0.994 0.963 0.879 0.889 0.889 0.889 0.889 0.889 0.889	S PHOTO  L  92 -23  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -95.1 -95.7 -94	ON .070 INCD 67.7 1 66.4 67.4 66.8 66.5 7 66.3 68.7 66.1 66.1 66.1 66.1 66.1 66.1 66.1 66	184 191 42.7 47.6 53.2 47.8 42.5 42.5 47.9 53.3 53.0 53.3 53.0 53.7 48.4 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43	R 9.4457 EM15 0 24.6 0 16.0 0 26.2 29.3 3 3 29.1 12.0 5 0 4 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	POD S 2-509 ALPHA5 18.8 24.9 24.6 23.2 17.1 11.1 12.8 12.8 12.5 18.4 24.4 24.4 24.4 24.4 24.4 24.6 24.6 24	PTH65.774_1J  SCALE 0. 21.27200 27.95537 18.84727 20.12023 20.24434 21.6376 21.57015 20.10199 20.11768 18.91905 23.39041 17.35456 18.39917 19.60820 21.02327 17.26816 21.06364 22.59045 24.42129 24.48503 20.88308 19.52488308 19.52488308 19.52488308 19.52488508 19.52488	374  AZ  5,201  1-2  2-3  3-4  4-5  5-6  7  7-8  8-9  9-10  10-11  11-12  12-13  13-14  14-15  16-17  17-18  18-19  19-20  20-21  21-22  23-24  24-25  25-26-27

JULY 31,1964 13 HR	1 24 MIN 34	SEC 623	MS	1	TAB NO	185	ATLA	AS PHOTO	NO NO	185	POD S	SEQUENCE NO	376
TRAJECTURY DATA				SEC TO		ALT	LAT		ON	R	v	PTH	AZ
PHOTO DATA				/4.	177	172.26740	-9.5	59 -22	.924	1907.72	3 2.516	-65.679.11	15.176
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A.	B/A	AZPHAZ	INCO	PHAZ EMIS	AI PHA	SCALE	PT-PT
1 -10.656 -20.532		-37.2	6.2	-84.0	44.5		0.899	-93.6	67.6	42.7 26.9	24.4	0.	
	187.66298		6.6	-82.8	42.9	8.91855	0.909	-90.1	67.2	47.6 24.6	18.5	19.83887	1- 2
3 -10.468 -21.738	178.56658		4.8	-81.2	42.8	8.40983	0.970	-85.5	66.4	53.2 16.0	12.8	26.19541	2- 3
	183.15733		6.3	-81.0		8.66252	0.939_	85.1	67.0	47.9 20.9	18.9	17.66069	34
5 -10.403 -20.514 6 -11.022 -20.420	189.94136		7.7	-80.8	40.1					42.5 26.2		18.85136	4~ 5
		-54.8 -46.5	8.2	-82.7 -84.7	41.5	9.21571		-90.1	67.8	42.2 29.3	24.6	18.96646	5- 6
8 -11.676 -20.996		-38.6	8.8 7.1		44.4	9.51950 9.19706		-95.6 -95.1	47 3	42.5 33.2 47.9 29.1	23.1	20.26440 20.20670	6- 7
9 -11.671 -21.631	189.20811	-28.6	5.4		45.8	8.90316			66.7	53.3 25.7	11.2	18.83505	7- 8
10 -11.051 -21.687	182.79697		5.1		44.3					53.1 20.5		18,84075	9-10
11 -10.468 -21.738	178.56658		4.8	-81.2	42.8	8.40983	0.970	-85.5	66.4	53.2 16.0	12.8	17.72335	10-11
12 -10.029 -22.322	173.93583	-47.9	3.2	-80.0		7.81963	0.978	-82.1	65.8	58.9 8.3	6.0	21.91674	11-12
13 -9.987 -21.778 14 -9.942 -21.202	176.48347	-64.2	4.6	-79.7		8.21762	0.994	-81.5	66.4	53.7 13.2	12.6	16.25901	
14 -9.942 -21.202 15 -9.894 -20.589	180.90949		6.0	-79.5		8.45531				48.4 18.7	18.5	17.23961	
	196.30245		7.4 8.7	-79.2 -78.8		8.71341				43.2 24.4	24.4	18.37058	14-15
	199.16821	-69.6	9.2	-80.6	37.4	0.77778	0.894	-78.9	68.2	38.0 30.2	30.2	19.68902	15-16
18 -11.008 -19.714	204.57197	-60.4	9.8	-82.6		9.54315	0.840	-90.1	69 6	37.2 31.7 36.9 34.4	30.9	16.17847 19.73188	
19 -11.693 -19.579	212.51771		10.4	-84.8				-96-1	68.7	37.2 37.9	29.1	21.15218	
20 -12.433 -19.427	223.33019	-46.1		-87.0		10.24608	0.772	-102.1	68.9	38.2 41.8	26.1	22.84704	
21 -12.394 -20.170	212.12194	-40.0	9.4	-86.7	44.6	9.85435	0.809	-100.9	68.1	43.3 37.7	20.5	22.84456	
22 -12.361 -20.909	203.80394	-32.5	7.6	-86.5	45.7	4.50251	0.044	-100-0	67.5	48.6 34.1	14.9	21.05756	
23 -12.333 -21.570		-23.5	5.7	-86.2		9.18334	0.875	-99.2	66. B	53.8 31.1	7.2	10.56298	22-23
24 -12.309 -22.188 25 -11.667 -22.227	194.48752 186.08762	-13.1	3.9	-86.1		8.89135	0.905	-98-6	66.2	59.0 29.1	3.5	18.29465	
26 -11.065 -22.262	179.97123	-16.3 -21.4	3.7	-84.5 -82.9	47.1 45.6	8.63316	0.938	-94.3		58.6 23.4	5.4	19.47924	
27 -10.498 -22.295		-30.9	3.3	-81.3		8.39585 8.17615		-90.1 -85.8	45.0	58.4 17.7 58.5 12.3	6.5	18.26032	
28 -10.029 -22.322	173.93583	-47.9		-80.0		7.81963		-82.1		58.9 8.3		17.21062 14.22685	
					AB NO	196	ATLA	IS PHOTO	NO.	186	DOD 0	COLIENOE NO	
JULY 31,1964 13 HR	24 MIN 39	SEC 742	MS	•		100	AIL	is rholo	NO	100	FUD 3	EQUENCE NO	3/6
JULY 31,1964 13 HR	24 MIN 39	SEC 742					AIL	is rhoro	NO	100	rub s	EQUENCE NO	3/6
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 39	SEC 742		SEC TO	IMPACT	ALT	LAT	. L:	D <b>N</b>	R	v	PTH	AZ
TRAJECTORY DATA	24 MIN 39	SEC 742		SEC TO			LAT	. L:	D <b>N</b>	R	v		AZ
TRAJECTORY DATA				SEC TO	IMPACT 057	ALT 160.52051	LAT -9.6	L L	ON • 777	R 1895.97	v 6 <b>2.5</b> 22	PTH -65.582 11	AZ 15.149
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	SEC TO 69.	IMPACT 057	ALT 160.52051	LAT -9.6	L: 27 -22	DN •777	R 1895.97	V 6 2.522 Alpha	PTH -65.582 11 SCALE	AZ 15.149 PT-PT
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.653 -20.539	RANGE 178.00249	AZS/C -37.4	AZN 6.2	SEC TO 69.	IMPACT 057 AZA 44.3	ALT 160.52051 A* 8.39659	LAT -9.6 B/A 0.899	. L: 27 -22 AZPHAZ -93.6	ON •777 INCD 67.6	R 1895.97 PHAZ EMIS 42.8 26.8	V 6 2.522 ALPHA 24.3	PTH -65.582 11 SCALE 0.	AZ 15.149 PT-PT 0- 1
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.653 -20.539 2 -11.011 -21.039	RANGE 178.00249	AZS/C -37.4 -47.2	AZN	SEC TO 69.	IMPACT 057 AZA 44.3 42.8	ALT 160.52051 A* 8.39659 8.31574	LAT -9.6 B/A 0.899 0.909	27 -22 AZPHAZ -93.6 -90.1	DN •777 INCD 67.6 67.2	R 1895.97 PHAZ EMIS 42.8 26.8 47.6 24.6	V 6 2.522 ALPHA 24.3 18.5	PTH -65.582 11 SCALE O. 18.41450	AZ 5.149 PT-PT 0- 1 1- 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105	RANGE 178.00249 174.97861 166.48043 170.77626	AZS/C -37.4 -47.2 -48.4 -58.6	AZN 6.2 6.6	SEC TO 69.	IMPACT 057 AZA 44.3 42.8 42.7	ALT 160.52051 A+ 8.39659 8.31574 7.84062 8.07695	LAT -9.6 B/A 0.899 0.909 0.970 0.938	. L: 27 -22 AZPHAZ -93.6	DN •777 INCD 67.6 67.2 66.5	R 1895.97: PHAZ EMIS 42.8 26.8 47.6 24.6 53.3 16.1	V 6 2.522 ALPHA 24.3 18.5 12.9	PTH -65.582 11 SCALE O. 18.41450 24.42948	AZ 15.149 PT-PT 0-1 1-2 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516	RANGE 178.00249 174.97861 166.48043 170.77626	AZS/C -37.4 -47.2 -48.4 -58.6 -65.1	AZN 6.2 6.6 4.8 6.3 7.7	SEC TO 69.	IMPACT 057 AZA 44.3 42.8 42.7 41.4	ALT 160.52051 A* 8.39659 8.31574 7.84062 8.07695 8.33365	LAT -9.6 B/A 0.899 0.909 0.970 0.938 0.905	27 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6	ON .777 INCO 67.6 67.2 66.5 67.1 67.6	R 1895.97 PHAZ EMIS 42.8 26.8 47.6 24.6 53.3 16.1 47.9 26.2	V 5 2.522 ALPHA 24.3 18.5 12.9 18.9 24.9	PTH -65.582 11 SCALE O. 18.41450	AZ 15.149 PT-PT 0- 1 1- 2 2- 3 3- 4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539  2 -11.011 -21.039  3 -10.481 -21.657  4 -10.452 -21.105  5 -10.420 -20.516  6 -10.998 -20.428	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347	AZS/C -37.4 -47.2 -48.4 -58.6 -65.1 -54.8	AZN 6.2 6.6 4.8 6.3 7.7 8.2	SEC TO 69. AZSUN -84.1 -82.8 -81.2 -81.0 -80.8 -82.7	IMPACT 057 AZA 44.3 42.8 42.7 41.4 40.1 41.5	ALT 160.52051 A* 8.39659 8.31574 7.84062 8.07695 8.33365 8.33965	LAT -9.6 8/A 0.899 0.909 0.970 0.938 0.905	AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1	ON .777 INCO 67.6 67.2 66.5 67.1 67.6	R 1895-97: PHAZ EMIS 42-8 26-8 47-6 24-6 53-3 16-1 47-9 20-9 42-5 20-9 42-5 29-3	V 6 2.522 ALPHA 24.3 18.5 12.9 18.9 24.9 24.6	PTH -65.582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.58468	AZ 15.149 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539  2 -11.011 -21.039  3 -10.481 -21.657  4 -10.452 -21.105  5 -10.928 -20.428  7 -11.614 -20.331	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152	AZS/C -37.4 -47.2 -48.4 -58.1 -54.8	AZN 6.2 6.6 4.8 6.3 7.7 8.2 8.7	SEC TO 69.0 AZSUN -84.1 -82.8 -81.2 -81.0 -80.8 -82.7 -84.7	IMPACT 057 AZA 44.3 42.8 42.7 41.4 40.1 41.5 43.0	ALT 160.52051 A• 8.39659 8.31574; 7.84062 8.07695 8.33365 8.59294 8.87538	LAT -9.6 8/A 0.899 0.909 0.938 0.905 0.876	AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1	ON .777 INCD 67.6 67.2 66.5 67.1 67.6 67.8	R 1895.97. PHAZ EMI\$ 42.8 26.8 47.6 24.6 53.3 16.1 47.9 20.9 42.5 26.2 42.2 29.3 42.5 33.2	V 6 2.522 ALPHA 24.3 18.5 12.9 18.9 24.9 24.6 23.1	PTH -65.582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802	AZ 15.149 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539  2 -11.011 -21.637  4 -10.452 -21.105  5 -10.420 -20.516  6 -10.998 -20.428  7 -11.614 -20.331  8 -11.607 -20.966	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266	AZS/C -37.4 -47.2 -48.4 -58.6 -65.1 -546.6 -38.8	AZN 6.2 6.6 4.8 6.3 7.7 8.2 8.7 7.1	SEC TO 69. AZSUN -84.1 -82.8 -81.2 -81.0 -80.8 -82.7 -84.6	IMPACT 057 AZA 44.3 42.8 42.7 41.4 40.1 41.5 43.0 44.3	ALT 160.52051 A• 8.39659 8.31574 7.84062 8.07695 8.33365 8.59294 8.87538 8.57476	LAT -9.6 8/A 0.899 0.909 0.909 0.905 0.876 0.844	AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1	DN .777 INCD 67.6 67.2 66.5 67.1 67.6 67.8 67.9	R 1895-97. PHAZ EMIS 42-8 26-8 47-6 24-6 53-3 16-1 47-9 20-9 42-5 26-2 42-2 29-3 42-5 33-2 47-9 29-1	V 6 2.522 ALPHA 24.3 18.5 12.9 18.9 24.9 24.6 23.1 17.2	PTH -65.582 11 SCALE 0. 18.41450 24.42948 16.477015 17.57853 17.68468 18.88802 18.883937	AZ 15.149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266	AZS/C -37.4 -47.2 -48.4 -58.6 -65.1 -54.8 -46.6 -38.8	AZN 6.2 6.6 4.8 6.3 7.7 8.2 8.7 7.1	SEC TO 69. AZSUN -84.1 -82.8 -81.0 -80.8 -82.7 -84.7 -84.6 -84.6	IMPACT 057 AZA 44.3 42.8 42.8 42.7 41.4 40.1 41.5 43.0 44.3	ALT 160.52051 A* 8.39659 8.31574 7.84062 8.07695 8.33365 8.57476 8.87538 8.57476 8.30004	LAT -9.6 8/A 0.899 0.909 0.970 0.938 0.905 0.876 0.876 0.878	AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.6 -95.1 -94.7	INCD 67.6 67.2 66.5 67.1 67.6 67.8 67.9 67.3	R 1895-97. PHAZ EMIS 42-8 26-8 47-6 24-6 47-5 20-9 42-5 26-2 42-5 29-3 42-5 33-2 47-9 29-1 53-3 25-7	V 6 2.522 ALPHA 24.3 18.5 12.9 24.9 24.6 23.1 17.2 11.3	PTH -65.582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.883937 17.56407	AZ 15.149 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 170.42596	AZS/C -37.4 -47.2 -48.6 -65.1 -54.8 -46.6 -38.8 -28.8	AZN 6.2 6.6 4.8 6.3 7.7 8.2 8.7 7.1	SEC TO 69.  AZSUN -84.1 -82.8 -81.2 -81.0 -80.8 -82.7 -84.6 -82.8	IMPACT 057 AZA 44.3 42.8 42.7 41.4 40.1 41.5 43.0 44.3 45.6 44.1	ALT 160.52051 A• 8.39659 8.31574 7.84062 8.07695 8.33365 8.57294 8.87538 8.57476 8.30004 8.06142	LAT -9.6 B/A 0.899 0.970 0.973 0.975 0.876 0.844 0.909 0.909	AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.6 -95.1 -94.7 -90.1	INCO 67.6 67.2 66.5 67.1 67.6 67.8 67.9 67.3	R 1895.97 PHAZ EMIS 42.8 26.8 47.6 24.6 53.3 16.1 47.9 20.9 42.5 26.2 42.2 29.3 42.5 33.2 47.9 29.1 53.3 25.7 53.1 20.6	V 6 2.522 ALPHA 24.3 18.5 12.9 18.9 24.6 23.1 17.2 11.3	PTH -65.582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.83937 17.56407	AZ 15.149 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539  2 -11.011 -21.039  3 -10.481 -21.657  4 -10.452 -21.105  5 -10.420 -20.516  6 -10.998 -20.428  7 -11.614 -20.331  8 -11.607 -20.966  9 -11.602 -21.558  10 -11.025 -21.610  11 -10.481 -21.657  12 -10.071 -22.202	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 170.42596 166.48043 162.12956	AZS/C -37.4 -47.4 -48.4 -58.6 -54.8 -46.6 -38.8 -36.5 -48.1	AZN 6.2 6.6 4.8 6.3 7.7 8.2 8.7 7.1	SEC TO 69."  AZSUN -84.1 -82.8 -81.2 -81.0 -80.8 -82.7 -64.6 -84.6 -82.8 -81.2	IMPACT 057 AZA 44.3 42.8 42.7 41.4 40.1 41.5 43.0 44.3 45.6 44.1 42.7	ALT 160.52051 A* 8.39659 8.31574 7.84062 8.07695 8.33365 8.59294 8.87538 8.57476 8.30004 8.06142	LAT -9.6 B/A 0.899 0.970 0.978 0.905 0.844 0.844 0.878 0.909 0.941	AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.6 -95.1 -94.7 -90.1 -85.5	INCO 67.6 67.2 66.5 67.1 67.6 67.8 67.9 67.3 66.6	R 1895.97 PHAZ EMIS 42.8 26.8 47.6 24.6 53.3 16.1 47.9 20.9 42.5 26.2 42.2 29.3 42.5 33.2 42.5 33.2 53.3 25.7 53.1 20.6 53.3 16.1	V 5 2.522 ALPHA 24.3 18.5 12.9 18.9 24.6 23.1 17.2 11.3 12.5	PTH -65.582 11 SCALE 0- 18.41.450 24.42948 16.47015 17.57853 17.68468 18.88802 18.883937 17.56407 17.56407	AZ 15-149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 176.39099 170.42596 166.48043 162.12956	AZS/C -37.4 -47.2 -48.4 -58.6 -65.1 -54.8 -46.6 -38.8 -28.8 -36.5 -48.4 -48.1	AZN 6.2 6.6 4.8 7.7 8.2 8.7 7.4 5.1 4.8 3.2	SEC TO 69.0 AZSUN -84.1 -82.8 -81.0 -84.7 -84.6 -84.8 -81.2 -80.0 -79.7	IMPACT 057 AZA 44-3 42-8 42-7 41-4 40-1 41-5 43-0 44-3 45-6 44-1 42-7 42-8 41-5	ALT 160.52051 A• 8.39659 8.31574 7.84062 8.07695 8.33365 8.57294 8.87538 8.57476 8.30004 8.06142	LAT -9.6 8/A 0.899 0.970 0.938 0.905 0.844 0.878 0.909 0.941 0.970	27 -22  AZPHAZ -93.6 -90.1 -85.1 -85.6 -90.6 -90.6 -90.7 -94.7 -90.1 -85.5 -82.1	INCD 67.6 67.2 66.5 67.1 67.6 67.8 67.9 67.3 66.7 66.5	R 1895.97. PHAZ EMIS 42.8 26.8 47.6 24.6 53.3 16.1 47.9 20.9 42.5 26.2 47.9 29.1 53.3 25.7 53.1 20.6 53.3 16.1 53.8 8.4	V 6 2.522 ALPHA 24.3 18.5 12.9 18.9 24.6 23.1 17.2 11.3 12.5 12.9	PTH -65.582 11 SCALE 0- 18.41450 24.42948 16.47015 17.58468 18.88802 18.83937 17.56407 17.56407 17.56409 16.52408	AZ 15-149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539  2 -11.011 -21.039  3 -10.481 -21.657  4 -10.452 -21.105  5 -10.420 -20.516  6 -10.998 -20.428  7 -11.614 -20.331  8 -11.607 -20.966  9 -11.602 -21.558  10 -11.025 -21.610  11 -10.481 -21.657  12 -10.071 -22.202  13 -10.032 -21.696  14 -9.990 -21.158	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 188.45152 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834	AZS/C -37.4 -47.2 -48.4 -58.6 -65.1 -54.8 -46.6 -38.8 -28.8 -36.5 -48.1 -64.1	AZN 6.2 6.6 4.8 7.7 8.2 8.7 7.1 4.8 3.2 4.6	SEC TO 69. AZSUN -84.1 -82.8 -61.2 -81.0 -80.8 -82.7 -64.7 -84.6 -82.8 -80.0 -79.7 -79.5	IMPACT 057 AZA 44-3 42-8 42-7 41-4 40-1 41-5 43-0 44-3 45-6 44-1 42-7 42-8 41-5 40-2	ALT 160.52051 A. 8.39659 8.31574 7.84062 8.07695 8.33365 8.57476 8.30004 8.57476 8.06142 7.84062 7.29105 7.66094 7.88323	LAT -9.6 8/899 0.909 0.970 0.975 0.876 0.878 0.878 0.971 0.970 0.978 0.978	AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -90.1 -95.6 -94.7 -90.1 -85.5 -82.1 -81.8	INCO 67.6 67.6 67.2 66.5 67.1 67.8 67.9 66.7 66.6 66.5 66.6	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24.6 47-9 20.9 42-5 26.2 42-5 33.3 42-5 33.3 25.7 53.1 20.6 53.3 16.1 53.7 13.3 48.4 18.7	V 6 2.522 ALPHA 24.3 18.5 12.9 24.9 24.9 24.1 17.2 11.3 12.5 6.9 12.9	PTH -65.582 11 SCALE 0- 18.41.450 24.42948 16.47015 17.57853 17.68468 18.88802 18.883937 17.56407 17.56407	AZ 15.149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 161.3026 176.39099 170.42596 166.48043 168.66975 164.52834 168.66975 174.76106	AZS/C -37.4 -47.2 -48.4 -58.6 -54.8 -46.6 -38.8 -28.8 -36.5 -48.4 -46.1 -64.1	AZN 6.2 6.6 4.8 6.3 7.7 8.2 7.1 5.4 5.1 5.4 6.0 7.4	SEC TO 69.  AZSUN -84.1 -82.8 -81.0 -80.8 -82.7 -84.7 -84.6 -82.8 -81.0 -79.7 -79.1	IMPACT 057 AZA 44-3 42-8 41-4 40-1 41-5 43-0 44-3 45-6 44-1 42-8 41-5 40-2 841-5 40-3 841-5	ALT 160.52051 A. 839659 8.31574 7.84062 8.07695 8.33365 8.59294 8.87538 8.57476 8.30004 7.84062 7.29105 7.66094 7.88323 8.12404	LAT -9.6 B/A 0.899 0.909 0.970 0.978 0.905 0.874 0.878 0.909 0.971 0.978 0.978 0.993 0.929	AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.6 -95.1 -94.7 -94.7 -94.7 -81.5 -82.1 -81.5 -80.9	INCD 67.6 67.2 66.5 67.1 67.6 67.8 67.9 67.3 66.7 66.5 66.0 66.4 67.5	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24.6 53-3 16-1 47-9 20.9 42-5 29.3 42-5 33-2 47-9 29.3 42-5 33-2 53-3 16-1 53-3 16-1 58-9 8-4 48-4 48-4 48-4 48-4 48-4 48-4 48-4	V 6 2.522 ALPHA 24.3 18.5 12.9 18.9 24.6 23.1 17.2 11.3 12.5 12.5 12.9 12.7 18.4	PTH -65-582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.83937 17.56407 17.56406 16.52408 20.43848 15.16027 16.07635 17.12920	AZ 15.149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTORY DATA  PHOTO DAYA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.945 -20.586 16 -9.897 -19.973	RANGE 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834 168.66975 174.76106	AZS/C -37.4 -47.2 -48.4 -58.6 -65.1 -54.8 -46.6 -38.8 -28.8 -28.5 -48.4 -48.1 -71.6 -75.8	AZN 6.26 4.8 6.3 7.7 7.1 5.1 4.8 3.2 6.0 7.47	SEC TO 69. AZSUN -84.1 -82.8 -81.2 -81.0 -82.7 -84.6 -84.6 -82.8 -81.2 -80.0 -79.7 -79.5 -79.5 -79.5	IMPACT 057 AZA 44.3 42.8 42.7 41.4 40.1 41.5 43.0 44.3 45.6 44.1 42.7 42.8 44.1 42.7 42.8 43.0 44.3 45.6 44.1 45.6 46.1 46.1 46.1 46.1 46.1 46.1 46.1 46	ALT 160.52051 A=8.39659 8.31574 7.84062 8.07695 8.33365 8.57476 8.87538 8.57476 8.06142 7.84062 7.29105 7.66094 7.88323 8.12404 8.38681	LAT -9.6 B/A 0.899 0.909 0.938 0.938 0.878 0.878 0.941 0.970 0.978 0.973 0.962 0.929	L127 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -94.7 -95.6 -95.6 -95.6 -95.5 -88.7 -90.1 -94.7 -90.1 -81.5 -80.8 -79.9 -78.9	ON .777 INCO 67.6 67.2 66.5 67.1 67.6 67.8 66.7 66.6 66.6 66.6 67.0 66.4	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 47-9 20-9 42-5 26.2 42-5 33.2 42-7 9 29-1 53-3 25-7 53-3 10-1 53-7 13-3 8-4 53-7 13-3 8-4 48-4 18-7 43-2 24-4	V V 2-522  ALPHA 24.3 18.5 12.9 18.9 24.6 23.1 17.2 11.3 12.5 12.9 6.9 12.7 18.5 24.4	PTH -65.582 11 SCALE 0 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.883937 17.56407 17.56096 16.52408 20.43848 15.16027 16.07635 17.12920 18.3517	AZ 15-149 PT-PT 0-1 1-2 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.945 -20.586 16 -9.897 -19.973 17 -10.387 -19.883	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 181.30266 176.39099 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396	AZS/C -37.4 -47.2 -48.4 -58.6 -54.8 -46.6 -38.8 -28.8 -36.5 -48.1 -64.1 -71.6 -75.8 -78.5	AZN 6.2 6.8 6.3 7.7 2 8.7 7.1 4.8 3.2 6.0 7.4 8.7 2	SEC TO 69. AZSUN -84-1 8-82-8 -81-2 -84-6 -82-8 -81-2 -80-9 79.7 -79.5 -79.1 -78.5 -80.5	IMPACT 057 AZA 44.3 42.8 42.7 41.4 40.1 41.5 43.0 44.1 42.7 42.8 41.5 43.0 38.9 37.6	ALT 160.52051 A* 8.39559 8.31574 7.84062 8.07695 8.33365 8.597476 8.87538 8.57476 8.30004 7.84062 7.84062 7.84062 7.84062 8.34660 8.34660 8.34660 8.34660 8.34660 8.34660	LAT -9.6 8/A 0.899 0.909 0.973 0.905 0.844 0.878 0.904 0.971 0.978 0.993 0.993 0.993 0.993 0.993	27 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -94.7 -90.1 -85.5 -82.1 -81.5 -80.8	INCD 67.6 67.2 66.5 67.1 67.8 67.9 67.3 66.7 66.5 66.0 66.6 67.0 67.5 68.1	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 53-3 16-1 47-9 20-9 42-5 26-2 42-5 33-2 47-9 29-3 33-3 25-7 53-1 20-6 53-3 16-1 58-9 8-4 53-7 13-3 48-4 18-7 48-0 30-1 48-0 30-1 37-2 31-7	V 2.522  ALPHA 24.3 18.5 12.9 18.9 24.6 23.1 17.2 11.3 12.5 12.5 12.9 12.7 12.7 13.7 13.9	PTH -65-582 11 SCALE 0- 18-41450 24-42948 16-47015 17-57853 17-68468 18-88802 18-83937 17-56407 17-56406 16-52408 20-43848 15-16027 16-07635 17-12920 18-315178	AZ 15-149 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 11-12 12-13 13-14 14-15 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.32 -21.696 14 -9.990 -21.158 15 -9.945 -20.586 16 -9.897 -19.873 17 -10.387 -19.883 18 -10.984 -19.771	RANGE 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396 183.01396	AZS/C -37.4 -47.2 -48.4 -58.6 -65.1 -54.8 -28.8 -28.8 -36.5 -48.1 -71.6 -71.6 -78.5 -69.5	AZN 2 6 - 2 6 - 2 8 - 7 7 - 2 7 8 - 7 7 5 - 1 8 2 4 - 6 0 7 8 - 7 7 9 - 7 9 - 7 9 - 7	SEC TO 69.0 AZSUN -84.1 -82.8 -81.0 -80.8 -82.8 -82.2 -80.0 -80.8 -82.2 -80.0 -80.8 -81.2 -80.0 -90.7 -79.5 -79.1 -78.8 -80.5 -82.6 -82.5	IMPACT 057 AZA 44-3 42-8 42-7 41-4 40-1 41-5 43-0 44-3 45-6 44-1 42-7 42-8 41-5 40-2 38-9 37-6 38-8 40-2	ALT 160.52051 A-8.39659 8.31574-7 7.84062 8.07695 8.33365 8.57476 8.87538 8.57476 8.3004 8.06142 7.84062 7.84062 7.84063 8.12404 8.36694 8.36694 8.366460 8.366460 8.366460 8.366460 8.366460	B/A 0.899 0.970 0.978 0.975 0.876 0.876 0.878 0.905 0.	L127 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -94.7 -90.1 -85.5 -82.1 -81.5 -80.8 -79.9 -78.9 -78.9	INCO 67.6 67.2 66.5 67.8 67.8 67.9 66.7 66.6 66.6 66.6 66.4 67.5 68.1 68.3	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 42-5 26.2 42-9 29-1 42-5 33.2 47-9 29-1 73-3 25-7 73-1 20-6 73-7 13-3 8-4 8-4 18-7 43-2 24-4 73-2 31-7 37-2 31-7	V 2.522  ALPHA 24.3 18.5 12.9 18.9 24.6 23.1 17.2 11.3 12.5 12.9 6.9 12.7 18.5 24.4 30.1 30.9 30.6	PTH -65.582 11 SCALE 0 18.41450 24.42948 16.47015 17.58468 18.88802 18.88937 17.56496 16.522408 20.43848 15.16027 16.07635 17.12920 18.35178 15.08551 18.39620	AZ 15-149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7-8 8-9 10-11 11-12 12-13 13-14 14-15 16-17 17-18
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.639 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.945 -20.586 16 -9.897 -19.973 17 -10.387 -19.883 18 -10.984 -19.771 19 -11.623 -19.645 20 -12.312 -19.505	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396 185.69605 190.73153 198.11659 208.14508	AZS/C -37.4 -47.4 -58.6 -65.1 -54.8 -28.8 -28.8 -36.5 -48.4 -71.6 -71.6 -75.8 -78.5 -60.4 -52.6	AZN 6.2 6.6 4.8 6.7 7.7 8.7 7.1 5.4 5.8 3.2 6.0 7.4 8.2 6.0 7.7	SEC TO 69.0 AZSUN -84-1 -82-8 -81-2 -81-2 -84-7 -84-6 -82-8 -81-2 -80-0 -79-7 -79-1 -78-8 -82-6 -82-7 -84-7 -84-6 -82-8 -84-7 -88-5 -84-7	IMPACT 057 AZA 44-3 42-8 42-7 41-4 40-1 41-5 43-0 44-3 45-6 44-1 42-7 42-7 42-8 40-2 38-9 37-6 38-8 40-2	ALT 160.52051 A* 8.39659 8.31574 7.84062 8.07695 8.33365 8.59294 8.87538 8.57476 8.30004 7.84062 7.29105 7.66094 7.88323 8.12404 8.38681 8.61460 8.89752 9.20722 9.20722	LAT -9.6 8/A 0.899 0.905 0.975 0.975 0.876 0.878 0.909 0.971 0.979 0.978 0.992 0.978 0.962 0.978 0.962 0.978 0.962 0.978 0.962 0.978	27 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -90.6 -90.1 -94.7 -90.1 -81.5 -80.8 -70.9 -80.9	ON .777 INCO 67.2 66.5 67.1 67.6 67.8 67.9 66.5 66.0 66.4 67.0 66.4 67.0 68.1 68.3 68.4 68.4	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 53-3 16-1 47-9 20-9 42-5 26-2 42-5 29-3 42-5 33-2 47-9 29-1 53-3 25-7 53-1 20-6 53-3 16-1 53-7 13-3 48-4 18-7 48-0 30-1 48-0 30-1 37-2 31-7 36-9 34-4	V 2.522 ALPHA 24.3 18.5 12.9 24.9 24.6 23.1 17.2 11.3 12.5 12.5 12.7 18.7 24.4 30.1 30.9 30.6	PTH -65-582 11 SCALE 0- 18-41450 24-42948 16-47015 17-57853 17-68468 18-88802 18-83937 17-36407 17-36407 17-36407 16-07635 17-12920 18-35178 15-08551 18-39620 19-71152	AZ 15-149 PT-PT 0-1 1-2-3 3-4-5 5-6 6-7 7-8 8-9 10-11 11-12 13-14 14-15 16-17 17-18 18-19
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.461 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.345 -20.586 16 -9.897 -19.973 17 -10.387 -19.883 18 -10.387 -19.883 18 -10.384 -19.771 19 -11.623 -19.645 20 -12.312 -19.655 21 -12.2726 -20.223	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 181.30266 176.39099 170.42596 164.52834 162.12956 164.52834 168.66975 174.76106 183.01396 185.69605 190.73153 198.11659 208.14508	AZS/C -37.4 +47.2 -48.4 -58.4 -54.8 -36.5 -48.4 -65.1 -71.6 -75.8 -71.5 -69.5 -69.5 -69.5	AZN 6.2 6.6 4.8 6.7 7.7 8.7 7.1 5.4 5.8 3.2 6.0 7.4 8.2 6.0 7.7	SEC TO 69.0 AZSUN -84.1 -82.8 -81.0 -80.8 -82.8 -82.2 -80.0 -80.8 -82.2 -80.0 -80.8 -81.2 -80.0 -90.7 -79.5 -79.1 -78.8 -80.5 -82.6 -82.5	IMPACT 057 AZA 44-3 42-8 42-7 41-4 40-1 41-5 43-0 44-3 45-4 41-5 40-2 41-5 40-2 41-5 40-2 41-5 40-2 41-5 40-2	ALT 160.52051 A-8.39659 8.31574-7 7.84062 8.07695 8.33365 8.57476 8.87538 8.57476 8.3004 8.06142 7.84062 7.84062 7.84063 8.12404 8.36694 8.36694 8.366460 8.366460 8.366460 8.366460 8.366460	LAT -9.6 8/A 0.899 0.979 0.975 0.878 0.975 0.878 0.971 0.978 0.978 0.978 0.969 0.969 0.969 0.969 0.969 0.969 0.969 0.969 0.969	L127 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.1 -94.7 -90.1 -85.5 -82.1 -82.1 -82.1 -84.0 -79.9 -78.9 -78.9	INCO 67.6 67.2 66.5 67.1 67.6 67.8 67.9 67.3 66.7 66.0 67.5 68.1 68.4 68.6	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 53-3 16-1 47-9 20.9 42-5 26.2 42-5 33.2 47-9 29.1 53.3 25-7 53.1 20.6 53-7 13.3 48-4 18-7 43-2 24-4 38-0 30-1 37-2 37-8 37-2 37-8 38-2 41-7	V 2.522 ALPHA 24.3 18.5 12.9 24.6 23.1 17.2 11.3 12.5 12.9 24.4 30.1 30.0 20.0	PTH -65.582 11 SCALE 0- 18.41450 24.42948 16.47015 17.58468 18.88802 18.83937 17.56407 17.56406 16.52408 20.43848 15.16027 16.07635 17.12920 18.355178 15.08551 18.39620 19.71152	AZ 5-149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.945 -20.586 16 -9.897 -19.973 17 -10.387 -19.883 18 -10.984 -19.771 19 -11.623 -19.645 20 -12.312 -19.505 21 -12.276 -20.223 22 -12.275 -20.885	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396 190.73153 198.11659 208.14508 197.72831 189.97980	AZS/C -37.4 +47.2 -48.4 -58.6 -65.1 -54.8 -36.5 -48.1 -71.6 -75.5 -69.5 -69.5 -69.5 -69.5	AZN 2 6.6 4.8 6.3 7.7 7.1 4 3.2 4.6 0.7 .4 9.7 10.2 9.7 11.2 9.3 7.5	SEC TO 69.1  AZSUN -84.1 -82.8 -81.0 -80.8 -82.7 -84.6 -84.6 -82.8 -81.2 -80.0 -779.1 -78.8 -80.5 -84.6 -84.6	IMPACT 057 AZA 44.3 42.8 41.4 40.5 43.0 45.6 44.5 44.5 40.2 38.9 37.6 38.9 37.6 40.2 41.5 40.2 41.5 40.2 41.5 40.2 40.2 40.2 40.3	ALT 160.52051 A. 39659 8.31574 7.84062 8.07695 8.33365 8.59294 8.87538 8.57476 8.30004 7.84062 7.29105 7.66094 7.88323 8.12404 8.38681 8.61460 8.89752 9.20722 9.18566 8.857592	LAT -9.6 8/A 0.899 0.970 0.907 0.907 0.907 0.876 0.876 0.971 0.978 0.992 0.992 0.992 0.870 0.878 0.908 0.878 0.878 0.878 0.878	L(27 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -96.6 -90.1 -95.6 -95.1 -94.7 -90.7 -90.7 -81.5 -80.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -79.1 -100.9	INCO 67.6 66.5 66.7 66.7 66.0 66.0 66.0 68.1 68.4 68.8 68.4 68.8 68.1 67.5	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24.6 53-3 16-1 47-9 20.9 42-5 26.2 42-5 33-2 42-5 33-2 47-9 29.3 42-5 33-2 53-3 16-1 53-3 16-1 53-7 13-3 48-4 18-7 38-0 30-1 37-2 37-8 37-2 37-8 38-2 41-7 43-3 37-6 48-6 34-0	V 2-522 ALPHA 3 18.5 12.9 24.6 23.1 12.5 12.9 6.9 12.7 18.5 24.4 30.1 30.6 29.0 20.5	PTH -65-582 11 SCALE 0- 18-41450 24-42948 16-47015 17-57853 17-68468 18-88802 18-83937 17-36407 17-36407 17-36407 16-07635 17-12920 18-35178 15-08551 18-39620 19-71152	AZ 5.149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 20-21
TRAJECTORY DATA  PHOTO DAYA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.58 15 -9.945 -20.586 16 -9.897 -19.883 18 -10.984 -19.771 19 -11.623 -19.645 20 -12.312 -19.505 21 -12.276 -20.23 22 -12.276 -20.288 23 -12.215 -21.501	RANGE 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396 183.01396	AZS/C -37.4 +47.2 -48.4 -58.6 -65.1 -54.8 -36.5 -48.1 -64.1 -71.6 -75.8 -78.5 -69.5 -69.5 -69.5 -40.1 -32.6	AZN 6.2 6.6 4.8 7.7 8.7 7.1 4.8 2 4.6 6.0 4.8 7.7 10.4 11.2 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	SEC TO 69.1  AZSUN -64.1 -62.8 -81.0 -80.8 -82.7 -84.6 -84.6 -82.7 -84.6 -87.7 -84.6 -80.0 -79.7 -79.5 -79.1 -79.6 -82.6 -80.5 -82.6 -80.5 -82.6 -80.5 -82.6 -83.6	IMPACT 057 AZA 44-3 42-8 42-8 41-4 40-1 41-5 43-0 44-1 42-7 42-8 41-5 40-2 38-8 41-5 40-2 38-8 41-6 44-4 44-4 45-7	ALT 160.52051 A. 39659 8.31574 7.84062 8.07695 8.33365 8.57476 8.30142 7.84062 7.84062 7.84062 7.84062 7.84062 7.84062 7.29105 7.66094 8.38681	LAT -9.6 B/A 0.899 0.970 0.935 0.876 0.876 0.878 0.941 0.978 0.998 0.998 0.998 0.998 0.910 0.810	L: 27 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.1 -95.7 -90.1 -85.5 -80.8 -79.9 -80.1 -102.1 -100.9 -100.0 -99.2	ON .777 INCO 67.6 66.5 67.1 67.8 67.9 66.6 66.0 66.3 66.0 67.0 68.1 68.6 68.6 68.1 67.6 66.9	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24.6 47-9 20.9 42-5 26.2 42-2 29.3 42-5 33.2 47-9 29.1 53.3 25.7 53.1 20.6 53.3 16.1 8.4 8.4 18.7 43.2 24.4 73.2 24.4 8.6 34.0 8.6 34.0 8.6 34.0 8.8 37.6 8.8 31.1	V 2 - 5 2 2 AL PHA 2 4 . 3 18 . 5 12 . 9 24 . 6 23 . 1 17 . 2 11 . 3 12 . 5 24 . 4 30 . 9 30 . 6 0 26 . 5 24 . 4 30 . 9 30 . 6 0 26 . 5 14 . 9 2	PTH -65.582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.83937 17.256407 17.256406 16.27636 16.07635 17.12920 18.3518 15.08551 18.39620 19.71152 21.27247 21.27804	AZ 15.149 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 21-22 22-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.945 -20.586 16 -9.897 -19.973 17 -10.387 -19.883 18 -10.984 -19.771 19 -11.623 -19.655 20 -12.312 -19.505 21 -12.276 -20.223 22 -12.245 -20.885 23 -12.219 -21.501	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 161.3026 162.3999 170.42596 164.52834 168.66975 174.76106 183.01396 185.69605 190.73153 198.11659 197.72831 189.97980 184.58470	AZS/C -37.4 -47.2 -48.4 -58.6 -55.1 -54.8 -46.6 -36.5 -48.1 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6	AZN 6.2 6.6 4.8 6.3 7.7 2 8.7 7 5.4 8 3.2 4.6 0 7 -4 7 9.7 2 9.3 5 5 7 10 .2 9 .3 5 .7 3 .9	SEC TO 69.0 AZSUN -84.1 -82.8 -81.0 -80.8 7 -84.6 -82.8 -81.2 -80.7 -79.5 -79.5 -86.5 -86.3 -86.3	IMPACT 057 AZA 44.3 42.8 42.7 41.4 43.0 44.15 43.0 44.6 43.7 42.7 42.7 42.7 42.7 43.8 49.6 40.2 43.8 40.2 43.8 40.2 43.8 40.2 43.8 40.2 43.8 40.2 43.8 40.2 43.8 40.2 43.8 40.2 43.8 40.2 43.8 40.2 40.2 40.3 40.2 40.3 40.2 40.3 40.3 40.3 40.4 40.5 40.5 40.6 40.7	ALT 160.52051 A.* 8.39659 8.31574 7.84062 8.07695 8.333655 8.597476 8.30004 7.84062 7.84062 7.84062 7.84062 7.84062 7.84062 9.18566 8.38881 8.12404 8.12404 8.	LAT -9.6 B/A 0.899 0.997 0.970 0.975 0.874 0.905 0.941 0.978 0.978 0.978 0.929 0.929 0.840 0.840 0.808 0.714 0.808 0.808 0.808 0.808 0.808 0.908	L(27 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -95.6 -95.7 -94.7 -90.1 -85.5 -80.9 -70.9 -70.1 -102.1 -102.1 -100.9 -99.2	ON .777 INCO 67.6 66.7 66.6 67.8 66.7 66.5 66.4 66.5 66.4 68.4 68.8 68.8 68.8 66.5 66.3 66.6 68.8 66.6 68.8 66.6 66.4 67.5 66.6 66.4 67.5 66.6 66.4 67.5 66.6 66.4 66.8 66.8 66.8 66.8 66.8 66.8	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 53-3 16-1 47-9 20-9 42-5 26-2 29-3 42-5 33-2 47-9 29-3 16-1 53-3 16-1 58-9 18-4 48-6 18-7 348-4 18-7 348-4 18-7 348-4 18-7 348-4 18-7 348-4 18-7 348-3 37-6 38-2 41-7 43-3 37-6 53-8 31-1 53-8 31-1	V 2 - 522  ALPHA 24-3 18-5 12-9 18-9 24-6 23-12 11-3 12-9 12-7 18-5 24-4 30-1 30-6 29-0 20-5 14-9 9-2 3-7	PTH -65-582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.83937 17.56407 17.56406 16.52408 15.16027 16.07635 17.12920 18.35178 15.08551 18.39620 19.71152 21.27247 21.27804	AZ 15.149 PT-PT 0-1 1-22-3 3-4-5 5-6-7 7-8 8-9-10 10-11 11-12 11-13 11-14 11-15 11-16 11-17 17-18 11-18 11-19 11-19 11-19 11-22 22-23 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.639 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.32 -21.610 14 -9.990 -21.158 16 -9.997 -19.973 17 -10.387 -19.883 18 -10.984 -19.771 19 -11.623 -19.645 20 -12.312 -19.505 21 -12.212 -20.825 22 -12.2245 -20.885 23 -12.219 -21.501 24 -12.196 -22.113	RANGE 174.97861 166.48043 170.77626 177.10540 181.66347 188.45152 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396 183.01396 189.73153 198.11659 208.14598 197.72831 189.7980 184.58470 184.55479	AZS/C -37.4 +47.2 -48.4 -58.6 -65.1 -54.6 -38.8 -36.5 -48.1 -64.1 -71.6 -75.8 -78.5 -60.4 -52.6 -46.1 -32.6 -32.6 -32.6	AZN 6.2 6.6 6.3 7.7 8.2 8.7.1 5.4 8.3 .2 6.0 7.4 8.7 7.7 10.4 11.3 7.5 7.3 3.7	SEC TO 69.1 AZSUN -62.8 -61.2 -81.0 -80.8 -82.7 -84.6 -84.6 -81.2 -81.0 -79.7 -79.7 -79.1 -78.8 -80.5 -84.7 -86.5 -86.3 -86.5	IMPACT 057  AZA 44-3 44-3 42-8 44-1 41-5 43-0 44-3 45-3 45-3 45-3 45-3 38-8 41-5 38-8 41-6 43-1 44-4 45-7 48-3 46-8	ALT 160.52051 A. 39659 8.31574 7.84062 8.07695 8.33365 8.57476 8.30004 7.84062 7.84062 7.84062 7.84062 7.84062 7.84062 9.20722	LATE -9.6 LATE -	L/27 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.1 -94.7 -90.1 -84.6 -95.1 -94.7 -90.1 -86.5 -80.8 -70.9 -84.0 -90.1 -96.1 -100.9 -100.2 -96.1 -100.9 -100.2 -96.3	DN .777 INCD 67.6 66.5 67.2 66.5 67.3 66.7 66.6 66.4 66.4 68.8 68.8 68.8 68.1 66.3 66.3 66.3 66.3 66.3	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24.6 47-9 20.9 42-5 26.2 42-5 33.3 25.7 53.3 25.7 53.3 25.7 53.3 25.7 53.1 20.6 53.3 16.1 48.4 18.7 43.2 24.4 48.4 18.7 43.2 31.4 43.3 37.6 48.6 34.0 59.0 29.0 29.0 29.0 29.8	V 2 - 5 2 2 4 L PHA 2 4 - 3 1 8 - 5 1 2 - 9 1 8 - 9 2 4 - 6 2 3 - 1 1 7 - 2 1 1 - 3 1 2 - 5 1 2 - 9 1 2 - 7 1	PTH -65.582 11 SCALE 0 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.83937 17.56096 16.52408 15.16027 16.07635 17.12920 18.3517 15.08551 18.39620 19.71152 21.27247 21.27804 19.62690 18.2316 17.05644	AZ 15-149 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 11-12 12-13 13-14 14-15 16-17 17-18 18-19 19-20 20-21 21-22 23-24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.651 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.45 -20.586 16 -9.897 -19.973 17 -10.387 -19.883 18 -10.984 -19.771 19 -11.623 -19.645 20 -12.312 -19.505 21 -12.276 -20.223 22 -12.245 -20.885 23 -12.219 -21.501 24 -11.996 -22.176	RANGE 178.00249 174.97861 166.48043 170.77626 177.10540 181.66347 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396 185.69605 190.73153 198.11659 208.14508 197.72831 189.97980 184.58470 181.5677 173.45549	AZS/C -37.4 -47.2 -48.4 -58.6 -55.1 -54.8 -36.5 -36.5 -48.1 -71.6	AZN 6.2 6.68 6.3 7.7 8.2 8.7 7.5 4.8 3.2 4.6 6.0 7.7 10.4 11.2 7.5 3.9 3.7 3.9	SEC TO 69.0 AZSUN -84.1 -82.8 -81.0 -80.8 82.7 -84.6 -84.6 -82.8 -81.2 -80.0 -79.7 -79.1 -78.8 -80.5 -86.5 -86.5 -86.2 -86.2 -86.2 -86.2 -86.2 -86.2 -86.5 -82.9	IMPACT 057 AZA 44.3 42.8 42.8 40.1 41.5 43.0 44.3 45.6 44.1 42.7 44.3 45.6 44.1 42.7 44.5 40.2 41.5 40.2 41.5 43.8 40.2 41.5 43.8 40.2 41.6 43.1 44.8 45.7 47.6 48.8 48.8 49.8	ALT 160.52051 A.* 8.39659 8.31574 7.84062 8.07695 8.33365 8.59294 8.87538 8.57476 8.30004 7.29105 7.66094 7.88323 7.29105 7.66094 7.88323 8.12404 8.38681 8.61460 8.897522 9.54940 9.18566 8.85792 8.55982 8.55982 8.28426 8.04712 7.826426 8.04712 7.826426 8.04712 7.826426	LATE	L(27 -22  AZPHAZ -93.6 -90.1 -84.6 -90.1 -84.6 -90.1 -94.7 -94.7 -90.1 -85.5 -82.1 -81.5 -80.9 -70.1 -90.1 -90.1 -90.1 -90.1 -90.1 -90.3 -90.3	DN . 777 INCO 67.62 66.52 67.16 67.8 67.8 66.7 66.7 66.7 66.5 66.4 68.8 68.6 68.8 66.9 66.3 66.2 66.2	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 53-3 16-1 47-9 20-9 42-5 26-2 42-5 23-2 42-5 33-2 47-5 23-3 16-1 53-3 16-1 53-3 16-1 53-3 16-1 43-7 13-3 48-4 18-7 73-9 34-4 73-7 13-3 72-2 37-8 83-2 41-7 88-6 33-7 88-6 23-3 81-1 53-8 31-1 58-6 23-3 58-6 23-3 58-6 17-7	V 2 - 5 2 2 ALPHA 24-3 18-5 12-9 18-9 24-6 23-12-11-3 12-5 12-9 12-7 18-5 24-4 30-6 23-6 23-6 24-9 30-6 26-0 514-9 30-6 26-0 514-9 30-6 26-0 514-9 30-7 5-5 6-6	PTH -65-582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.83937 17.56407 17.56409 16.52408 15.16027 16.07635 17.12920 18.35178 15.08551 18.39620 19.71152 21.27247 21.27804 19.62690 18.23916 17.05644 18.14363 17.01741	AZ 15-149 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 15-16 16-17 17-18 18-19 19-20 22-23 22-23 224-25 25-25-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.637 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.610 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.945 -20.586 16 -9.897 -19.973 17 -10.387 -19.883 18 -10.984 -19.771 19 -11.623 -19.645 20 -12.312 -19.505 21 -12.276 -20.223 22 -12.225 -20.885 23 -12.219 -21.501 24 -12.196 -22.173	RANGE 174.97861 166.48043 170.77626 177.10540 181.66347 181.5152 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396 183.01396 190.73153 198.11659 208.14598 197.72831 184.58470 184.5547 184.55647 184.765549 167.76560	AZS/C -37.4 +47.2 -48.4 -58.6 -55.1 -54.6 -38.8 -36.5 -28.8 -36.5 -48.1 -71.6 -75.8 -75.8 -76.5 -60.4 -52.6 -40.1 -32.6 -31.3	AZN 6.2 6 4.8 6.3 7 7.1 5.4 4.8 8.7 9.7 10.4 2 9.7 11.2 9.3 3.7 3.5 3.3 3.3 3.3 3.3 3.3	SEC TO 69.1  AZSUN -62.8 -61.2 -81.0 -80.8 -82.7 -84.6 -84.6 -82.8 -61.2 -79.7 -79.7 -79.1 -79.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8 -80.5 -82.8	IMPACT 057  AZA 44.3 442.8 42.8 41.4 41.5 43.0 44.3 45.6 44.1 42.8 41.5 38.9 37.6 38.8 40.2 41.6 44.7 48.8 45.6 44.6 45.6 44.6 45.6 46.8	ALT 160.52051 A.* 8.39659 8.31574 7.84062 8.07695 8.33365 8.57476 8.306442 7.84062 7.84062 7.84062 7.84062 7.84062 9.20722 9.2	LATE -9.6 LATE -	27 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -85.5 -95.1 -94.7 -90.1 -85.5 -82.1 -81.5 -80.8 -79.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -86.1 -90.1 -90.1 -90.1 -102.1 -100.9 -102.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.3 -90.1 -102.3 -90.1 -102.3 -90.1 -102.3 -90.1 -102.3 -90.3 -90.3	ON . 7777 INCO 67.6 66.7.6 66.7.6 66.7.8 66.7.6 66.7 66.7	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 47-9 20-9 42-5 26.2 42-5 33.2 42-5 33.3 25-7 53.1 20-6 53.3 16-1 53.7 13.3 25-7 43-2 24-4 48-4 18-7 43-2 24-4 37-2 31-7 43-2 31-7 43-2 31-7 43-3 37-6 48-6 34-0 48-6 34-0 58-8 31-1 59-0 29-0 58-8 11-7 58-8 11-7	V V 2-522  ALPHA 24-3 18-5 9 18-9 24-6 12-9 12-5 12-5 12-5 12-5 12-5 24-4 130-9 30-6 29-0 26-0 5 14-9 2 3-7 5 6-6 7-1	PTH -65.582 11  SCALE 0 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.883937 17.56407 17.56096 16.52408 20.43848 15.16027 16.07635 17.12920 18.35178 15.08551 18.39620 19.71152 21.27247 21.27804 19.62690 18.3518 17.05644	AZ 5.149 PT-PT 0-11-23 3-4-5 5-6-7 7-8 8-9-10 10-11 11-13 11-13 11-15-16 16-17 17-18 18-19 19-20 22-23 23-25 22-25 22-25 22-25 22-25 22-25 22-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.653 -20.539 2 -11.011 -21.039 3 -10.481 -21.657 4 -10.452 -21.105 5 -10.420 -20.516 6 -10.998 -20.428 7 -11.614 -20.331 8 -11.607 -20.966 9 -11.602 -21.558 10 -11.025 -21.651 11 -10.481 -21.657 12 -10.071 -22.202 13 -10.032 -21.696 14 -9.990 -21.158 15 -9.45 -20.586 16 -9.897 -19.973 17 -10.387 -19.883 18 -10.984 -19.771 19 -11.623 -19.645 20 -12.312 -19.505 21 -12.276 -20.223 22 -12.245 -20.885 23 -12.219 -21.501 24 -11.996 -22.176	RANGE 174.97861 166.48043 170.77626 177.10540 181.66347 181.5152 181.30266 176.39099 170.42596 166.48043 162.12956 164.52834 168.66975 174.76106 183.01396 183.01396 190.73153 198.11659 208.14598 197.72831 184.58470 184.5547 184.55647 184.765549 167.76560	AZS/C -37.4 +47.2 -48.4 -58.6 -55.1 -54.6 -38.8 -36.5 -28.8 -36.5 -48.1 -71.6 -75.8 -75.8 -76.5 -60.4 -52.6 -40.1 -32.6 -31.3	AZN 6.2 6 4.8 6.3 7 7.1 5.4 4.8 8.7 9.7 10.4 2 9.7 11.2 9.3 3.7 3.5 3.3 3.3 3.3 3.3 3.3	SEC TO 69.0 AZSUN -84.1 -82.8 -81.0 -80.8 82.7 -84.6 -84.6 -82.8 -81.2 -80.0 -79.7 -79.1 -78.8 -80.5 -86.5 -86.5 -86.2 -86.2 -86.2 -86.2 -86.2 -86.2 -86.5 -82.9	IMPACT 057  AZA 44.3 442.8 42.8 41.4 41.5 43.0 44.3 45.6 44.1 42.8 41.5 38.9 37.6 38.8 40.2 41.6 44.7 48.8 45.6 44.6 45.6 44.6 45.6 46.8	ALT 160.52051 A.* 8.39659 8.31574 7.84062 8.07695 8.33365 8.59294 8.87538 8.57476 8.30004 7.29105 7.66094 7.88323 7.29105 7.66094 7.88323 8.12404 8.38681 8.61460 8.897522 9.54940 9.18566 8.85792 8.55982 8.55982 8.28426 8.04712 7.826426 8.04712 7.826426 8.04712 7.826426	LATE -9.6 LATE -	27 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -85.5 -95.1 -94.7 -90.1 -85.5 -82.1 -81.5 -80.8 -79.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -78.9 -86.1 -90.1 -90.1 -90.1 -102.1 -100.9 -102.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.1 -102.3 -90.1 -102.3 -90.1 -102.3 -90.1 -102.3 -90.1 -102.3 -90.1 -102.3 -90.3 -90.3	ON . 7777 INCO 67.6 66.7.6 66.7.6 66.7.8 66.7.6 66.7 66.7	R 1895-97. PHAZ EMIS 42-8 26.8 47-6 24-6 53-3 16-1 47-9 20-9 42-5 26-2 42-5 23-2 42-5 33-2 47-5 23-3 16-1 53-3 16-1 53-3 16-1 53-3 16-1 43-7 13-3 48-4 18-7 73-9 34-4 73-7 13-3 72-2 37-8 83-2 41-7 88-6 33-7 88-6 23-3 81-1 53-8 31-1 58-6 23-3 58-6 23-3 58-6 17-7	V V 2-522  ALPHA 24-3 18-5 9 18-9 24-6 12-9 12-5 12-5 12-5 12-5 12-5 24-4 130-9 30-6 29-0 26-0 5 14-9 2 3-7 5 6-6 7-1	PTH -65-582 11 SCALE 0. 18.41450 24.42948 16.47015 17.57853 17.68468 18.88802 18.83937 17.56407 17.56409 16.52408 15.16027 16.07635 17.12920 18.35178 15.08551 18.39620 19.71152 21.27247 21.27804 19.62690 18.23916 17.05644 18.14363 17.01741	AZ 5.149 PT-PT 0-11-23 3-4-5 5-6-7 7-8 8-9-10 10-11 11-13 11-13 11-15-16 16-17 17-18 18-19 19-20 22-23 23-25 22-25 22-25 22-25 22-25 22-25 22-25

RA-VII CAMERA FA

					RA-VII	CAMERA	FA								94
JULY 31,1964	13 HR	24 MIN 44 :	SEC 862	MS	1	TAB NO	187	ATL	AS PHOTO	NO	187		POD S	EQUENCE NO	380
TRAJECTORY DA	TA				SEC TO	IMPACT	ALT	LAT	LC	N	100	R	V 2 5 2 B	PTH A	. 123
PHOTU DATA						72.1	140-13306								
PT LAT LI	ON	RANGE	AZS/C		AZSUN	AZA	A+	B/A	AZPHAZ	INCD	PHAZ	EMIS	AL PHA		0-1
1 -10.650 -20 2 -10.986 -21	-045 -003	164.97638	-47.2	6.2	-84.1 -82.8	44.2 42.8	7.71122		-93.6 -90.1					16.99489	1- 2
3 -10.494 -21	.577	154.36218	-48.5	4.8	-81.2	42.6	7.26989					16.2	13.0	22.65805	2- 3
4 -10 467 -21	.065	158.36043	-58.6	. 6.3	-81.0	41,4	7,,48973.	0.938	-85.1	67.1	47.9	20.9	18.9	15.27588	3- 4 4- 5
5 -10.438 -20		164.23328	-65.1 -54.8	7.8 8.2	-80.8 -82.7	40.2 41.5	7.72795 7.96841				42.5		24.9 24.6	16.30207	5-6
6 -10.973 -20 7 -11.544 -20			-46.6	8.7	-84.7	42.9	8.22956				42.5		23.1	17.50879	ō- ī
8 -11.538 -20	-936	168.10998	-38.9	7.0	-84.6	44.1	7.95080		-95.1	67.3	47.9	29.0	17.2		7- 8
9 -11.533 -21	.485	163.54153	-29.Ū	5.4	-84.6	45.3	7.69541		-94.7			25.7		16.28931 16.27857	
10 -10.998 -21	•533	158.02194	-36.7 -48.5	5.1 4.8	-82.9 -81.2	44.0 42.6	7.47470 7.26989	0.940	-90.1 -85.5	66.6	53.1 53.3	16.2	12.6	15.32174	10-11
11 -10.494 -21 12 -10.114 -22	-083	154.36218	-48.3	3.2		42.8	6.76100	0.978			58.9		7.1	18.95555	11-12
13 -10.078 -21	-613	152.54288	-64.0	4.6	-79.7	41.5	7.10285	0.993			53.7		12.7	14.05842	
14 -10.039 -21	.114		-71.5	6.0		40.3	7.30961		-80.8	67.0	48.4	18.8	18.5	14.90962	
15 -9.997 -20 16 -9.952 -20	.583	162.04923	-75.7 -78.3	7.4 8.8		39.0 37.8	7.53309 7.77629		-79.9 -78.9	68 1	38.0	24.4 30.1	30-1	17.01196	15-16
17 -10-406 -19	-932	172.18828	-69.4	9.2		38.9	7.98797		-84.0	68.2	37.2	31.6	30.8	13.98955	16-17
18 -10.960 -19		176.85505	-60.3	9.7	-82.6	40.3	8.25021	0.841	-90.1	68.4	36.9	34.3	30.5	17.05721	
19 -11.552 -19		183.68149	-52.6	10.4	-84.7		8.53639	0.809	-96-1			37.7		18.26859	
20 -12.190 -19			-46.2 -40.2	9.3	-87.0 -86.7				-102.0 -100.9	68.7	43.3	37.5	26.0	19.71094	20-21
21 -12 - 158 - 20 22 - 12 - 129 - 20			-32.7	7.5	-86.5						48.6		14.9	18.19357	21-22
23 -12.105 -21		171.11017	-23.9	5.7	-86.4	46.7	7.93494	0.877	-99.2	66.9	53.8	31.0	9.3	16.91198	
24 -12.083 -21	.965		-13.6	3.9	-86.2	47.9	7.68041		-98.6		59.0		3.8	15.81504	
25 -11.529 -21 26 -11.010 -22	.999	155.53078	-16.9 -22.1	3.7 3.5	-84.6 -82.9	46.5 45.2	7.45976 7.25570		-94.3 -90.1		58.6 58.4		5.6 6.7	15.77228	
27 -10.519 -22		152.03536	-31.7	3.4	-81.3	43.9	7.06575		-85.8	66.1	58.5	12.4	7.2	14.87376	
		150.29640	-48.3	3.2	-80.0	42.8	6.76100			66.1	58.9	8.6	7.1	12.29641	27-28
										NO	100		000	PEOLIENCE NO	202
JULY 31,1964	13 HR	24 MIN 49	SEC 982	MS		TAB NO	188	ATL	AS PHOTO	NO	188		POD S	SEQUENCE NO	382
JULY 31,1964 TRAJECTORY DA		24 MIN 49	SEC 982	MS	SEC TO	IMPACT	188 ALT	LA	AS PHOTO	DN .		R	v	PTH .	AZ
TRAJECTORY DA		24 MIN 49	SEC 982	MS	SEC TO		188	LA	AS PHOTO	DN .			v	•	AZ
TRAJECTORY DA	TA				SEC 10 58.	IMPACT	ALT 136.9648	LA 0 -9.	AS PHOTO T L' 766 -22	ON •477	18	72.420	v 2.535	PTH -65.386 11	AZ
TRAJECTORY DA PHOTO DATA PT LAT L	TA On	RANGE	AZS/C	MS AZN 6.2	SEC TO	IMPACT 817	188 ALT	LA 0 -9. 8/A	AS PHOTO T LI 766 -22	0N •477 INCD	18	72.420 EMIS	v 2.535	PTH -65.386 11 SCALE	AZ 5.096 PT-PT 0- 1
TRAJECTORY DA  PHOTO DATA  PT LAT L  1 -10.647 -20  2 -10.959 -20	TA ON •552 •967	RANGE 151.92366 149.50627	AZS/C ~37.7 ~47.3	AZN 6.2 6.7	SEC TO 58. AZSUN -84.2 -82.8	IMPACT 817 AZA 44.0 42.7	ALT 136.9648 A• 7.17338 7.10518	LA 0 -9. 8/A 0.899 0.909	AS PHOTO  T LI  766 -22  AZPHAZ -93.6 -90.1	ON •477 INCD 67.6 67.3	18 PHAZ 42.9 47.6	72.420 EMIS 26.7 24.6	V 2.535 ALPHA 24.2 18.6	PTH -65.386 11 SCALE 0. 15.57094	AZ 5.096 PT-PT 0- 1 1- 2
TRAJECTORY DA  PHOTO DATA  PT LAT L  1 -10.647 -20  2 -10.959 -20  3 -10.506 -21	TA ON •552 •967 •496	RANGE 151.92366 149.50627 142.21387	AZS/C ~37.7 ~47.3 ~48.6	AZN 6.2 6.7 4.9	SEC TO 58.  AZSUN -84.2 -82.8 -81.2	IMPACT 817 AZA 44.0 42.7 42.6	ALT 136.9648 A. 7.17338 7.10518 6.69775	LA 0 -9. 8/A 0.899 0.909	AS PHOTO T L 766 -22 AZPHAZ -93.6 -90.1 -85.5	ON .477 INCD 67.6 67.3 66.7	18 PHAZ 42.9 47.6 53.3	72.420 EMIS 26.7 24.6 16.2	V 2.535 ALPHA 24.2 18.6 13.1	PTH -65.386 11 SCALE 0. 15.57094 20.88203	AZ 5.096 PT-PT 0- 1 1- 2 2- 3
TRAJECTORY DA  PHOTO DATA  PT LAT L 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21	TA ON .552 .967 .496	RANGE 151.92366 149.50627 142.21387 145.91302	AZS/C ~37.7 ~47.3 ~48.6 ~58.6	AZN 6.2 6.7 4.9 6.3	SEC TO 58.  AZSUN -84.2 -82.8 -81.2 -81.0	IMPACT .817 AZA 44.0 42.7 42.6 41.4	ALT 136.9648 A. 7.17338 7.10518 6.69775 6.90101	LA 0 -9. 8/A 0.899 0.909 0.969	AS PHOTO  T L'  766 -22  AZPHAZ  -93.6  -90.1  -85.5  -85.1	ON .477 INCD 67.6 67.3 66.7 67.1	18 PHAZ 42.9 47.6 53.3 47.9	72.420 EMIS 26.7 24.6 16.2 21.0	V 2.535 ALPHA 24.2 18.6 13.1 19.0	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845	AZ 5.096 PT-PT 0- 1 1- 2
TRAJECTORY DA PHOTO DATA PT LAT L 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.454 -20	ON •552 •967 •496 •024	RANGE 151.92366 149.50627 142.21387 145.91302	AZS/C ~37.7 ~47.3 ~48.6 ~58.6 ~65.0	AZN 6.2 6.7 4.9	SEC TO 58.  AZSUN -84.2 -82.8 -81.2	IMPACT .817 AZA 44.0 42.7 42.6 41.4	ALT 136.9648 A. 7.17338 7.10518 6.69775	LA 0 -9. 8/A 0.899 0.909 0.969 0.938	AS PHOTO  T L' 766 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6	INCD 67.6 67.3 66.7 67.1 67.6	18° PHAZ 42.9 47.6 53.3 47.9 42.5 42.5	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.11118	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
TRAJECTORY DA  PHOTO DATA  PT LAT  1 -10.647 -20  2 -10.959 -20  3 -10.506 -21  4 -10.481 -21  5 -10.454 -20  6 -10.948 -20  7 -11.474 -20	ON .552 .967 .496 .024 .521 .445	RANGE 151.92366 149.50627 142.21387 145.91302 151.32965 155.22513 160.99655	AZS/C ~37.7 ~47.3 ~48.6 ~58.6 ~65.0 ~54.8 ~46.7	AZN 6.2 6.7 4.9 6.3 7.8 8.2 8.7	SEC TO 58.  AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -82.7 -84.7	IMPACT 817 AZA 44.0 42.7 42.6 41.4 40.2 41.5 42.8	ALT 136.9648 7.17338 7.10518 6.69775 6.90101 7.12077 7.34237 7.58235	LA 0 -9. 8/A 0.899 0.909 0.938 0.905 0.876	AS PHOTO  T L' 766 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1	ON .477 INCD 67.6 67.3 66.7 67.1 67.6 67.8	18 PHAZ 42.9 47.6 53.3 47.9 42.5 42.2 42.5	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 15-11118 16-12748	AZ 5.096 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DA  PHOTO DATA  PT LAT L  1 -10.647 -20  2 -10.959 -20  3 -10.506 -21  4 -10.481 -21  5 -10.454 -20  6 -10.948 -20  7 -11.474 -20  8 -11.468 -20	ON .552 .967 .496 .024 .521 .445 .363	RANGE 151.92366 149.50627 142.21387 145.91302 151.32965 155.22513 160.99655	AZS/C ~37.7 ~47.3 ~48.6 ~58.6 ~65.0 ~54.8 ~46.7 ~39.0	AZN 6.2 6.7 4.9 6.3 7.8 8.2 8.7	SEC TO 58.  AZSUN -84.2 -82.8 -81.0 -80.7 -82.7 -84.7	IMPACT 817 AZA 44.0 42.7 42.6 41.4 40.2 41.5 42.8 44.0	ALT 136.9648 A* 7.17338 6.69775 6.90101 7.12077 7.34237 7.58235 7.32539	B/A 0.899 0.909 0.938 0.905 0.876 0.876	AS PHOTO T L 766 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.6	ON .477 INCD 67.6 67.3 66.7 67.1 67.6 67.8	18' PHAZ 42.9 47.6 53.3 47.9 42.5 42.5 47.9	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.0	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.11118 16.12748 16.09559	AZ 5.096 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
TRAJECTORY DA  PHOTO DATA  PT LAT L  1 -10.647 -20  2 -10.959 -20  3 -10.506 -21  4 -10.481 -21  5 -10.454 -20  6 -10.948 -20  7 -11.474 -20  8 -11.464 -21  9 -11.464 -20	ON .552 .967 .496 .024 .521 .445 .363 .905	RANGE 151.92366 149.50627 142.21387 145.91302 151.32965 155.22513 160.99655 154.88655 150.66253	AZS/C ~37.7 ~47.3 ~48.6 ~58.6 ~65.0 ~54.8 ~46.7 ~39.0 ~29.3	AZN 6.2 6.7 4.9 6.3 7.8 8.2 8.7 7.0	SEC TO 58.  AZSUN -84.2 -82.8 -81.2 -82.7 -84.7 -84.7 -84.7	IMPACT 817 AZA 44.0 42.7 42.6 41.4 40.2 41.5 42.8 44.0 45.1	ALT 136.9648 A. 7.17338 7.10518 6.69775 6.90101 7.12077 7.34237 7.56235 7.32539 7.08938	LA 0 -9. 8/A 0.899 0.909 0.969 0.938 0.905 0.876 0.876 0.879	AS PHOTO  T	INCD 67.6 67.3 66.7 67.1 67.6 67.8 67.9 67.4	18 PHAZ 42.9 47.6 53.3 47.9 42.5 42.5 47.9 53.3	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.0 25.6	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 15-11118 16-12748	AZ 5.096 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9
TRAJECTORY DA  PHOTO DATA  PT LAT  1 -10.647 -20  2 -10.959 -20  3 -10.506 -21  4 -10.481 -21  5 -10.454 -20  6 -10.948 -20  7 -11.464 -20  9 -11.464 -21  10 -10.971 -21	ON .552 .967 .496 .024 .521 .445 .363 .411 .411	RANGE 151.92366 149.50627 142.21387 145.91302 151.32965 155.22513 160.99655	AZS/C ~37.7 ~47.3 ~48.6 ~58.6 ~65.0 ~54.8 ~46.7 ~39.0	AZN 6.2 6.7 4.9 6.3 7.8 8.2 8.7	SEC TO 58.  AZSUN -84.2 -82.8 -81.0 -80.7 -82.7 -84.7	IMPACT 817 AZA 44.0 42.7 42.6 41.4 40.2 41.5 42.8 44.0 45.1 43.8	ALT 136.9648: A• 7.17338 7.10518 6.69775 6.90101 7.12077 7.34237 7.32539 7.08938 6.88652	8/A 0.899 0.909 0.969 0.965 0.876 0.876 0.879 0.910 0.969	AS PHOTO  T L'  766 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -94.7 -90.1 -85.5	INC D 67.6 67.6 67.1 67.6 67.8 67.9 67.9 66.9	18' PHAZ 42.9 47.6 53.3 47.9 42.5 42.2 42.5 53.3 53.3	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.6 20.6 16.2	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.11118 16.12748 16.09559 15.01151 14.99362 14.11641	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10
PHOTO DATA PT LAT 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.454 -20 6 -10.948 -20 7 -11.474 -20 8 -11.468 -20 9 -11.466 -21 10 -10.971 -21 11 -10.506 -21 12 -10.157 -21	ON .552 .967 .496 .024 .521 .445 .363 .905 .411 .456 .962	RANGE 151.92366 149.50627 142.21387 145.91302 151.32965 155.22513 160.99655 154.88655 154.66253 145.58729 142.21387	AZS/C -37.7 -47.3 -48.6 -55.0 -54.8 -46.7 -39.0 -29.3 -36.9 -48.6	AZN 6.2 6.7 4.9 6.3 7.8 8.2 8.7 7.0 5.4 5.1	SEC TO 588  AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -84.7	IMPACT 817  AZA 44.0  42.7  42.6  41.5  42.8  42.8  42.8  42.6	ALT 136.9648 A- 7.17338 7.10518 6.69775 6.90101 7.12077 7.34237 7.32539 7.08938 6.88652 6.69775 6.22957	8/A 0.909 0.909 0.938 0.905 0.876 0.876 0.879 0.910 0.969 0.979	AS PHOTO  T L' 766 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1	INCD 67.6 67.3 66.7 67.1 67.6 67.8 67.9 67.4 66.9 66.7	18' PHAZ 42.9 47.6 53.3 47.9 42.5 47.9 53.3 53.1 53.3	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.0 25.6 16.2	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7 13.1 7.2	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 15-11118 16-12748 16-12748 16-12748 14-99362 14-11641 17-46852	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10
PHOTO DATA PT LAT 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.494 -20 7 -11.474 -20 8 -11.464 -21 10 -10.971 -21 11 -10.506 -21 12 -10.157 -21 13 -13.123 -21	ON .552 .967 .496 .521 .445 .305 .411 .455 .496 .962	RANGE 151. 92366 149.50627 145. 91302 145. 91302 151. 32965 155. 22513 160. 99655 150. 66253 145. 58729 142. 21387 138. 43713	AZS/C -37.7 -47.3 -48.6 -58.6 -65.0 -54.8 -46.7 -39.0 -29.3 -36.9 -48.6 -63.9	AZN 6.2 6.7 4.9 6.3 7.8 8.7 7.0 5.4 5.1 4.9	SEC 10 58. AZSUN -84.2 -82.8 -81.2 -82.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -87.7 -	IMPACT 817  AZA 44.0 42.7 42.6 41.5 42.8 44.0 45.1 43.8 42.6 42.7 41.5	ALT 136.9648: A• 7.17338 7.10518 6.90101 7.12077 7.34237 7.58235 7.32539 7.08938 6.88652 6.69775 6.22957	LA 0 -9. 8/A 0.8/9 0.909 0.969 0.905 0.876 0.876 0.879 0.910 0.940 0.940 0.979	AS PHOTO  T L' 766 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.1 -94.7 -90.1 -95.5 -95.1 -94.7 -90.1 -95.1 -94.7	INCD 67.6 67.3 66.7 67.1 67.6 67.8 67.9 67.4 66.9 66.6 66.6	18 PHAZ 42.9 47.9 47.9 42.5 42.2 42.5 53.3 53.1 53.3 58.3	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.0 25.6 20.6 16.2	V 2.535  ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7 13.1 7.2 12.8	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 16.12748 16.09559 15.01151 14.99362 14.11641 17.46852 12.95374	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
PHOTO DATA PT LAT L 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.484 -21 5 -10.454 -20 6 -10.948 -20 7 -11.464 -21 10 -10.971 -21 11 -10.506 -21 12 -10.157 -21 13 -10.123 -21	ON .552 .967 .496 .521 .445 .363 .961 .455 .496 .962 .962 .970	RANGE 151.92366 149.50627 149.21387 145.91302 151.32965 155.22513 160.99655 154.88655 150.66253 145.58729 142.21387 143.43713 140.52883	AZS/C +37.7 -47.3 -68.6 -58.6 -55.0 -54.7 -39.0 -20.3 -36.9 -48.5 -68.9 -71.3	AZN 6.2 6.7 4.9 7.8 8.2 8.7 7.0 5.1 4.9 3.3 4.7	AZSUN -84-2 -82-8 -81-0 -80-7 -84-7 -84-7 -84-7 -84-7 -84-7 -82-8 -80-0 -79-7	IMPACT 817 AZA 44.0 42.7 42.6 41.4 40.2 41.5 42.6 42.7 41.5 42.6 42.7 41.5	ALT 136.9648; A+ 7.17338 7.10518 6.69775 6.90101 7.12077 7.34237 7.56235 7.32539 7.08938 6.88652 6.69775 6.22957 6.53342	LA 0 -9. 8/A 0.899 0.909 0.969 0.905 0.876 0.876 0.879 0.940 0.940 0.969 0.969	T 1766 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.1 -94.7 -90.1 -85.5 -82.1 -81.5	INC D 67.6 67.6 67.3 67.1 67.8 67.8 67.9 66.9 66.9 66.2 66.2	18 PHAZ 42.9 47.6 53.3 47.9 42.5 42.5 47.9 53.3 53.1 53.3 58.7 48.4	72.420 EMIS 26.7 26.6 16.2 21.0 26.2 29.3 33.1 29.0 25.6 20.6 16.2 18.7 18.8	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.6 23.1 17.3 11.5 12.7 13.1 7.2 12.8 18.6	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 15-11118 16-12748 16-12748 16-12748 14-99362 14-11641 17-46852	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 13-14
PHOTO DATA PT LAT 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.494 -20 7 -11.474 -20 8 -11.468 -20 9 -11.468 -20 9 -11.464 -21 10 -10.971 -21 11 -10.506 -21 12 -10.157 -21 13 -15.123 -21 14 -10.087 -21	ON .5552 .967 .496 .024 .521 .4363 .905 .411 .456 .962 .529 .529 .581	RANGE 151.192366 149.50627 142.21387 145.91302 151.32965 155.22513 160.99655 154.88655 154.84655 145.58729 142.21387 138.43713 140.52883 144.09452 149.30745	AZS/C -37.7 -47.3 -48.6 -58.6 -65.0 -54.8 -46.7 -39.0 -29.3 -36.9 -48.6 -63.9	AZN 6.2 6.7 4.9 6.3 7.8 8.7 7.0 5.4 5.1 4.7 6.1	SEC 10 58. AZSUN -84.2 -82.8 -81.2 -82.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -87.7 -	IMPACT 817 AZA 44.0 42.6 41.4 40.5 42.8 44.0 45.1 43.8 42.6 45.1 43.8 42.6 45.1 43.8 42.6 45.1 45.1 45.1 45.1 45.1 45.1 45.1 45.1	ALT 136.9648: A• 7.17338 7.10518 6.90101 7.12077 7.34237 7.58235 7.32539 7.08938 6.88652 6.69775 6.22957	LA 0 -9. 8/A 0.899 0.909 0.938 0.905 0.876 0.879 0.910 0.949 0.979 0.969 0.969	AS PHOTO  T L' 166 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -84.6 -90.1 -95.0 -95.1 -94.7 -90.1 -85.5 -80.0 -90.0	ON .477 INC D 67.6 67.3 66.7 1 67.6 67.9 67.9 66.8 66.7 66.2 66.6 67.5	18 PHAZ 42.9 47.9 53.3 47.9 42.5 42.5 47.9 53.3 53.3 53.3 53.3 53.3 43.2	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.0 25.6 20.6 16.2	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7 13.1 7.2 12.8 18.6 24.4	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.1118 16.12748 16.09559 15.01151 14.99362 14.11641 17.46852 12.95374 13.73990 14.63711 15.67072	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 13-14 14-15
PHOTO DATA PT LAT 1 1-10.647 -20 2-10.959 -20 3-10.506 -21 4-10.481 -21 5-10.454 -20 6-10.948 -20 7-11.474 -20 8-11.468 -20 9-11.464 -21 10-10.971 -21 11-10.506 -21 12-10.157 -21 13-10.123 -21 14-10.087 -21 15-10.048 -20 16-10.007 -20 17-10.426 -19	ON .552 .496 .024 .521 .445 .445 .445 .455 .496 .962 .070 .581 .058	RANGE 151-92366 149-50627 142-21387 145-91302 151-32965 155-22513 160-99655 150-66253 145-58729 142-21387 138-43713 140-52883 144-09452 149-30745 156-34174	AZS/C -37.7 -47.3 -48.6 -58.6 -55.0 -54.8 -46.7 -39.0 -29.3 -36.9 -48.5 -63.9 -71.3 -75.5 -78.2	AZN 6.2 6.7 6.3 7.8 2 8.7 7.0 5.1 4.9 3.3 4.7 6.1 7.4 8.8	SEC TO 58.  AZSUN -84-2 -82-8 -81-2 -81-0 -7-84-7 -84-7 -84-7 -84-7 -79-1 -78-7 -80-	IMPACT 817 AZA 44.0 42.6 41.4 41.5 42.8 44.0 45.1 43.8 44.0 35.1 37.0 39.1 37.0	ALT 136.9648: A+ 7.17338 7.10518 6.69775 6.90101 7.12077 7.54237 7.32539 7.08938 6.88552 6.69757 6.2957 6.73459 6.73459	LA 0 -9. 8/A 0.899 0.969 0.969 0.979 0.879 0.879 0.969 0.969 0.969 0.969 0.969 0.969 0.969 0.969	T L'1766 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -90.1 -95.6 -90.1 -95.6 -97.6 -97.8 -97.8	ON .477 INC D 67.6 67.3 66.7 67.1 67.6 67.9 66.8 66.7 66.2 66.6 67.1 67.5 68.1 68.1	18 PHAZ 42.9 47.6 53.3 47.9 42.5 42.2 42.5 53.3 53.1 53.3 58.9 43.2 38.0 37.0	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.0 20.6 16.2 13.4 18.8 24.4 30.6 31.6	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7 13.1 7.2 12.8 6 24.4 30.0 30.0	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 16-112748 16-09559 15-01151 14-99362 14-11641 17-46852 12-95374 13-73990 14-63711 15-67072 12-89095	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 11-12 12-13 14-15 15-16
PHOTO DATA PT LAT L 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.454 -20 6 -10.494 -20 7 -11.474 -20 8 -11.464 -21 10 -10.971 -21 11 -10.506 -21 12 -10.157 -21 13 -10.123 -21 14 -10.087 -21 15 -10.048 -20 17 -10.426 -19 18 -10.936 -19	ON .5552 .967 .496 .024 .363 .445 .365 .411 .455 .962 .529 .529 .581 .057 .980 .884	RANGE 151-92366 149-50627 142-21387 145-91302 151-32963 155-2251 360-99655 154-88655 145-58729 142-21387 138-43713 140-52883 144-09452 149-30745 156-34174 158-65129	AZS/C -37.7 -47.3 -48.6 -58.6 -65.0 -54.8 -65.9 -29.3 -36.9 -48.6 -48.5 -63.9 -71.3 -75.5 -78.2 -69.3	AZN 6.7 4.9 6.3 8.2 8.7 7.4 5.1 4.3 4.7 6.14 8.8 9.2	SEC TO 58.8  AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -84.7 -84.7 -84.7 -84.7 -79.1 -79.4 -79.1 -78.7 -80.5	IMPACT 817 AZA 44.07 42.6 41.4 40.2 41.5 44.0 45.1 43.8 42.6 41.5 40.3 39.1 37.9 39.0 40.3	ALT 136.9648: A+ 7.17338 7.10518 6.99775 6.90101 7.12077 7.34237 7.56235 7.32539 7.08938 6.88652 6.6975 6.5342 6.73459 6.73459 7.35998	LA 0 -9. 8/A 0.899 0.969 0.938 0.905 0.846 0.910 0.940 0.979 0.962 0.962 0.871 0.845	T L' 1766 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95.1 -95.6 -95	ON .477 INCD 67.3 66.7 67.1 67.6 67.8 67.9 67.4 66.8 66.7 66.1 67.5 68.1	18 PHAZ9 47.6 53.3 47.9 42.5 42.5 42.5 53.3 53.1 53.3 53.7 43.2 38.0 37.2	72.420 EMIS 26-7 24.6 16-2 21.0 26-2 29.3 33.1 29.0 25.6 16-2 8.7 13.4 30.1 31.6 34.2	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.6 23.1 17.3 11.5 12.7 13.1 7.2 12.8 18.6 24.4 30.0 30.8 30.8	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.11118 16.12748 16.09559 15.01151 14.99362 14.11641 17.46852 12.95374 13.73990 14.63711 15.67072 12.89095 15.11579	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17
PHOTO DATA PT LAT L 1-10.647 -20 2-10.959 -20 3-10.506 -21 4-10.481 -21 5-10.454 -20 6-10.948 -20 7-11.474 -20 9-11.464 -21 10-10-971 -21 11-10.506 -21 12-10.157 -21 13-13.423 -21 14-10.048 -20 16-10.048 -20 16-10.048 -20	ON .5552 .967 .4967 .521 .4453 .905 .4415 .496 .9629 .070 .581 .980 .884 .778	RANGE 151-92366 149-50627 142-21387 145-91302 151-32965 155-22513 160-99655 150-66253 145-58729 142-21387 145-58729 142-21387 146-52883 144-09452 149-30745 156-34174 158-65129 162-94961	AZS/C -37.7 -47.3 -48.6 -58.6 -65.0 -54.8 -46.7 -39.0 -29.3 -36.6 -48.5 -48.5 -75.5 -78.5 -78.5	AZN 6.27 4.9 6.3 7.8 8.2 8.7 7.0 5.1 4.9 3.3 4.7 6.1 7.8 8.8 9.2	SEC TO 58.  AZSUN 2 -82.82.82.82.82.82.83.92.7 -84.7 -84.7 -84.7 -84.7 -79.1 -79.7 -79.4 -79.7 -84.7 -82.8 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -84.7 -82.6 -84.7 -82.6 -84.7 -84.7 -82.6 -82.6 -84.7 -82.6 -82.6 -82.6 -82.6 -82.6 -84.7 -82.6 -	IMPACT. 817 AZA 44.0 42.7 42.6 40.2 41.5 42.8 44.0 45.1 43.8 42.7 41.5 39.1 37.9 40.3 39.1 37.9 40.3	ALT 136.9648: A+ 7.17338 7.10518 6.69775 6.90101 7.12077 7.54235 7.32539 7.08938 6.88552 6.69775 6.22957 6.73459 6.73459 7.16449 7.35998 7.60154	8/A 0 -9- 8/A 0 .8999 0 .969 0 .975 0 .876 0 .876 0 .940 0 .940 0 .940 0 .962 0 .962 0 .962 0 .962 0 .875 0 .875 0 .876 0	T L'1766 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -90.1 -85.5 -80.8 -79.9 -78.9 -84.9 -79.9	ON .477 INC D 67.3 667.3 66.7 67.16 67.8 67.9 66.9 66.6 67.1 68.1 68.2	18 PHAZ 42.9 47.6 47.9 42.5 47.9 53.3 58.9 48.4 43.2 38.0 37.2 38.0 37.2	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 25.6 20.6 18.7 13.4 18.8 24.4 30.1 31.6 34.2 37.6	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7 13.7 13.7 12.8 18.6 24.4 30.0 30.8 30.8 30.5 28.8	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 16-112748 16-09559 15-01151 14-99362 14-11641 17-46852 12-95374 13-73990 14-63711 15-67072 12-89095	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 7-8 8-9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18
PHOTO DATA PT LAT L 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.454 -20 6 -10.494 -20 7 -11.474 -20 8 -11.464 -21 10 -10.971 -21 11 -10.506 -21 12 -10.157 -21 13 -10.123 -21 14 -10.087 -21 15 -10.048 -20 17 -10.426 -19 18 -10.936 -19	ON .5552 .967 .4964 .521 .445 .905 .411 .456 .929 .920 .581 .980 .7884 .778	RANGE 151-92366 149-50627 142-21387 145-91302 151-32963 155-2251 360-99655 154-88655 145-58729 142-21387 138-43713 140-52883 144-09452 149-30745 156-34174 158-65129	AZS/C -37.7 -48.6 -58.6 -65.0 -54.8 -46.7 -39.0 -29.3 -36.9 -11.3 -75.5 -78.2 -69.4 -60.3 -52.7	AZN 6.7 4.9 6.3 8.2 8.7 7.4 5.1 4.3 4.7 6.14 8.8 9.2	SEC TO 58.8  AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -84.7 -84.7 -84.7 -84.7 -79.1 -79.4 -79.1 -78.7 -80.5	IMPACT 817 AZA 44.07 42.6 41.4 40.2 41.5 844.0 45.1 33.8 42.6 45.1 37.9 40.3 41.5 40.3 41.5	ALT 136.9648: A+ 7.17338 7.10518 6.69775 6.90101 7.32237 7.58235 7.32539 7.08938 6.88652 6.69775 6.22957 6.58342 7.16449 7.16449 7.35998 7.60154 8.15262 7.84420	8/A 0.899 0.969 0.969 0.905 0.876 0.876 0.949 0.969 0.969 0.969 0.969 0.9871 0.842 0.810 0.777	AS PHOTO  T L' T66 -22  AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -85.5 -85.5 -94.7 -90.1 -81.5 -80.8 -79.9 -78.9 -78.9 -78.9 -100.9	DN .477 INCD 67.6 67.3 66.7 66.9 66.6 7.66.1 67.9 66.8 26.8 56.8 68.6 68.6 68.6 68.6 68.6 68.6 6	PHAZ 42.9 47.63 47.9 42.5 42.5 42.5 42.5 43.3 53.1 53.3 53.7 48.4 43.2 38.0 37.2 38.0 37.2 43.2	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 33.1 25.6 20.6 2 16.2 25.6 16.2 37.6 41.4 37.6	V 2.535  AL PHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7 13.1 2.2 12.8 18.6 24.4 30.8 30.8 30.5 28.8 25.9 20.5	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 15-11118 16-12748 16-09559 15-01151 17-6852 12-99374 13-37990 14-63711 15-67072 12-89095 15-71579 16-82430 18-12587 18-14501	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 13-14 14-15 16-17 17-18 18-19 19-20
PHOTO DATA PT LAT 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.494 -20 7 -11.474 -20 8 -11.464 -21 10 -10.971 -21 11 -10.506 -21 12 -10.157 -21 13 -10.123 -21 14 -10.087 -21 15 -10.048 -20 16 -10.097 -20 17 -11.481 -19 20 -12.0048 -20	ON .552 .967 .024 .521 .455 .4411 .455 .962 .529 .581 .058 .980 .884 .660 .271 .837	RANGE 151-192366 149-50627 142-21387 145-91302 151-32965 155-22513 160-96253 145-58729 142-21387 138-43713 140-52883 144-09452 149-30745 156-34174 158-65129 162-94961 162-94961 168-85327	AZS/C -37.3 -48.6 -58.6 -55.0 -54.8 -46.7 -39.3 -36.9 -48.5 -63.9 -71.3 -71.3 -72.2 -69.4 -69.4 -69.4 -69.4 -69.3	AZN 6.22 6.7 4.9 6.3 7.8 8.27 7.0 4.9 3.3 4.7 6.1 7.4 8.8 9.2 7.7 10.3 11.0 9.25	SEC TO 8. AZSUN -84.2 -82.8 -81.2 -82.7 -84.7 -84.7 -84.7 -84.7 -79.1 -78.7 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -82.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -84.7 -85.6 -86.8 -86.6 -85.6 -8	IMPACT 817 AZA 44.0 42.7 42.6 41.4 40.5 42.8 42.6 42.7 43.8 42.6 42.7 40.3 39.1 37.9 39.3 41.6 42.7 40.3	ALT 136.9648: A+ 7.17338 7.10518 6.90775 6.90101 7.12077 7.34237 7.34237 7.34239 7.08938 6.865775 6.22957 6.73459 6.73459 7.35998 7.35998 7.35998 7.35998 7.360154 7.86434 8.15262 7.86457	B/A 0 -9. 8/A 0.899 0.908 0.908 0.908 0.846 0.876 0.969 0.969 0.969 0.969 0.969 0.969 0.969 0.871 0.846 0.871 0.846 0.871 0.846 0.871 0.846	T L' 1766 -22 AZPHAZ -93.6 -90.1 -85.5 -85.1 -95.6 -90.1 -95.6 -90.1 -95.6 -90.1 -96.7 -90.1 -96	DN .477 INC D 67.6 66.7 67.1 67.6 66.8 66.7 1 67.1 68.2 68.3 66.6 68.2 68.6 68.6 68.6 68.5 68.5	18 PHAZ 9 42 9 42 9 42 9 42 9 42 9 42 9 53 9 53 9 53 9 53 9 53 9 53 9 53 9 5	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 333.1 29.6 20.6 20.6 20.6 20.6 20.6 20.6 20.6 20	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7 13.1 7.2 12.8 18.6 24.4 30.0 30.8 30.5 28.8 30.5 28.9 20.5	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.11118 16.12748 16.09559 15.01151 14.99362 14.11641 17.46852 12.95374 13.73990 14.63711 15.67072 12.89095 15.71579 16.82430 18.12587 18.14501 18.14501 18.14501	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10 10-11 11-13 13-14 14-15 15-16 16-17 17-18 18-19 20-21 20-21 21-22
PRAJECTORY OA  PHOTO DATA  PT LAT L  1 -10.647 -20  2 -10.959 -20  3 -10.506 -21  4 -10.481 -21  5 -10.454 -20  6 -10.948 -20  7 -11.464 -21  10 -10.971 -21  11 -10.506 -21  12 -10.157 -21  13 -10.123 -21  14 -10.087 -21  15 -10.048 -20  16 -10.097 -21  15 -10.048 -20  17 -10.426 -19  18 -10.936 -19  18 -10.936 -19  19 -11.481 -19  20 -12.063 -20  22 -12.013 -20  23 -11.990 -23	ON .5552 .967 .4967 .521 .445 .905 .4962 .529 .0701 .057 .9884 .778 .6271 .362	RANGE 151. 92366 149. 50627 142. 21387 145. 91302 151. 32965 150. 9625 154. 88655 154. 68625 145. 58729 142. 21387 144. 09452 149. 30745 156. 34174 158. 65129 162. 94961 169. 22044 177. 70012 168. 85327 168. 85327 168. 24164	AZS/C -37.7 -47.3 -48.6 -58.6 -56.8 -65.0 -29.3 -36.9 -48.5 -63.9 -71.3 -75.5 -78.2 -60.3 -32.7 -46.3 -40.3	AZN 6.2 6.7 4.9 7.8 8.7 7.0 5.1 4.9 3.7 6.1 4.9 8.8 9.7 10.3 11.0 9.5 5.7	SEC TO 58.  AZSU2 -82.8 -84.2 -81.2 -81.0 -80.7 -84.7 -84.7 -84.7 -84.7 -79.1 -79.1 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -86.6	IMPACT 817 AZA 44.0 42.7 42.6 41.6 41.6 42.8 44.0 45.1 43.6 42.7 41.5 339.1 337.9 39.0 341.6 42.1 44.6 42.7	ALT 136.9648i A- 7.17338 7.105188 6.69775 6.90101 7.12077 7.34237 7.34237 7.34239 7.08938 6.88652 6.69775 6.22957 6.58342 7.34599 7.40154 7.35998 7.60154 7.84434 8.15262 7.84420 7.356451 7.36457	8/A 0 -9. 8/A 0 0.8999 0 0.938 0 0.905 0 0.876 0 0.969 0 0.969 0 0.969 0 0.962 0 0.871 0 0.871	AS PHOTO  T L.  766 -22  A2PHAZ -93.6  -90.1  -85.5  -85.1  -95.6  -90.1  -95.1  -94.7  -90.1  -81.5  -80.8  -79.9  -84.0  -90.1  -90.1  -90.1  -90.1  -90.1  -90.1  -90.1  -90.1  -90.1  -90.1  -90.2	DN .477 INC D 67.6 66.7 66.7 66.9 66.6 66.2 66.3 66.3 66.3 66.3 66.3 66.3	18' PHAZ 42.9 42.92 47.96 42.52 42.52 42.55 53.31 53.11 53.97 53.7 43.22 36.9 37.22 43.36 48.66 43.32 43.36	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.0 16.2 20.6 16.2 18.8 24.4 37.4 37.4 37.4 37.4 37.4 37.4 37.4 3	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 23.1 17.3 11.5 12.7 13.1 7.2 12.8 18.6 24.4 30.0 30.8 30.5 28.8 25.9 20.5	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 15-11118 16-12748 16-09559 15-01151 17-6852 12-95374 13-73990 14-63711 15-67072 12-89095 15-71579 16-82430 18-12587 18-14501 18-75881 15-58229	AZ 5.096 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 16-17 17-18 18-19 120-21 221-22 22-22
PHOTO DATA PT LAT 1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.494 -20 7 -11.474 -20 8 -11.464 -21 10 -10.506 -1 11 -10.506 -1 11 -10.506 -1 12 -10.157 -21 13 -10.123 -21 14 -10.087 -21 15 -10.048 -20 16 -10.048 -20 17 -10.426 -19 18 -10.936 -19 18 -10.936 -19 19 -11.481 -19 20 -12.069 -19 21 -12.069 -19 21 -12.019 -20 22 -12.013 -20 23 -11.990 -12 24 -11.970 -12	ON .552 .967 .924 .521 .363 .905 .967 .962 .521 .455 .962 .570 .581 .660 .888 .660 .837 .365 .853	RANGE 151. 192366 149. 50627 142. 21387 145. 91302 151. 32965 155. 22513 160. 99655 154. 88655 150. 66253 145. 58729 142. 21387 138. 43713 140. 52883 144. 09452 149. 30745 156. 34174 156. 34174 158. 65129 162. 94961 169. 22044 177. 70012 168. 85327 162. 24164 157. 60970	AZS/C -37.3 -48.6 -58.6 -55.0 -54.8 -46.7 -39.0 -29.3 -36.9 -48.5 -63.9 -71.3 -75.5 -78.2 -60.3 -52.7 -40.3	AZN 6.2 6.7 4.9 6.3 7.8 8.2 7.7 5.4 4.9 3.3 4.7 7.4 8.8 9.2 9.7 10.3 11.0 9.7 7.5 7	SEC TO AZSUNZ -84.2 -81.2 -81.2 -81.2 -81.2 -84.7 -84.7 -84.7 -84.7 -79.7 -79.4 -79.7 -84.7 -80.5 -80.6 -86.6 -86.6	IMPACT 817 AZA0 42.7 41.4 40.5 42.8 42.8 42.6 44.5 43.8 42.6 44.5 43.9 41.5 40.3 41.5 40.3 41.5 40.3 41.5 40.3 41.5 40.3 41.5 40.3 41.5 40.3 41.5 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3	ALT 136.9648: A+ 7.17338 7.10518 6.69775 6.90101 7.12077 7.34237 7.32539 7.08938 6.88652 6.69775 6.22957 6.73459 8.760154 8.15262 7.36434 8.15262 7.36457 7.30885 7.07328	B/A 0 .899 0.909 0.938 0.975 0.876 0.876 0.876 0.969 0.969 0.969 0.969 0.871 0.876 0.810 0.777 0.810 0.777 0.813 0.810 0.777 0.810 0.777 0.810 0.777 0.810 0.870 0.810 0.870 0.8	AS PHOTO  T	DN .477 INC D 67.6 6.7.6 66.7 66.7 66.7 66.7 66.9 66.7 66.2 66.6 66.2 66.6 67.5 68.6 68.0 67.5 68.6 68.0 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5	18 PHAZ 42.9 47.6 53.3 47.9 53.3 58.9 53.7 48.4 43.2 36.9 37.2 38.3 48.6 55.8	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 33.1 29.6 20.6 27 13.4 30.1 31.6 237.6 41.4 30.1 31.6 237.6 41.4 30.9 28.9	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.9 24.6 11.7.3 11.5 12.7 13.1 17.2 12.8 18.6 24.4 30.0 30.8 30.5 28.8 25.9 20.5 15.0 9.4 4.0	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.11118 16.12748 16.09559 15.01151 14.99362 14.11641 17.46852 12.95374 13.73990 14.63711 15.67072 12.89095 15.71579 16.82430 18.12587 18.14501 18.14501 18.14501	AZ 5.096 PT-PT 1-2 2-3 3-4 5-6 7-8 8-9 9-10 11-12 12-13 11-15 15-16 15-17 17-18 18-19 19-20 22-22 22-22 23-224
PRAJECTORY OA  PHOTO DATA  PT LAT L  1 -10.647 -20  2 -10.959 -20  3 -10.506 -21  4 -10.481 -21  5 -10.454 -20  6 -10.948 -20  7 -11.464 -21  10 -10.971 -21  11 -10.506 -21  12 -10.157 -21  13 -10.123 -21  14 -10.087 -21  15 -10.048 -20  16 -10.097 -21  15 -10.048 -20  17 -10.426 -19  18 -10.936 -19  18 -10.936 -19  19 -11.481 -19  20 -12.063 -20  22 -12.013 -20  23 -11.990 -23	ON .552 .967 .024 .552 .496 .024 .445 .363 .411 .456 .962 .070 .588 .78 .78 .660 .271 .837 .858 .885	RANGE 151. 92366 149. 50627 142. 21387 145. 91302 151. 32965 150. 9625 154. 88655 154. 68625 145. 58729 142. 21387 144. 09452 149. 30745 156. 34174 158. 65129 162. 94961 169. 22044 177. 70012 168. 85327 168. 85327 168. 24164	AZS/C -37.3 -48.6 -58.6 -55.0 -54.8 -46.7 -39.0 -29.3 -36.9 -48.5 -63.9 -71.3 -75.5 -78.2 -60.3 -52.7 -40.3	AZN 6.2 6.7 4.9 7.8 8.7 7.0 5.1 4.9 3.7 6.1 4.9 8.8 9.7 10.3 11.0 9.5 5.7	SEC TO 58.  AZSU2 -82.8 -84.2 -81.2 -81.0 -80.7 -84.7 -84.7 -84.7 -84.7 -79.1 -79.1 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -86.6	IMPACT 817  44.07 42.6 41.4 40.5 44.08 42.6 41.5 44.03 45.1 45.3 47.6 47.6 47.6 47.6	ALT 136.9648i A- 7.17338 7.105188 6.69775 6.90101 7.12077 7.34237 7.34237 7.34239 7.08938 6.88652 6.69775 6.22957 6.58342 7.34599 7.40154 7.35998 7.60154 7.84434 8.15262 7.84420 7.356451 7.36457	8/A 0.899 0.909 0.938 0.909 0.879 0.876 0.879 0.979 0.979 0.929 0.895 0.871 0.810 0.777 0.810 0.871 0.871 0.871 0.871 0.871 0.871 0.871 0.871 0.871 0.871	AS PHOTO  T L: 766 -22  A2PHAZ -93.6 -90.1 -85.5 -85.1 -94.6 -90.1 -95.7 -90.1 -94.7 -90.1 -81.5 -80.8 -79.9 -78.9 -84.0 -90.1 -90.1 -90.1 -90.1 -90.1 -90.1 -90.2 -98.3	DN .4777 INC D 67.6 67.3 66.7 1 66.6 67.9 66.6 67.4 66.9 66.6 67.5 66.6 68.2 66.6 68.2 66.6 68.2 66.6 68.2 66.5 66.5 66.5 66.5 66.5 66.5 66.5 66	188 PHAZ 42.9 47.9 42.5 47.9 53.3 53.3 53.3 53.3 38.0 337.2 343.3 43.3 53.3 553.6 553.6	72.420 EMIS 26.7 24.6 16.2 21.0 26.2 29.3 33.1 29.0 16.2 20.6 16.2 18.8 24.4 37.4 37.4 37.4 37.4 37.4 37.4 37.4 3	V 2.535 ALPHA 24.2 18.6 13.1 19.0 24.6 23.1 17.3 11.5 12.7 13.1 7.2 12.8 18.6 23.0 030.8 30.8 30.0 28.8 20.5 15.0 9.4	PTH -65-386 11 SCALE 0. 15-57094 20-88203 14-07845 15-02288 15-11118 16-12748 16-09559 15-01151 14-99362 14-11641 17-68852 12-95374 13-73990 14-63711 15-67072 12-89095 15-71579 16-82430 18-12587 18-14501 18-75821 14-75881 15-58229 14-57100	AZ 5.096 PT-PT 1-2 2-3 3-4 4-5 6-7-8 8-9-10 10-11 11-12 12-13 11-15 15-16 17-18 19-20 21-22 22-23 24-25 22-22 24-25 22-22 24-25 25-26
PRAJECTORY OA  PRAJECTORY OA  PT LAT  1 -10.647 -20  2 -10.959 -20  3 -10.506 -21  4 -10.481 -21  5 -10.454 -20  6 -10.948 -20  7 -11.464 -21  10 -10.971 -21  11 -10.506 -21  12 -10.157 -21  13 -10.123 -21  14 -10.087 -21  15 -10.048 -20  17 -10.426 -19  18 -10.936 -19  19 -11.481 -19  20 -12.069 -19  21 -12.069 -19  21 -12.069 -19  21 -12.069 -19  21 -12.069 -20  22 -12.013 -20  23 -11.990 -12  4 -11.970 -21  25 -11.460 -21	TA  ON .552 .967 .496 .024 .521 .445 .455 .496 .529 .681 .657 .980 .881 .837 .860 .883 .895	RANGE 151.192366 149.50627 142.21387 145.91302 151.32965 155.22513 160.99655 154.88655 145.58729 142.21387 138.43713 140.52883 144.09452 149.30745 156.34174 156.34174 158.65129 162.94961 169.22044 177.70012 168.85327 162.24164 157.60970 164.10747	AZS/C -37.7 -47.3 -48.6 -58.6 -65.0 -54.7 -39.0 -29.3 -36.9 -48.5 -48.5 -78.5 -78.5 -78.5 -70.3 -70.3 -70.3 -70.3 -70.3 -70.3	AZN 6.2 6.7 6.3 7.8 2 8.7 7.0 6.3 4.7 7.0 6.1 7.4 8.8 2 9.7 7.1 10.3 11.3 11.3 11.3 11.3 11.3 11.3 11	SEC TO 58  AZSU2 -82-81-2 -81-2 -81-2 -81-2 -7 -84-7 -79-1 -79-7 -84-7 -84-7 -84-7 -84-7 -84-7 -86-6 -83-6 -83-4 -86-6 -83-4 -	IMPACT 817  A4.0 42.6 41.4 40.5 42.8 44.0 45.1 43.8 42.6 741.5 37.9 39.1 37.0 45.1 45.3 46.4 47.5 44.5 47.5 47.5 47.5 47.5 47.5 47	ALT 136.9648 A+ 7.17338 7.10518 6.69775 6.90101 7.12077 7.34237 7.56235 7.32539 7.08938 6.88652 6.7375 6.73459 6.94074 7.16449 7.35998 8.15262 7.36453 7.07328 8.15262 7.36453 7.07328 6.87115 6.68364 6.50860	8/A (0.899 (0.905 (0.90	AS PHOTO  T L.  766 -22  AZPHAZ -93.6  -90.1  -85.5  -85.1  -94.7  -95.1  -95.6  -90.1  -94.7  -90.1  -81.5  -80.8  -79.9  -78.9  -84.0  -90.1  -102.0  -100.0  -100.0  -99.2  -98.5  -99.3	DN .4777 INC D 67.6 67.3 66.7.1 66.7.6 66.7.4 66.9 67.4 66.9 66.6 67.5 66.6 67.5 66.6 66.6 66.6 66.6	188 PHAZ 47.9 47.9 42.5 47.9 42.5 53.3 53.1 53.3 53.3 36.0 33.2 36.9 38.2 36.9 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7	72.42C EMIS 26.7 24.6 6.2 21.0 25.6 6.2 29.3 33.1 20.5 6.6 20.6 20.6 20.6 20.6 20.6 20.6 20.6	V V 2-5355  ALPHA 24-2  18-6 13-1  19-0 0 24-9  23-1  17-2  13-1  7-2  13-1  30-0  30-8  30-5  28-8  4-0  5-7  6-9  7-3	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.1118 16.12748 16.09559 15.01151 17.46852 12.95374 13.73990 14.63711 15.67072 12.89095 15.11579 16.822430 18.12587 18.14501 16.75881 15.56229 14.57100 15.46957 14.52507	AZ 5.096 PT-PT 1-23 3-45 5-67 7-88 8-9-10 10-11 11-12 12-13 14-15 16-17 17-18 18-19 19-20 20-21 22-23 23-24 22-23 23-24 25-22
PHOTO DATA  PT LAT  1 -10.647 -20 2 -10.959 -20 3 -10.506 -21 4 -10.481 -21 5 -10.494 -20 7 -11.474 -20 8 -11.468 -20 9 -11.464 -21 11 -10.506 -21 11 -10.506 -21 12 -10.157 -21 13 -10.123 -21 14 -10.087 -21 15 -10.048 -20 16 -10.048 -20 17 -10.426 -19 18 -10.936 -19 19 -11.481 -19 20 -12.069 -19 21 -12.039 -20 22 -12.013 -20 23 -11.990 -21 24 -11.970 -21 25 -11.460 -21 25 -11.460 -21 26 -10.982 -21	TA  ON	RANGE 151-92366 151-92366 149-50627 142-21387 145-91302 151-32965 155-22513 160-99655 154-88655 145-58729 142-21387 138-43713 140-52883 144-09452 149-30745 156-34174 158-65129 162-94961 169-22044 177-70012 168-85327 162-24164 157-60970 154-72060	AZS/C -37.3 -48.6 -58.6 -55.0 -54.8 -65.7 -39.0 -30.9 -48.5 -63.9 -71.3 -75.2 -69.4 -60.3 -50.3 -40.3 -50.3 -50.3 -70.3 -70.3	AZN 6.2 6.7 7 6.3 7.8 8.2 7 7.5 5.1 11.0 2 7.5 5.9 3.7 3.7 5.9 3.7 3.7 5.9 3.9 5.9 3.7 5.9 3.7 5.9 3.7 5.9 3.7 5.9 3.7 5.9 3.7 5.9 3.7 5.9 3.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5	SEC TO 58  AZSUN 2 -82-8 -81-2 -81-2 -81-2 -81-2 -81-2 -91-2	IMPACT 817  A4.0 42.6 41.4 40.5 42.8 44.0 45.1 43.8 42.6 741.5 37.9 39.1 37.0 45.1 45.3 46.4 47.5 44.5 47.5 47.5 47.5 47.5 47.5 47	ALT 136.9648 A+ 7.17338 7.10518 6.69775 6.90101 7.12077 7.34237 7.56235 7.32539 7.08938 6.88652 6.7375 6.73459 6.94074 7.16449 7.35998 8.15262 7.36453 7.07328 8.15262 7.36453 7.07328 6.87115 6.68364 6.50860	8/A (0.899 (0.905 (0.90	T L. Trock of the control of the con	DN .4777 INC D 67.6 67.3 66.7.1 66.7.6 66.7.4 66.9 67.4 66.9 66.6 67.5 66.6 67.5 66.6 66.6 66.6 66.6	188 PHAZ 47.9 47.9 42.5 47.9 42.5 53.3 53.1 53.3 53.3 36.0 33.2 36.9 38.2 36.9 53.7 53.7 53.7 53.7 53.7 53.7 53.7 53.7	72.42C EMIS 26.7 24.6 6.2 21.0 25.6 6.2 29.3 33.1 20.5 6.6 20.6 20.6 20.6 20.6 20.6 20.6 20.6	V V 2-5355  ALPHA 24-2  18-6 13-1  19-0 0 24-9  23-1  17-2  13-1  7-2  13-1  30-0  30-8  30-5  28-8  4-0  5-7  6-9  7-3	PTH -65.386 11 SCALE 0. 15.57094 20.88203 14.07845 15.02288 15.1118 16.12748 16.09559 15.01151 17.46852 12.95374 11.641 17.46852 12.95374 18.12587 18.12587 18.12587 18.12587 18.12587 18.12587 18.12587 18.12587 18.12587 18.12587 18.12587 18.12587 18.12587	AZ 5.096 PT-PT 1-23 3-45 5-67 7-88 8-9-10 10-11 11-12 12-13 14-15 16-17 17-18 18-19 19-20 20-21 22-23 23-24 22-23 23-24 25-22

RA-VII CAMERA FA

JULY 31,1964 13 HR	24 MIN 55	SEC 102	MS		TAB NO	189	ATLA	s рното	NO	189	POD S	SEQUENCE NO 384
TRAJECTORY DATA				SEC 10	IMPACT	ALT 125-15576	LAT		ON . 324	R 1860 61	V 1 2 541	PTH AZ -65.286 115.068
PHOTO DATA								V 55	2,24			-074206 TT35066
PT LAT LON	RANGE			AZSUN	AZA	A=				PHAZ EMIS		SCALE PT-PT
1 -10.644 -20.558			6.2	-84-2	43.9	6.55919	0.899	-93.5	67.6	43.0 26.6	24.2	0. 0-1
	136.71422		6.7	-82.8		6.49725		-90.1	67.3	47-6 24-6	18.6	14.15886 1- 2
	130.03065	-48.7 -58.6	4.9	-81.2		6.12397				53.3 16.3		19.09961 2- 3
	138.38502	-65.0	6.3 7.8	-80.7	40.3	6.31048	0.905	-84.6	67.6	42.5 26.2	24.0	12.87674 3- 4 13.73928 4- 5
6 -10.922 -20.455	141.94777	-54.9	8.2	-82.7		6.71434		-90-1	67.7	42.2 29.2	24.5	13.81865 5- 6
7 -11.403 -20.379	147.21255	-46.8	8.7	-84.7		6.93317	0.846	-95.5	67.9	42.5 33.0	23.1	14.74281 6- 7
8 -11.398 -20.875	141.62367		7.0	-84.7		6.69811	0.879	-95.1	67.4	47.9 29.0	17.3	14.71819 7-8
9 -11.394 -21.337	137.74781	-29.5	5.4			6.48168	0.910	-94.7		53.3 25.6		13.72926 8- 9
	133.11655		5.1				0.940_	90+1	66.8	53.1 20.7	12.7	13.70581 9-10
	126.54925	-48.7 -48.7	4.9 3.3	-81.2 -80.0	42.5	6.12397 5.69653		-82.1		53.3 16.3 58.9 8.8	7.3	12.90746 10-11 15.97643 11-12
		-63.9	4.7	-79.7		5.98247		-81.5		53.7 13.5		11.84563 12-13
14 ~10.135 -21.026	131.75551		6.1	-79.4	40.3	6.15788		-80.8		48.4 18.9		12.56618 13-14
15 -10.100 -20.578	136.52692	~75.4	7.5	-79.1	39.2	6.34659				43.2 24.4		13.38565 14-15
16 -10.062 -20.100 17 -10.445 -20.029	142.95223	-78.1	8.8	-78.7		6.55088		-78.9		38.0 30.0		14.32598 15-16
17 -10.445 -20.029	145.07254	-69.3	9.2	-80.5	39.1	6.73005				37.2 31.6		11.78874 16-17
18 -10.911 -19.942 19 -11.410 -19.845	149.00141 154.71810	-60.3 -52.7	9.7	-82.6 -84.7	40.4	6.95088 7.19037		-90-1		36.9 34.2		14.37020 17-18
20 -11.946 -19.737	162.43207		10.9	-86.9						37.2 37.5 38.2 41.3		15.37696 18-19 16.55271 19-20
21 -11.919 20.236	154 36540	-40.4	9.2	-86.8						43.3 37.3		16.57701 20-21
22 -11.895 -20.812	148.32262		7.4	-60.0	45.0					48.6 33.7		15.32031 21-22
23 -11.875 -21.293	144-07605		5.7	-86.5	46.l	6.68123	0.878	-99.2	67.0	53.8 30.9	3.5	14 24848 22-23
	141-41258		3.9	-86.4		6.46486				59.0 28.8	4.1	13.32327 23-24
25 -11.391 -21.771	135.38923	-17.5	3.7	-84.7	46.0	6.28110		-94.3		58.6 23.3		14.13088 24-25
26 -10.953 -21.797 27 -10.540 -21.822	130.97395 128.02828	-22.9 -32.5	3.6 3.4	-83.0 -81.4	44.7	6.11011 5.95005		~90.1 -85.8		58.4 17.8 58.5 12.6		13.27530 25-26
2810.199 -21.842	126.54925			-80.0		5.69653				58.9 8.8		12.52579 26-27 10.35610 27-28
					,,,,,,	7.07272			40.3	,,,,		10137010 21-20
JULY 31,1964 13 HR	25 MIN 0	SEC 222	MS		TAB NO	190	ATLA	S PHOTO	NO	190	POD S	SEQUENCE NO 386
JULY 31,1964 13 HR Trajectory data	: 25 MIN 0			SEC TO	IMPACT	ALT	LAT	L	ON	R	٧	PTH AZ
TRAJECTORY DATA PHOTO DATA				SEC TO 48.	IMPACT	ALT 113.32565	LAT 5 -9.9	Q8 -22	ON •169	R 1848.78	v 1 2.548	PTH AZ -65.185.115.040
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	SEC TO 48.	IMPACT 577	ALT 113.32565	LAT 5 -9.9 8/A	08 -22 Azphaz	ON -169 INCD	R 1848.78 PHAZ EMIS	V 1 2.548 ALPHA	PTH AZ -65-185-115-040 SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 ~10.64220.563	RANGE 125.73826	AZS/C -38.0	AZN 6.2	SEC TO 48. AZSUN -84.2	IMPACT 577 AZA 43.7	ALT .113.32565 A+ 5.94315	LAT 5 -9.9 8/A 0.899	08 -22 AZPHAZ -93.5	ON •169 INCD 67.6	R 1848.78 PHAZ EMIS 43.0 26.6	V 1 2.548 ALPHA 24.1	PTH AZ -65-185-115-040 SCALE PT-PT 0- 0-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.642 -20.563 2 -10.906 -20.897	RANGE 125.73826 123.88206	AZS/C -38.0 -47.5	AZN 6.2 6.7	SEC TO 48. AZSUN -84.2 -82.8	IMPACT .577 AZA 43.7 42.5	ALT 113.32565 A+ 5.94315 5.88741	LAT 5 -9.9 8/A 0.899 0.909	08 -22 AZPHAZ -93.5 -90.1	ON •169 INCD 67.6 67.3	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6	V 1 2.548 ALPHA 24.1 18.7	PTH AZ -65-185_115-040_ SCALE PT-PT 0- 0- 1 12-75730 1- 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563  2 -10.906 -20.897  3 -10.531 -21.335	RANGE 125-73826 123-88206 117-81211	AZS/C -38.0 -47.5 -48.8	AZN 6.2 6.7 4.9	SEC TO 48. AZSUN -84.2 -82.8 -81.2	IMPACT 577 AZA 43.7 42.5 42.4	ALT 113.32565 A* 5.94315 5.88741 5.54852	B/A 0.899 0.909 0.968	Q8 -22 AZPHAZ -93.5 -90.1 -85.4	ON .169 INCD 67.6 67.3 66.9	R 1848.78 PHAZ ENIS 43.0 26.6 47.6 24.6 53.3 16.4	V 1 2.548 ALPHA 24.1 18.7 13.2	PTH AZ -65.185.115.040 SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.642 - 20.563 2 -10.906 - 20.897 3 -10.531 - 21.335 4 -10.510 - 20.944	RANGE 125.73826 123.88206	AZS/C -38.0 -47.5 -48.8	AZN 6.2 6.7	SEC TO 48. AZSUN -84.2 -82.8	IMPACT .577 AZA 43.7 42.5 42.4 41.4	ALT 113.32565 A+ 5.94315 5.88741 5.54852 5.71811	B/A 0.899 0.909 0.968 0.937	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1	ON .169 INCD 67.6 67.3 66.9 67.2	R 1848.78 PHAZ ENIS 43.0 26.6 47.6 24.6 53.3 16.4 47.9 21.1	V 1 2.548 ALPHA 24.1 18.7 13.2 19.1	PTH AZ -65.185_115.040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10-642 - 20-563 2 -10-906 - 20-897 3 -10-510 - 20-944 5 -10-487 - 20-527 6 -10-896 - 20-464	RANGE 125-73826 123-88206 117-81211 120-90232 125-39924 128-62804	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9	AZN 6.2 6.7 4.9 6.4 7.8 8.2	SEC TO 48.  AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -82.7	IMPACT .577 AZA 43.7 42.5 42.4 41.4 40.3 41.4	ALT 113.32565 A* 5.94315 5.88741 5.54852 5.71811 5.90061 6.08430	B/A 0.899 0.909 0.937 0.905 0.877	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1	ON 169 INCD 67.6 67.3 66.9 67.2 67.6 67.7	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 53.3 16.4 47.9 21.1 42.5 26.2 42.2 29.2	V 1 2.548 ALPHA 24.1 18.7 13.2 19.1 24.9 24.5	PTH AZ -65:185 115:040  SCALE PT-PT 0. 0-1 12:75:30 1-2 17:31078 2-3 11:67074 3-4 12:45:134 4-5 12:52:20 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.896 -20.464 7 -11.332 -20.396	RANGE 125.73826 123.88206 117.81211 120.90232 125.39924 128.62804 133.38693	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9	AZN 6.2 6.7 4.9 6.4 7.8 8.2 8.6	SEC TO 48. AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -82.7 -82.7	IMPACT .577 AZA 43.7 42.5 42.4 41.4 40.3 41.4 42.6	ALT 113.325.65 A. 5.94315 5.88741 5.54852 5.71811 5.90061 6.08430 6.28203	B/A 0.899 0.909 0.937 0.905 0.937 0.905	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1	ON 169 INCD 67.6 67.3 66.9 67.2 67.6 67.7	R 1848.78 PHAZ ENIS 43.0 26.6 47.6 24.6 53.3 16.4 47.9 21.1 42.5 26.2 42.5 23.3	V 1 2.548 ALPHA 24.1 18.7 13.2 19.1 24.9 24.5 23.1	PTH AZ -65:185.115.040  SCALE PT-PT 0 0-1 12:75730 1-2 17:31078 2-3 11.67074 3-4 12:45134 4-5 12:52200 5-6 13:35477 6-7
PHOTO DATA PT LAT LON 1 -10.642 -20.563 2 -10.906 -20.897 3 -10.510 -20.944 5 -10.487 -20.527 6 -10.896 -20.464 7 -11.332 -20.398 8 -11.227 -20.845	RANGE 125-73826 123-88206 117-81211 120-90232 125-39924 128-62804 133-38693 128-32108	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3	AZN 6.2 6.7 4.9 6.4 7.8 8.2 8.6 7.0	SEC TO 48.  AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -82.7 -84.7 -84.7	IMPACT .577 AZA 43.7 42.5 42.4 41.4 40.3 41.4 42.6 43.6	ALT .113.32565 A. 5.94315 5.88741 5.54852 5.71811 5.90061 6.08430 6.28203 6.06895	B/A 0.899 0.909 0.968 0.937 0.905 0.877 0.877	28 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1 -95.5 -95.1	ON 109 INCD 67.6 67.3 66.9 67.2 67.6 67.7 67.8 67.4	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 53.3 16.4 47.9 21.1 42.5 26.2 42.2 29.2 42.5 33.0 47.9 29.0	V 1 2.548 ALPHA 24.1 18.7 13.2 19.1 24.9 24.5 23.1 17.3	PTH AZ -65-185_115.040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4 12.45134 4-5 12.52200 5-6 13.336477 6-7 13.33653 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.487 -20.326 7 -11.332 -20.396 8 -11.327 -20.845 9 -11.324 -21.264	RANGE 125-73826 123-88206 117-81211 120-90232 125-39924 128-62804 133-38693 128-32108	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3	AZN 6.2 6.7 4.9 6.4 7.8 8.6 7.0	SEC TO 48.  AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -82.7 -84.7 -84.8	IMPACT 577 AZA 43.7 42.5 42.4 40.3 41.4 42.6 43.6 44.7	ALT 113-32565 A• 5-94315 5-88741 5-54852 5-71811 5-90061 6-08430 6-28203 6-06895 5-87227	B/A 0.899 0.909 0.968 0.937 0.905 0.877 0.847 0.819	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1 -95.5 -95.1	INCD 67.6 67.3 66.9 67.2 67.6 67.7 67.8 67.4	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 53.3 16.4 47.9 21.1 42.5 26.2 42.2 29.2 42.5 33.0 47.9 29.0 53.3 25.6	V 1 2.548 ALPHA 24.1 18.7 13.2 19.1 24.9 24.5 23.1 17.3 11.6	PTH AZ -65-185_115-040  SCALE PT-PT 0- 0- 1 12.75730 1- 2 17.31078 2- 3 11.67074 3- 4 12.45134 4- 5 12.52200 5- 6 13.35477 6- 7 13.33653 7- 8 12.44260 8- 9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.896 -20.464 7 -11.322 -20.396 8 -11.327 -20.845 9 -11.324 -21.264 10 -10.915 -21.301	RANGE 125.73826 123.88206 117.81211 120.90232 125.39924 128.62804 133.38693 128.32108 128.79693	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -39.3	AZN 6.2 6.7 4.9 6.4 7.8 8.2 8.6 7.0	SEC TO 48.  AZSUN -84.2 -82.8 -81.2 -81.0 -82.7 -84.7 -84.7 -84.8 -83.0	IMPACT, 577  AZA 43.7 42.5 42.4 41.4 40.3 41.4 42.6 43.6 43.5	ALT 113.32565 A• 5.94315 5.88741 5.54852 5.71811 5.90061 6.08430 6.28430 6.28695 5.87227 5.70502	B/A 0.899 0.908 0.908 0.937 0.905 0.877 0.847 0.847 0.910	08 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1 -95.5 -95.1 -94.7 -90.1	INCD 67.6 67.3 66.9 67.2 67.6 67.7 67.8 67.4	R 1848.78 PHAZ EMIS 43.0 26.6 53.3 16.4 47.9 21.1 42.5 26.2 42.2 29.2 42.5 33.0 47.9 29.0 53.3 25.6	V 1 2.548 ALPHA 24.1 18.7 13.1 124.9 24.5 23.1 17.3 11.6	PTH AZ -65-185-115-040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4 12.45134 4-5 12.52200 5-6 13.35477 6-7 13.33653 7-8 12.44260 8-9 12.44260 8-9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.487 -20.326 7 -11.332 -20.396 8 -11.327 -20.845 9 -11.324 -21.264	RANGE 125.73826 123.88206 117.81211 120.90232 125.39924 128.62804 133.38693 128.32108 124.79693 120.66931 117.81211	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3	AZN 6.2 6.7 4.9 6.4 7.8 8.2 8.6 7.0 5.1	SEC TO 48.  AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -84.7 -84.8 -83.0 -81.2	IMPACT .577 AZA 43.5 42.4 41.4 40.3 41.4 42.6 43.6 44.7 43.5	ALT 113.325.65 A. 5.94315 5.88741 5.54852 5.71811 6.08430 6.28203 6.06895 5.87227 5.70502 5.54852	LAT 5 -9.9 8/A 0.899 0.908 0.937 0.908 0.877 0.879 0.910 0.940 0.968	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1 -95.5 -95.1 -94.7 -94.7 -90.1	INCD 67.6 67.3 66.9 67.6 67.7 67.8 67.4 67.4 66.9 66.9	R 1848.78 PHAZ EMIS 43.0 26.6 53.3 16.4 47.9 21.1 42.5 26.2 42.2 29.2 42.5 33.0 53.3 25.6 53.1 20.7 53.3 16.4	V 1 2.548 ALPHA 24-1 18-7 13-2 19-1 24-5 23-1 17-3 11-6 12-8 13-2	PTH AZ -65:185 115:040  SCALE PT-PT 0. 0-1 12:75730 1-2 17:31078 2-3 11:67074 3-4 12:45134 4-5 12:52200 5-6 13:33653 7-8 12:44260 8-9 12:41482 9-10 11:69491 10-11
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 - 20.563 2 -10.906 - 20.897 3 -10.531 - 21.335 4 -10.510 - 20.944 5 -10.487 - 20.527 6 -10.896 - 20.464 7 -11.332 - 20.396 8 -11.327 - 20.845 9 -11.324 - 21.264 10 -10.915 - 21.301 11 -10.531 - 21.335 12 -10.241 - 21.722	RANGE 125.73826 123.88206 117.81211 120.90232 125.39924 128.62804 133.38693 128.32108 124.79693 120.6093 117.81211 114.63223 116.40151	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3 -48.8 -48.8	AZN 6.2 6.7 4.9 7.8 8.2 8.6 7.0 4.9 3.3	AZSUN -84.2 -82.8 -81.0 -80.7 -84.7 -84.7 -84.8 -91.2 -79.9 -79.7	IMPACT: 577  AZA 43.7 42.5 42.4 41.4 42.6 43.6 43.6 43.5 42.4 42.6	ALT 113.32563 A• 5.94315 5.88741 5.54825 5.71811 5.90061 6.08430 6.28203 6.06895 5.87227 5.70502 5.16185 5.41996	8/A 0.899 0.909 0.968 0.937 0.847 0.847 0.847 0.849 0.940 0.968 0.979	Q8 -22 AZPHAZ -93.5 -90.1 -85.1 -85.1 -80.1 -90.1 -90.1 -94.7 -90.1 -85.4 -82.1 -81.5	ON .169 INCD 67.6 67.6 66.9 66.9 66.8	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 53.3 16.4 42.5 26.2 42.5 33.0 42.5 33.0 47.9 29.0 53.3 25.6 53.1 20.7 53.3 16.4 58.9 8.9	V 1 2.548 ALPHA 24-1 18-7 13-2 19-1 24-9 24-5 23-1 17-3 11-6 12-8 13-2 7-4 13-0	PTH AZ -65-185-115-040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4 12.45134 4-5 12.52200 5-6 13.35477 6-7 13.33653 7-8 12.44260 8-9 12.44260 8-9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.896 -20.464 7 -11.332 -20.396 8 -11.327 -20.845 9 -11.324 -21.264 10 -10.915 -21.301 11 -10.531 -21.335 12 -10.241 -21.722 13 -10.213 -21.363 14 -10.183 -20.982	RANGE 123.88206 117.81211 120.90232 125.39924 128.32108 124.79693 127.81211 114.63223 116.40151	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3 -48.9 -63.8 -71.1	AZN 6.2 6.7 4.9 6.8 8.2 8.6 7.0 5.1 4.9 3.3 4.7	SEC TO 48.  AZSUN -84.2 -82.8 -81.2 -81.2 -81.2 -84.7 -84.7 -84.7 -84.7 -84.7 -84.7 -9.7 -79.7 -79.7 -79.7 -79.7 -79.7	IMPACT .577 AZA 43.7 42.5 42.4 40.3 41.4 42.6 43.6 44.7 43.6 44.7 43.6 44.7 43.6 44.7 43.6	ALT 113+3256 5-94315 5-88741 5-54852 5-71811 5-90061 6-08430 6-08430 6-28430 5-872502 5-872502 5-54852 5-16185 5-41996	8/A 0.899 0.908 0.905 0.937 0.905 0.877 0.879 0.910 0.940 0.968 0.979 0.968	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1 -95.5 -96.1 -94.7 -90.1 -85.4 -82.1 -81.8	ON .169 INCD 67.6 67.3 66.9 67.4 67.0 66.4 66.4 66.4 67.2	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 53.3 16.4 47.9 21.1 42.5 26.2 42.2 29.2 42.5 33.0 47.9 29.0 53.1 20.7 53.3 16.4 58.9 8.9 53.7 13.6 48.4 18.9	V 1 2.548 ALPHA 24.1 18.7 13.2 19.1 24.9 24.5 23.1 17.3 11.6 12.8 13.2 7.4 13.0	PTH AZ -65-185-115-040  SCALE PT-PT 0. 0-1 12-75730 1-2 17-31078 2-3 11-67074 3-4 12-45134 4-5 12-52200 5-6 13-35477 6-7 13-33653 7-8 12-44260 8-9 12-41602 9-10 11-69491 10-11 14-47728 11-12 10-73403 12-13 11-38848 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10 -642 - 20 -563 2 -10 -906 - 20 -897 3 -10 -510 - 20 -944 5 -10 -487 - 20 -527 6 -10 -896 - 20 -464 7 -11 -322 - 20 -396 8 -11 -327 - 20 -845 9 -11 -327 - 21 -301 11 -10 -531 - 21 -301 11 -10 -531 - 21 -335 12 -10 -241 - 21 -722 13 -10 -213 - 20 -982 15 -10 -1151 - 20 -577	RANGE 123-73826 123-88206 117-81211 120-90232 128-62804 128-62804 124-79693 124-79693 117-81211 114-63223 116-60151 119-37982 123-70750	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3 -48.8 -63.8 -71.1	AZN 6.2 6.7 6.4 7.8 8.6 7.0 5.4 5.1 4.7 6.1	AZSUN -84.2 -82.8 -81.2 -81.0 -80.7 -84.7 -84.7 -84.7 -79.7 -79.4 -79.0	IMPACT 577 AZA 43.7 42.4 41.4 40.3 41.4 42.6 43.6 44.6 43.6 43.6 43.6 43.6 43.6 43.6 44.6 45.6	ALT 113.32563 A 5.94315 5.88741 5.54852 5.71811 5.90061 6.08430 6.28203 5.87227 5.70502 5.54652 5.16185 5.47955 5.47955	B/A 0.899 0.909 0.968 0.937 0.877 0.877 0.879 0.910 0.940 0.968 0.979 0.992 0.992	Q8 -22.  AZPHAZ -93.5 -95.4 -85.1 -95.5 -95.5 -95.4 -85.4 -85.4 -87.9 -87.9	INCD 67.6 67.3 66.9 67.2 67.6 67.7 67.8 67.4 67.4 66.9 66.9 66.8 67.2	R 1848.78 PHAZ ENIS 43.0 26.6 47.6 24.6 53.3 16.4 47.9 21.1 42.5 26.2 42.5 33.0 53.3 25.6 53.1 20.7 53.3 16.4 53.7 13.6 48.4 18.9 48.4 18.9	V 1 2.548 ALPHA 24-1 18-7 13-2 19-1 24-5 23-1 17-3 11-6 12-8 13-0 18-7 7-4 13-0	PTH AZ -65-185_115.040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4 12.45134 4-5 12.52200 5-6 13.33653 7-8 12.44260 8-9 12.41482 9-10 11.69491 10-11 14.47928 11-12 10.73403 12-13 11.38848 13-14 12.13010 14-15
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.996 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.896 -20.464 7 -11.332 -20.396 8 -11.327 -20.845 9 -11.324 -21.264 10 -10.915 -21.301 11 -10.531 -21.335 12 -10.241 -21.322 13 -10.213 -21.363 14 -10.183 -20.982 15 -10.116 -20.143	RANGE 125.73826 123.88206 117.81211 120.90232 125.39924 128.32108 124.79693 124.79693 117.8121 114.63223 116.40151 119.37982 129.52330	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3 -48.8 -71.1 -75.2	AZN 6.2 6.7 4.9 6.4 7.8 8.2 8.6 5.4 5.1 4.9 3.3 4.7 6.1 7.5	SEC TO 48. AZSUN -84.2 -81.0 -80.7 -82.7 -84.7 -84.7 -84.7 -84.7 -79.7 -79.4 -79.6 -79.0 -78.6	IMPACT 577 AZA 43.7 42.5 41.4 40.3 41.6 43.6 44.6 43.5 42.4 42.4 40.4 39.3 38.3	ALT 113-32562 5-94315 5-88741 5-54852 5-71811 5-90061 6-08430 6-08893 6-08893 5-87227 5-70502 5-54852 5-16185 5-41996 5-577945 5-75064 5-93547	8/A 0.899 0.908 0.937 0.908 0.937 0.877 0.847 0.879 0.910 0.940 0.968 0.979 0.992 0.961 0.992	08 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -94.7 -95.1 -94.7 -90.1 -94.7 -90.1 -94.7 -90.1 -85.4 -82.1 -81.5 -80.8 -79.9 -78.9	ON 1169 INCD 67.6 67.3 66.9 67.2 67.6 67.7 67.8 67.4 67.0 66.9 66.9 66.8 67.2 67.2	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 47.9 21.1 42.5 26.2 42.2 29.2 42.5 33.0 47.9 29.0 53.3 25.6 53.1 20.7 53.3 16.4 95.3 16.9 95.3 16.9 95.3 16.9 95.3 16.9 95.3 16.9	V 1 2.548 ALPHA 24.1 18.7 13.2 19.1 24.5 23.1 17.3 11.6 12.8 13.2 7.4 13.0 18.7 24.5	PTH AZ -65-185.115.040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4 12.45134 4-5 12.52200 5-6 13.35477 6-7 13.33653 7-8 12.44260 8-9 12.41482 9-10 11.69491 10-11 14.47928 11-12 10.73403 12-13 11.3848 13-14 12.13010 14-15 12.97778 15-16
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.896 -20.464 7 -11.332 -20.464 7 -11.332 -20.464 10 -10.915 -21.301 11 -10.531 -21.335 12 -10.241 -21.264 10 -10.915 -21.303 14 -10.183 -20.982 15 -10.151 -20.571 6 -10.164 -20.173 16 -10.183 -20.982 15 -10.151 -20.571 16 -10.188 -20.000 19 -11.338 -19.912 20 -11.382 -19.816	RANGE 123-88206 117-81211 120-90232 128-6280 133-38693 128-6280 124-79693 120-60931. 117-81211 114-63223 116-4015 119-37982 129-52330 131-45215 149-12820	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -48.8 -71.1 -75.2 -77.9 -69.3 -52.7	AZN 6.7 4.9 6.4 8.6 7.0 5.4 5.1 7.5 8.9 9.7 10.2	SEC TO A SUN AZSU.2 -82.8 -81.0 7 -84.7 -84.7 -84.7 -84.7 -79.9 7 -79.4 -80.4 -80.4 -84.7 -86.9	IMPACT. 577 AZA 43.7 42.5 42.4 40.3 41.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.7 43.7 43.5 40.3 40.3 40.3 40.4 40.3 40.6	ALT 113-32563 A• 5.94315 5.88741 5.54825 5.71811 5.90061 6.088430 6.06895 5.87227 5.70502 5.16185 5.41996 5.57945 6.09819 6.29823 6.51449	8/A 0.899 0.909 0.905 0.847 0.847 0.847 0.847 0.940 0.961 0.961 0.929 0.961 0.929 0.895 0.811 0.820 0.811 0.820 0.811 0.820 0.811 0.820 0.811 0.820 0.821 0.	Q8 -22  AZPHAZ -93.5 -90.1 -85.4 -85.4 -95.5 -90.1 -94.7 -95.1 -94.7 -90.1 -95.1 -94.7 -90.1 -95.1 -94.7 -90.1 -96.1 -102.0	INCD 67.6 67.6 67.3 66.9 67.6 67.7 67.4 67.4 67.4 66.9 66.9 66.4 67.6 68.1 68.2 68.3	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 47.9 21.1 42.5 26.2 42.2 29.2 42.9 39.0 47.9 29.0 53.1 20.7 53.3 16.4 53.1 20.7 53.3 16.4 53.1 20.7 53.7 13.6 43.2 24.4 38.0 30.0 37.2 31.5 36.9 34.1 37.2 37.4	V V 2.548 ALPHA 24-1 18-7 13-2 19-1 17-3 11-6 12-8 13-2 7-4 13-0 18-7 24-4 30-0 30-3 28.7 25-8	PTH AZ -65-185 115.040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4 12.45134 4-5 12.52200 5-6 13.33673 7-8 12.44260 8-9 12.41420 9-10 11.69491 10-11 14.47728 11-12 10.73403 12-13 11.38484 13-14 12.13010 14-15 12.97778 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.696 -20.467 7 -11.332 -20.396 8 -11.327 -20.845 9 -11.324 -21.264 10 -10.915 -21.301 11 -10.531 -21.363 12 -10.241 -21.722 13 -10.241 -21.722 13 -10.183 -20.982 15 -10.151 -20.577 16 -10.116 -20.143 17 -10.464 -20.079 18 -10.886 -20.000 19 -11.338 -19.912 20 -11.823 -19.816 21 -11.799 -20.321	RANGE 123.88206 117.81211 120.90232 125.39924 128.62804 124.79693 124.79693 127.81211 114.62223 116.40151 119.37982 129.52330 131.45215 135.01066	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3 -48.9 -63.8 -71.1 -75.2 -77.9 -69.2 -60.3 -52.7 -46.4	AZN 6.2 6.7 4.9 6.4 7.8 8.26 7.0 5.1 4.9 3.7 6.1 7.9 9.2 7.0 2.0 9.1	SEC TO 4  A SUN 2  -84.2 8  -81.2 0 -80.7 -84.7 -84.7 -84.7 -99.9 -79.9 -79.7 -79.6 -80.4 -82.6 -84.7 -86.8	IMPACT. 577 AZA 43.7 42.5 42.4 40.3 41.6 43.6 43.6 43.6 42.5 41.4 42.5 41.4 42.5 41.4 42.5 41.4 42.5 41.4 42.5 41.4 42.5 43.6 44.6 43.6	ALT 113+32562 5-94315 5-88741 5-54852 5-71811 5-90061 6-08430 6-28295 5-87257 5-75062 5-54852 5-16185 5-41996 5-5775064 5-975064 6-29823 6-29823 6-29824 6-75002 6-49632	8/A 0.899 0.909 0.937 0.905 0.847 0.877 0.877 0.877 0.877 0.879 0.910 0.961 0.961 0.961 0.961 0.961 0.961 0.961 0.875 0.871 0.875 0.871	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1 -95.5 -95.5 -95.6 -80.8 -79.9 -80.8 -79.9 -84.0 -90.1 -96.1 -96.1	INCD 67.6 67.6 67.6 67.6 67.6 67.4 67.4 66.9 66.8 67.2 68.3 68.3 68.5	R 1848.78 PHAZ ENIS 43.0 26.6 47.6 24.6 47.9 21.1 42.5 26.2 42.2 29.2 42.5 33.0 53.3 16.4 47.9 29.0 53.3 25.6 8.9 53.7 13.6 48.4 18.0 37.2 37.4 38.2 24.4 38.0 30.0 37.2 37.4 38.2 41.1	V V 2-548 ALPHA 24-1 18-7 13-2 19-1 17-3 11-6 12-8 13-2 7-4 13-0 30-7 30-3 28-7 25-8 20-5	PTH AZ -65-185_115.040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4 12.45134 4-5 12.52200 5-6 13.35417 6-7 13.33653 7-8 12.44260 8-9 12.414260 8-9 11.69491 10-11 14.47928 11-12 10.73403 12-13 11.38848 13-14 12.13010 14-15 12.97778 15-16 10.68303 16-17 13.02056 17-18 13.92657 18-19 14.97890 19-20 15.00711 20-21
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10 -642 - 20 -563 2 -10 -906 - 20 -897 3 -10 -531 - 21 -335 4 -10 -510 - 20 -944 5 -10 -487 - 20 -527 6 -10 -896 - 20 -464 7 -11 -332 - 20 -384 9 -11 -324 - 21 -264 10 -10 -915 - 21 -301 11 -10 -531 - 21 -335 12 -10 -241 - 21 -722 13 -10 -213 - 20 -982 15 -10 -151 - 20 -577 16 -10 -116 - 20 -143 17 -10 -464 - 20 -079 18 -10 -886 - 20 -000 19 -11 -338 - 19 -912 20 -11 -823 - 19 -816 21 -11 -799 - 20 -321	RANGE 123.7826 123.88206 117.81211 120.90232 125.39924 128.62804 133.36693 124.79693 120.60931. 117.81211 114.63223 116.4015 119.37982 123.70750 129.52330 131.45215 149.17472 147.12820 139.83964	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3 -48.8 -71.1 -71.1 -69.2 -77.9 -69.2 -77.9 -69.3 -52.7	AZN 6.2 6.7 6.4 7.8 8.6 7.0 4 5.1 7.5 8.9 7.5 8.9 7.0 10.8 9.1	SEC TO SUNCE	IMPACT 43.5 42.5 42.6 44.6 44.6 44.6 44.7 42.6 44.7 42.6 44.7 42.6 44.7 42.6 44.7 42.6 44.7 43.8	ALT 113.32563 A 5.94315 5.88741 5.54852 5.71811 5.90061 6.088430 6.088430 6.06895 5.87227 5.70502 5.16185 5.4199 5.577945 6.29823 6.51449 6.29823 6.51449 6.75002 6.49632 6.49632	8/A 0.899 0.909 0.968 0.937 0.905 0.847 0.847 0.879 0.979 0.992 0.968 0.979 0.992 0.861 0.843 0.812 0.818	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -95.5 -95.1 -94.7 -95.1 -85.4 -82.1 -81.5 -80.8 -79.9 -78.9 -84.0 -90.1 -90.1 -102.0 -100.0	INCD 67.6 66.9 67.7 67.8 67.0 66.9 66.4 66.4 67.6 68.1 68.2 68.3 68.5 68.5	R 1848.78 PHAZ EMIS 643.0 26.6 47.6 24.6 47.9 21.1 42.5 26.2 42.5 33.0 53.3 16.4 47.9 29.2 42.5 33.0 53.3 25.6 48.4 88.0 30.0 48.4 88.0 30.0 37.2 31.4 38.3 37.2 37.2 37.4 43.3 37.2 43.3 37.2 43.3 37.2 43.3 37.2	V V 2-548  ALPHA 24-1 18-7 13-2 19-1 24-9 24-5 23-1 17-3 11-6 12-8 13-2 7-4 13-0 18-7 24-4 30-7 30-7 25-8 20-5 15-1	PTH AZ -65-185_115.040  SCALE PT-PT 0. 0-1 12.75730 1-2 17.31078 2-3 11.67074 3-4 12.45134 4-5 12.52200 5-6 13.33653 7-8 12.44260 8-9 12.41482 9-10 11.69491 10-11 14.47928 11-12 10.73403 12-13 11.38848 13-14 12.13010 14-15 12.97778 15-16 10.68303 16-17 13.02056 17-18 13.92657 18-19 14.97890 19-20 15.00711 20-21 13.87819 21-22
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.487 -20.396 8 -11.327 -20.845 9 -11.324 -21.264 10 -10.915 -21.301 11 -10.551 -21.335 12 -10.241 -21.322 13 -10.213 -21.363 14 -10.183 -20.982 15 -10.151 -20.577 16 -10.116 -20.143 17 -10.464 -20.079 18 -10.886 -20.000 19 -11.338 -19.912 20 -11.932 -19.816 21 -11.778 -20.321 22 -11.778 -20.321 22 -11.778 -20.789	RANGE 125. 73826 123. 88206 117. 81211 120. 90232 125. 39924 128. 62804 124. 79693 120. 60931 117. 8121 114. 63223 116. 40151 119. 37982 129. 52330 131. 45215 135. 01066 140. 17472 147. 12820 139. 83964 139. 83964 139. 83964	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3 -48.8 -71.1 -75.2 -77.9 -60.3 -52.7 -46.4 -40.5	AZN 6.2 6.7 4.9 6.4 7.8 8.6 7.0 5.1 4.9 9.7 10.2 9.7 10.2 10.8	SEC TO AZ SUN AZ	IMPACT. 577  AZA7 42.5 42.4 40.3 41.6 43.6 43.6 43.6 43.7 43.5 41.4 42.5 41.4 39.3 39.3 40.4 38.3 40.6 41.5 43.8 44.8	ALT 113+3256; 5-94315 5-88741; 5-54852 5-71811; 5-90061 6-08430 6-28430 6-28430 5-870502; 5-54852 5-16185 5-41996 5-575064 5-575064 6-93547 6-09819 6-29436 6-251449 6-75002 6-49632 6-49632 6-26485 6-05205	8/A 0.899 0.909 0.937 0.905 0.877 0.847 0.910 0.968 0.979 0.961 0.968 0.979 0.871 0.873 0.812 0.873 0.812 0.815 0.81	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1 -95.5 -95.1 -94.7 -90.1 -81.5 -80.8 -79.9 -84.0 -90.1 -90.1 -100.9 -100.9 -100.0	ON 1169 INCD 67.6 67.6 66.9 67.6 67.7 67.8 67.4 66.8 67.4 66.8 68.0 68.0 68.0 68.7 68.0	R 1848.78 PHAZ ENIS 43.0 26.6 47.6 24.6 47.9 21.1 42.5 26.2 42.2 29.2 42.5 33.0 53.3 16.4 47.9 29.0 53.3 25.6 53.1 20.7 53.3 16.4 48.4 18.9 943.2 24.4 88.0 30.0 37.2 31.5 36.9 34.1 38.2 41.1 38.2 41.1 38.3 37.2 48.4 33.3 37.2	V 2.548 ALPHA 24-1 18-7 13-2 19-1 24-9 24-5 23-1 17-3 11-6 12-8 13-2 7-4 13-0 30-7 30-3 28-7 25-8 20-5 15-1	PTH AZ -65-185-115-040  SCALE PT-PT 0. 0-1 12-75730 1-2 17-31078 2-3 11-67074 3-4 12-45134 4-5 12-5200 5-6 13-35477 6-7 13-33653 7-8 12-44260 8-9 12-41422 9-10 11-69491 10-11 14-47928 11-12 10-73403 12-13 11-3848 13-14 12-13010 14-15 12-97778 15-16 10-68303 16-17 13-02056 17-18 13-92657 18-19 14-97890 19-20 15-00711 20-21 13-87819 21-22 12-91000 22-23
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10 -642 - 20 -563 2 -10 -906 - 20 -897 3 -10 -531 - 21 -335 4 -10 -510 - 20 -944 5 -10 -487 - 20 -527 6 -10 -896 - 20 -464 7 -11 -332 - 20 -396 8 -11 -327 - 20 -845 9 -11 -324 - 21 -264 10 -10 -915 - 21 -301 11 -10 -531 - 21 -335 12 -10 -241 - 21 -722 13 -10 -213 - 21 -363 14 -10 -183 - 20 -982 15 -10 -151 - 20 -577 16 -10 -116 - 20 -143 17 -10 -646 - 20 -079 18 -10 -886 - 20 -000 19 -11 -338 -19 -912 20 -11 -823 -19 -816 21 -11 -799 - 20 -321 22 -11 -778 - 20 -789 23 -11 -759 - 21 -224 4 -11 -779 - 20 -789	RANGE 123.88206 117.81211 120.90232 128.62804 133.38693 128.32108 124.79693 120.60931 117.81211 114.63223 116.40151 119.37982 123.70750 129.52330 131.45215 135.01066 140.17472 147.12820 139.83964 134.36685 130.50889 128.07584	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.7 -37.3 -48.8 -71.1 -75.2 -77.9 -69.2 -77.9 -69.2 -77.9 -60.3 -79.7 -79.7 -79.7 -79.7 -79.7 -79.7 -79.7 -79.7 -79.7	AZN 6.2 6.7 6.4 7.8 8.6 7.4 5.1 4.9 3.3 4.7 7.5 8.9 9.2 10.8 1.4 5.7	SEC TO SUN AZSU2 -81.2 -82.8 -81.2 -81.0 -84.7 -84.7 -84.7 -79.9 -79.6 -84.7 -79.6 -86.8 -86.6 -	IMPACT 43.5 42.5 41.4 41.4 42.6 44.7 42.4 42.4 42.4 42.4 42.4 42.4 42.4	ALT 113.32563 5.94315 5.88741 5.54852 5.71811 5.90061 6.08430 6.28203 6.28203 6.28203 5.87227 5.70502 5.54852 5.41996 5.77506 5.75064 5.93547 6.99819 6.29823 6.51496 6.51032 6.516496 6.55205	LAT -9.9 8.899 0.908 0.908 0.937 0.877 0.877 0.879 0.910 0.940 0.968 0.979 0.991 0.895 0.871 0.843 0.812 0.812 0.815	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.4 -85.4 -85.4 -85.4 -82.1 -90.2 -79.9 -78.9 -78.9 -78.9 -78.9 -79.9 -78.9 -79.9	DN 169 INCD 67.6 67.6 66.9 67.7 67.6 66.9 66.8 67.2 67.6 66.8 67.6 66.8 67.6 66.8 67.6 66.8 67.6 66.7 67.6 66.8	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 47.9 21.1 42.5 26.2 42.5 33.0 47.9 23.3 16.4 47.9 23.3 16.4 53.1 20.7 53.3 16.4 48.4 18.9 53.7 13.6 48.4 18.9 37.2 31.5 36.9 34.1 37.2 37.4 43.3 37.2 53.8 30.8 53.8 30.8	V 2.548 ALPHA 24-1 18-7 13-2 19-1 24-5 23-1 17-3 11-6 12-8 13-2 7-4 30-0 30-7 30-3 28-7 30-3 28-7 30-3 28-7 30-3 4-2 5-8 20-5	PTH AZ -65-185.115.040  SCALE PT-PT 0. 0-1 12:75730 1-2 17:31078 2-3 11.67074 3-4 12.45134 4-5 12.452200 5-6 13:33457 6-7 13:33653 7-8 12:44260 8-9 12.41420 9-10 11.69491 10-11 14.47928 11-12 10.73403 12-13 11.38484 13-14 12.13010 14-15 12.97778 15-16 10.68303 16-17 13.02056 17-18 13.92657 18-19 14.97890 19-20 15.00711 20-21 13.87819 21-22 12.91060 22-23 12.91080 22-23
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.887 -20.527 6 -10.886 -20.464 7 -11.332 -20.396 8 -11.327 -20.845 9 -11.324 -21.264 10 -10.915 -21.301 11 -10.531 -21.353 12 -10.241 -21.722 13 -10.213 -21.363 14 -10.183 -20.982 15 -10.151 -20.577 16 -10.116 -20.143 17 -10.464 -20.079 18 -10.886 -20.000 19 -11.338 -19.912 20 -11.823 -19.816 21 -11.799 -20.321 22 -11.778 -20.789 23 -11.759 -21.224 24 -11.742 -21.630	RANGE 123-88206 117-81211 120-90232 125-39924 128-62804 133-38693 124-79693 120-60931. 117-81211 114-63223 116-6015 119-37982 129-52330 131-45215 135-01066 140-17472 147-12820 139-83964 130-50889 128-07584 122-05889 128-07584	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -39.3 -29.7 -37.3 -48.8 -41.1 -75.2 -77.9 -60.3 -52.7 -40.5 -33.2 -24.5 -33.2	AZN 6.2 6.7 6.4 7 6.4 7 8 8.2 8.6 7.0 5.4 1 4.9 3.3 7 6.1 7.5 8.9 9.2 7 10.2 10.8 9.1 7.4 7.5 7.3 9.3 3.8	SEC TO AZ SUN 2 -84-8 -84-8 -84-7 -84-8 -83-0 -80-7 -79-4 -79-0 -80-4 -86-8 -8	IMPACT .577 AZA7 42.5 41.4 41.4 41.4 42.6 43.6 44.5 42.4 39.3 39.3 40.5 41.5 42.8 46.8 46.8	ALT 113+3256; 5-94315 5-88741 5-54852 5-71811 5-90061 6-08430 6-08895 5-872502 5-54852 5-16185 5-41996 5-5775064 6-298123 6-51449 6-75062 6-298123 6-51449 6-75062 6-251649 6-75062 6-251649 6-75062 6-251649 6-75062 6-251649 6-75062 6-251649 6-75062 6-251649 6-75062 6-251649 6-75062 6-251649 6-75062 6-251649 6-75062 6-85513	LAT -9.2 8/A 0.899 0.908 0.937 0.905 0.879 0.910 0.979 0.961 0.961 0.979 0.961 0.929 0.847 0.879 0.910 0.985 0.879	Q8 -22 AZPHAZ -93.5 -90.1 -85.4 -85.1 -84.6 -90.1 -95.5 -95.1 -94.7 -94.7 -82.1 -81.5 -80.8 -79.9 -78.9 -84.0 -90.1 -90.2 -90.5	ON	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 47.9 21.1 42.5 26.2 42.2 29.2 42.2 29.0 47.9 29.0 53.3 16.4 47.9 29.0 53.3 25.6 53.3 25.6 48.4 18.9 38.0 30.0 37.2 31.5 38.0 30.0 37.2 31.5 38.0 33.7 38.2 41.1 37.2 37.4 48.4 33.7 38.2 41.1 57.8 37.2 58.6 23.7	V 2.548  ALPHA 24-1 18-7 13-2 19-1 24-9 24-5 23-1 17-3 11-6 12-8 13-2 7-4 13-0 18-7 24-4 30-0 30-7 30-3 28-7 25-8 20-5 15-1 9-6	PTH AZ -65-185-115-040  SCALE PT-PT 0. 0-1 12:75730 1-2 17-31078 2-3 11-67074 3-4 12-45134 4-5 12:52200 5-6 13.35477 6-7 13.33653 7-8 12:44200 8-9 12:41482 9-10 11-69491 10-11 14-47728 11-12 10:73403 12-13 11.38848 13-14 12:13010 14-15 12:97778 15-16 10:68303 16-17 13.02056 17-18 13.92657 18-19 14-97890 19-20 13.487819 21-22 12:91080 22-23 12:07183 23-24 12:77989 24-25
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.642 -20.563 2 -10.906 -20.897 3 -10.531 -21.335 4 -10.510 -20.944 5 -10.487 -20.527 6 -10.887 -20.527 6 -10.886 -20.464 7 -11.332 -20.396 8 -11.327 -20.845 9 -11.324 -21.264 10 -10.915 -21.301 11 -10.531 -21.353 12 -10.241 -21.722 13 -10.213 -21.363 14 -10.183 -20.982 15 -10.151 -20.577 16 -10.116 -20.143 17 -10.464 -20.079 18 -10.886 -20.000 19 -11.338 -19.912 20 -11.823 -19.816 21 -11.799 -20.321 22 -11.778 -20.789 23 -11.759 -21.224 24 -11.742 -21.630	RANGE 123-88206 117-81211 120-90232 128-62804 133-38693 128-32108 124-79693 120-60931 117-81211 114-63223 116-40151 119-37982 123-70750 129-52330 131-45215 135-01066 140-17472 147-12820 139-83964 140-17472 147-12820 139-83964 128-07584 128-07584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584 128-05584	AZS/C -38.0 -47.5 -48.8 -58.6 -64.9 -54.9 -46.8 -33.29.7 -37.3 -48.8 -71.1 -75.2 -77.9 -69.2 -77.9 -69.2 -77.9 -46.4 -40.5 -77.9 -46.4 -40.5 -77.9 -46.4 -40.5 -77.9 -77	AZN 6.2 6.7 6.7 8.2 8.6 7.8 8.6 7.8 9.2 9.2 10.8 9.2 10.2 10.2 3.3 3.3 4.9 9.2 9.2 9.2 9.2 9.3 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	SEC TO SUN AZSU2 -81.2 -82.8 -81.2 -81.0 -84.7 -84.7 -84.7 -79.9 -79.6 -84.7 -79.6 -86.8 -86.6 -	IMPACT  AZA7 42.5 42.5 41.4 40.4 42.6 44.7 42.4 41.4 40.4 33.3 40.5 42.7 42.4 40.4 43.6 44.7 41.4 40.4 43.6 44.7 41.4 40.4 40.4 40.4 40.4 40.4 40.4 40.4	ALT 113.32563 5.94315 5.88741 5.54852 5.71811 5.90061 6.08430 6.28203 6.28203 6.28203 5.87227 5.70502 5.54852 5.41996 5.77506 5.75064 5.93547 6.99819 6.29823 6.51496 6.51032 6.516496 6.55205	LAT 5 -9.2 8/8 0.899 0.908 0.908 0.937 0.877 0.8479 0.910 0.940 0.940 0.940 0.940 0.940 0.978 0.97	Q8 -22  AZPHAZ -93.5 -90.1 -85.4 -85.1 -94.7 -95.5 -90.1 -94.7 -90.1 -95.4 -82.1 -81.5 -82.1 -81.5 -90.1 -90.1 -90.1 -90.1 -90.1 -90.2 -90.1 -90.3 -90.1	ON	R 1848.78 PHAZ EMIS 43.0 26.6 47.6 24.6 47.9 21.1 42.5 26.2 42.5 33.0 47.9 23.3 16.4 47.9 23.3 16.4 53.1 20.7 53.3 16.4 48.4 18.9 53.7 13.6 48.4 18.9 37.2 31.5 36.9 34.1 37.2 37.4 43.3 37.2 53.8 30.8 53.8 30.8	V 2.548 ALPHA 24-1 18-7 13-2 19-1 24-5 23-1 11-6 12-8 13-2 7-4 13-0 18-7 24-4 30-0 30-7 25-8 20-5 15-1 9-6 7-1	PTH AZ -65-185.115.040  SCALE PT-PT 0. 0-1 12:75730 1-2 17:31078 2-3 11.67074 3-4 12.45134 4-5 12.452200 5-6 13:33457 6-7 13:33653 7-8 12:44260 8-9 12.41420 9-10 11.69491 10-11 14.47928 11-12 10.73403 12-13 11.38484 13-14 12.13010 14-15 12.97778 15-16 10.68303 16-17 13.02056 17-18 13.92657 18-19 14.97890 19-20 15.00711 20-21 13.87819 21-22 12.91060 22-23 12.91080 22-23

	RA-VII CAMER	A FA 96
JULY 31,1964 13 HR 25 MIN 5 SEC 342 MS	TAB NO	191 ATLAS PHOTO NO 191 POD SEQUENCE NO 388
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON R V PTH AZ
	43.457	101.47412 -9.980 -22.012 1836.929 2.555 -65.082 115.011
PHOTO DATA PT LAT LON RANGE AZS/C AZ	N AZSUN AZA	A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT
1 -10.639 -20.568 112.60466 -38.2 6.	2 -84.3 43.5	5.32524 0.899 -93.5 67.6 43.1 26.5 24.0 0. 0-1
2 -10.879 -20.862 111.00950 -47.6 6. 3 -10.542 -21.255 105.55778 -48.9 4.		5.27565 0.909 -90.1 67.3 47.6 24.7 18.7 11.36508 1~ 2 4.97138 0.968 -85.4 66.9 53.2 16.5 13.3 15.51562 2~ 3
3 -10.542 -21.255 105.55778 -48.9 4. 4 -10.524 -20.904 108.33841 -58.6 6.		5.12389 0.937 -85.1 67.3 47.9 21.1 19.1 10.46047 3- 4
5 -10.504 -20.530 112.37220 -64.9 7.	8 -80.7 40.4	5.28762 0.905 -84.6 67.6 42.5 26.2 24.9 11.15911 4- 5
6 -10.870 -20.474 115.26588 -54.9 8.		5.45225 0.877 -90.1 67.7 42.2 29.2 24.5 11.22133 5-6 5.62893 0.847 -95.5 67.8 42.5 32.9 23.1 11.96310 6-7
7 -11.260 -20.413 119.51966 -46.9 8. 8 -11.256 -20.816 114.97857 -39.4 7.		5.43791 0.879 -95.1 67.4 47.9 28.9 17.4 11.45066 7-8
9 -11.253 -21.191 111.80956 -29.9 5-	4 -84.8 44.4	5.20115 0.910 -94.7 67.1 53.3 25.6 11.7 11.15153 8- 9
10 -10.887 21.224 108.06513 -37.5 5. 11 -10.542 -21.255 105.55778 -48.9 4.		5.11166 0.940 -90.1 67.0 53.1 20.7 12.9 11.12067 9-10 4.97138 0.968 -85.4 66.9 53.2 16.5 13.3 10.47884 10-11
11 -10.542 -21.255 105.55778 -48.9 4. 12 -10.283 -21.602 102.68547 -49.1 3.		4.62551 0.980 -82.1 66.6 58.9 9.1 7.6 12.97690 11-12
13 -10.258 -21.280 104.28736 -63.7 4.		4.85588 0.991 -81.5 66.9 53.7 13.7 13.1 9.61892 12-13
14 -10.231 -20.939 106.96710 -70.9 6. 15 -10.202 -20.575 110.84906 -75.1 7.		4.99930 0.961 -80.8 67.2 48.4 19.0 18.7 10.20675 13-14 5.15289 0.929 -79.9 67.6 43.2 24.5 24.4 10.87055 14-15
15 -10.202 -20.575 110.84906 -75.1 7. 16 -10.171 -20.187 116.05502 -77.8 8.		5.31827 0.895 -78.9 67.9 38.0 29.9 29.9 11.62624 15-16
17 -10.482 -20.129 117.79020 -69.1 9.	2 -80.4 39.4	5.46441 0.872 -84.0 68.0 37.2 31.5 30.6 9.57364 16-17
18 -10.861 -20.058 120.97749 -60.3 9. 19 -11.266 -19.980 125.59054 -52.8 10.		5.64360 0.843 -90.1 68.1 36.9 34.1 30.3 11.66687 17-18 5.83672 0.813 -96.1 68.2 37.2 37.3 28.7 12.47317 18-19
19 -11.266 -19.980 125.59054 -52.8 10. 20 -11.700 -19.894 131.78882 -46.5 10.		6.04627 0.782 -102.0 68.4 38.2 41.0 25.7 13.40437 19-20
21 -11.678 -20.347 125.27607 -40.6 9-	1 -86.8 43.6	5.81975 0.816 -100.9 67.9 43.3 37.1 20.5 13.43542 20-21
22 -11.659 -20.765 120.37417 -33.4 7. 23 -11.642 -21.155 116.90791 -24.7 5.		5.61242 0.848 -100.0 67.5 48.6 33.6 15.1 12.43253 21-22 5.42132 0.879 -99.2 67.1 53.8 30.7 9.7 11.56867 22-23
23 -11.642 -21.155 116.90791 -24.7 5. 24 -11.627 -21.519 114.70982 -14.7 4.		5.24407 0.909 -98.5 66.8 59.0 28.7 4.4 10.81667 23-24
25 -11.250 -21.543 109.85808 -18.2 3.	8 -84.8 45.4	5.09663 0.939 -94.3 66.7 58.6 23.2 6.1 11.44948 24-25
26 -10.895 -21.565 106.28959 -23.6 3. 27 -10.560 -21.585 103.89753 -33.2 3.		4.95857 0.969 -90.1 66.7 58.4 17.8 7.2 10.76781 25-26 4.82860 0.997 -85.8 66.6 58.5 12.8 7.7 10.16533 26-27
28 -10.283 -21.602 102.68547 -49.1 3.		4.62551 0.980 -82.1 66.6 58.9 9.1 7.6 8.40550 27-28
	74B NO	192 ATLAS PHOTO NO 192 POD SEQUENCE NO 390
JULY 31,1964 13 HR 25 MIN 10 SEC 462 MS	TAB NO	192 ATLAS PHOTO NO 192 POD SEQUENCE NO 390
TRAJECTORY DATA	SEC TO IMPACT	
PHOTO DATA	38.338	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981
PHOTO DATA PT LAT LON RANGE AZS/C AZ	38.338 N AZSUN AZA	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A• 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT
PHOTO DATA PT LAT LON RANGE AZS/C AA 1 -10-637 -20-572 99-44372 -38-3 6-	38.338 N AZŞUN AZA 2 -84.3 43.3	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 4.70540 0.899 -93.5 67.6 43.2 26.4 24.0 0. 0-1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2
PHOTO DATA PT LAT LON RANGE AZS/C AZ 1 -10.637 -20.572 99.44372 -38.3 6. 2 -10.851 -20.828 98.09504 -47.7 6. 3 -10.554 -21.175 93.26664 -49.1 5.	38.338 N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 4.70540 0.899 -93.5 67.6 43.2 26.4 24.0 0. 0-1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 13.71367 2-3
PHOTO DATA PT LAT LON RANGE AZS/C AZ 1 -10.637 -20.572 99.44372 -38.3 6. 2 -10.851 -20.828 98.09504 -47.7 6. 3 -10.554 -21.175 93.26664 -49.1 5. 4 -10.537 -20.865 95.73389 -58.6 6.	38.338 N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2 4 -81.0 41.3	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A. 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 4.70540 0.899 -93.5 67.6 43.2 26.4 26.0 0. 0 - 1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1- 2 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 13.71367 2- 3 4.52775 0.937 -85.0 67.3 47.9 21.2 19.1 9.24568 3- 4
PHOTO DATA PT LAT LON RANGE AZS/C AZ 1 -10.637 -20.572 99.44372 -38.3 6. 2 -10.851 -20.828 98.09504 -47.7 6. 3 -10.554 -21.175 93.26664 -49.1 5. 4 -10.537 -20.865 95.73389 -58.6 6. 5 -10.519 -20.535 99.30198 -64.8 7.	38.338 N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2 4 -81.0 41.3 8 -80.7 40.4	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 0.70540 0.899 -93.5 67.6 43.2 26.4 24.0 0.0 -1 0.099 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 13.71367 2-3 4.52775 0.937 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 4.67260 0.905 -84.6 67.6 42.5 26.2 24.9 9.86228 4-5 4.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6
PHOTO DATA PT LAT LON RANGE AZS/C AZ 1 -10.637 -20.572 99.44372 -38.3 6 2 -10.851 -20.828 98.09504 -47.7 6 3 -10.554 -21.175 93.26664 -49.1 5 4 -10.537 -20.865 95.73389 -58.6 6 5 -10.519 -20.535 99.30198 -64.8 7 6 -10.843 -20.485 101.85925 -55.0 8 7 -11.188 -20.431 105.60867 -47.0 8	38.338  N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2 4 -81.0 41.3 8 -80.7 40.4 2 -92.7 41.4 6 -84.8 42.4	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A* 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 4.70540 0.899 -93.5 67.6 43.2 26.4 24.0 0. 0 - 1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1- 2 4.39252 0.967 -85.6 67.0 53.2 16.5 13.4 13.71367 2- 3 4.52775 0.937 -85.0 67.3 47.9 21.2 19.1 9.24563 3- 4 4.67260 0.905 -84.6 67.6 42.5 26.2 24.9 9.86228 4- 5 4.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5- 6 4.97378 0.848 -95.5 67.8 42.5 32.9 23.1 10.56775 6- 7
PHOTO DATA  PT LAT LON RANGE AZS/C A	38.338  N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2 4 -81.0 41.3 8 -80.7 40.4 2 -82.7 41.4 6 -84.8 42.4 0 -84.8 43.3	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 4.70540 0.899 -93.5 67.6 43.2 26.4 24.0 0. 0 -1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 13.71367 2-3 4.52775 0.937 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 4.67260 0.905 -84.6 67.6 42.5 26.2 24.9 9.86228 4-5 4.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6 4.97378 0.848 -95.5 67.8 42.5 32.9 23.1 10.56775 6-7 4.80491 0.879 -95.1 67.5 47.9 28.9 17.4 10.56024 7-8
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PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -10.637 -20.572 99.44372 -38.3 6. 2 -10.851 -20.828 98.09504 -47.7 6. 3 -10.554 -21.175 93.26664 -49.1 5. 4 -10.537 -20.865 95.73389 -58.6 6. 5 -10.519 -20.535 99.30198 -64.8 7. 6 -10.843 -20.485 101.85925 -55.0 8. 8 -11.188 -20.431 105.60867 -47.0 8. 8 -11.184 -20.787 101.59458 -39.6 7. 9 -11.181 -21.119 98.78452 -30.1 5. 10 -10.658 -21.148 95.48294 -37.7 5.	38.338 N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2 4 -81.0 41.3 2 -82.7 41.4 0 -84.8 43.3 4 -84.9 44.2 2 -83.0 43.2	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A. 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT (-7.0540 0.899 -93.5 67.6 43.2 26.4 26.0 0. 0 -1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 4.39252 0.967 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 4.67260 0.905 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 4.67260 0.905 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 4.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6 4.97378 0.848 -95.5 67.8 42.5 32.9 23.1 10.56775 6-7 4.80491 0.879 -95.1 67.5 47.9 28.9 17.4 10.56024 7-8 4.64826 0.910 -94.7 67.1 53.3 25.6 11.8 9.85580 8-9 4.51651 0.939 -90.1 67.1 53.3 20.6 13.0 9.85284 9-10 4.39252 0.967 -85.4 67.0 53.2 16.5 13.1 0.982324 9-10
PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -10.637 -20.572 99.44372 -38.3 6 2 -10.651 -20.828 98.09504 -47.7 6 3 -10.554 -21.175 93.26664 -49.1 5 5 -10.519 -20.535 99.30198 -64.8 7 6 -10.643 -20.485 101.85925 -55.0 8 7 -11.188 -20.431 105.60867 -47.0 8 8 -11.184 -20.787 101.59458 -39.6 7 9 -11.181 -21.119 98.78452 -30.1 5 10 -10.658 -21.148 95.48294 -37.7 5 11 -10.554 -21.175 93.26664 -49.1 5 12 -10.2525 -21.482 90.70834 -49.3 3	38.338  N AZSUN AZA 2 -84.3 43.3 0 -81.2 42.2 4 -81.0 41.3 8 -80.7 40.4 2 -82.7 41.4 0 -94.8 42.4 0 -94.8 43.3 4 -84.9 44.2 2 -83.0 43.2 0 -19.9 42.3	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A.
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PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 - 10.637 - 20.572 99.44372 - 38.3 6 2 - 10.651 - 20.828 98.09504 - 47.7 6. 3 - 10.554 - 21.175 93.26664 - 49.1 5. 5 - 10.519 - 20.535 99.30198 - 64.8 7. 6 - 10.843 - 20.485 101.85925 - 55.0 8. 7 - 11.188 - 20.431 105.60867 - 47.0 8. 8 - 11.184 - 20.787 101.59458 - 39.6 7. 9 - 11.181 - 21.119 98.78452 - 30.1 5. 10 - 10.658 - 21.148 95.48294 - 37.7 5. 11 - 10.554 - 21.175 93.26664 - 49.1 5. 12 - 10.325 - 21.482 90.70834 - 49.3 3. 13 - 110.302 - 21.198 92.13839 - 63.6 6. 14 - 10.279 - 20.896 94.51598 - 70.8 6. 15 - 10.253 - 20.575 97.94971 - 75.0 7. 16 - 10.226 - 20.231 102.54504 - 77.7 8.	38.338  N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2 4 -81.0 41.3 8 -80.7 40.4 6 -84.8 42.4 0 -84.8 42.4 0 -84.8 43.3 2 -83.0 43.2 4 -79.9 42.3 2 -79.6 41.3 2 -79.6 41.3 2 -79.6 39.6 6 -79.0 39.6 6 -79.0 38.6	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A* 8/A AZPHAZ INCD PHAZ EMIS ALPHA 5CALE 0-1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 13.71367 2-3 4.52775 0.937 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 4.67260 0.905 -84.6 67.6 42.5 26.2 24.9 9.86228 4-5 4.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6 4.97378 0.887 -95.5 67.8 42.5 32.9 23.1 10.56024 7-8 4.68049 0.810 -94.7 67.1 53.3 25.6 11.8 9.85580 8-9 4.51651 0.939 -90.1 67.1 53.3 25.6 11.8 9.85580 8-9 4.51651 0.939 -90.1 67.1 53.3 25.6 11.8 9.85580 8-9 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 9.25858 10-11 4.08743 0.980 -82.1 66.7 58.9 9.2 7.7 11.46923 11-12 4.2918 0.991 -85.5 67.0 33.2 16.5 13.2 8.50016 12-13 4.41735 0.960 -80.7 67.3 88.4 19.0 18.8 9.02079 13-14 4.55523 0.929 -79.9 67.6 43.2 24.5 24.4 9.00666 14-15 4.69915 0.896 -78.9 67.9 38.0 29.9 2.9 9.9 10.27094 15-16
PHOTO DATA  PT LAT LON RANGE AZS/C A	38.338  N AZSUN AZA 7 -82.9 42.3 0 -81.2 42.2 0 -81.0 41.3 8 -80.7 40.4 6 -84.8 42.4 0 -84.8 43.3 4 -84.9 44.2 0 -81.2 42.2 4 -79.9 42.3 2 -79.3 40.5 6 -79.0 39.6 9 -80.4 39.5	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT (1.70540 0.899 -93.5 67.6 43.2 26.4 24.0 0.0 0-1 (1.406190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 (1.406190 0.909 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 (1.5275 0.937 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 (1.67260 0.905 -84.6 67.6 42.5 26.2 24.9 9.86228 4-5 (1.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6 (1.97378 0.848 -95.5 67.8 42.5 32.9 23.1 10.56775 6-7 (1.80618 0.897 -90.1 67.5 47.9 28.9 17.4 10.56024 7-8 (1.6826 0.910 -94.7 67.1 53.1 20.8 13.0 9.85380 8-9 (1.51815 0.939 -90.1 67.1 53.1 20.8 13.0 9.82324 9-10 (1.68743 0.980 -82.1 66.7 58.9 9.2 7.7 11.46923 11-12 (1.708743 0.980 -82.1 66.7 58.9 9.2 7.7 11.46923 11-12 (1.708743 0.990 -81.5 67.0 53.7 13.8 13.2 8.50016 12-13 (1.708743 0.990 -80.7 67.3 48.4 19.0 18.8 9.2079 13-14 (1.5523 0.929 -79.9 67.4 43.2 24.5 24.7 9.00666 14-15 (1.69915 0.896 -78.9 67.9 38.0 29.9 9.9 10.27094 15-16 (1.69915 0.896 -78.9 67.9 38.0 29.9 9.9 10.27094 15-16 (1.69858 0.872 -84.0 68.0 37.2 31.5 30.6 8.46033 16-17
PHOTO DATA  PT LAT LON RANGE AZS/C A	38.338  N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2 0 -81.0 41.3 8 -80.7 40.4 6 -84.8 42.4 4 -84.9 44.2 0 -81.2 42.2 0 -81.2 42.2 0 -81.2 42.2 0 -81.2 42.2 1 -79.9 41.3 2 -79.6 41.3 2 -79.6 41.3 7 -82.5 40.5 7 -82.5 40.5	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A* 8/A AZPHAZ INCD PHAZ EMIS ALPHA C. 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
PHOTO DATA  PT LAT LON RANGE AZS/C AZ  1 -10.637 -20.572 99.44372 -38.3 6. 2 -10.851 -20.828 98.09504 -47.7 6. 3 -10.554 -21.175 93.26664 -49.1 5. 5 -10.519 -20.865 95.73389 -58.6 6. 5 -10.519 -20.865 95.73389 -58.6 6. 6 -10.443 -20.465 101.85925 -55.0 8. 7 -11.188 -20.431 105.60867 -47.0 8. 8 -11.184 -20.431 105.60867 -47.0 8. 8 -11.184 -20.787 101.59458 -39.6 7. 9 -11.181 -21.119 98.78452 -30.1 5. 10 -10.654 -21.175 93.26664 -49.1 5. 11 -10.554 -21.175 93.26664 -49.1 5. 12 -10.325 -21.482 90.70834 -49.3 3. 13 -10.302 -21.198 92.13839 -63.6 4. 14 -10.279 -20.896 94.51598 -70.8 6. 15 -10.236 -20.575 97.94971 -75.0 7. 16 -10.226 -20.231 102.54504 -77.7 8. 17 -10.550 -20.188 106.89936 -60.3 9. 18 -10.835 -20.118 106.89936 -60.3 9. 19 -11.193 -20.049 110.96289 -52.8 10. 20 -11.576 -19.974 116.41115 -46.6 10.	38.338  N AZSUN AZA 2 -84.3 43.3 0 -81.2 42.2 0 -81.0 41.3 8 -80.7 40.4 6 -84.8 42.4 6 -84.8 43.3 4 -84.9 44.2 2 -83.0 43.2 4 -79.9 42.3 2 -79.3 40.5 6 -79.0 39.6 9 -78.6 38.6 2 -80.4 39.5 7 -82.5 40.5 1 -84.7 41.5 7 -86.9 42.5	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A. 8/A AZPHAZ INCD PHAZ EMIS ALPHA C. 70540 0.899 -93.5 67.6 43.2 26.4 24.0 0. 0 -1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 13.71367 2-3 4.52775 0.937 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 4.67260 0.905 -84.6 67.6 42.5 26.2 24.9 9.86228 4-5 4.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6 4.97378 0.848 -95.5 67.8 42.5 32.9 23.1 10.56775 6-7 4.80491 0.879 -95.1 67.5 47.9 28.9 17.4 10.56024 7-8 4.64826 0.910 -94.7 67.1 53.3 25.6 11.8 9.85880 8-9 4.51651 0.910 -94.7 67.1 53.3 25.6 11.8 9.85880 8-9 4.59252 0.967 -85.4 67.0 53.2 16.5 13.4 9.25855 10-11 4.08743 0.980 -82.1 66.7 58.9 9.2 7.7 11.46923 11-12 4.2918 0.991 -81.5 67.0 53.7 13.8 13.2 8.50016 12-13 4.41735 0.960 -80.7 67.3 88.4 19.0 18.8 9.02079 13-14 4.5523 0.929 -77.9 47.6 43.2 24.5 24.5 24.9 9.00666 14-15 4.5823 0.929 -77.9 47.6 43.2 24.5 24.9 9.00666 14-15 4.980867 0.844 -90.1 68.1 36.9 34.0 30.2 10.27094 15-16 4.98867 0.844 -90.1 68.1 36.9 34.0 30.2 10.27094 15-16 5.36076 0.783 -102.0 68.3 38.2 40.9 25.5 11.00640 18-19 5.36076 0.783 -102.0 68.3 38.2 40.9 25.5 11.10.0640 18-19 5.36076 0.783 -102.0 68.3 38.2 40.9 25.5 11.10.0640 18-19 5.36076 0.783 -102.0 68.3 38.2 40.9 25.5 11.10.0640 18-19
PHOTO DATA  PT LAT LON RANGE AZS/C A	38.338  N AZSUN AZA 2 -84.3 43.3 7 -82.9 42.3 0 -81.2 42.2 2 -82.7 41.4 6 -84.8 42.4 4 -88.0 -7 41.4 6 -84.8 43.3 4 -88.9 44.2 2 -83.0 43.2 U -81.2 42.2 U -81.2 42.2 0 -81.2 42.2 0 -81.2 42.2 1 -79.9 42.3 8 -79.6 41.3 2 -79.3 40.5 6 -79.0 39.6 9 -78.6 38.6 7 -82.5 40.5 7 -86.9 42.5 7 -86.9 42.5 0 -86.9 43.4	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A**  **R**  **R**  **A**  **PHAZ**  **INCD**  **PHAZ**  **ENIS**  **A**  **O-1**  **A**  **O-1**  *
PHOTO UATA  PT LAT LON RANGE AZS/C AZ  1 -10.637 -20.572 99.44372 -38.3 6  2 -10.851 -20.828 98.09504 -47.7 6.  3 -10.554 -21.175 93.26664 -49.1 5.  5 -10.519 -20.535 99.30198 -64.8 7.  6 -10.843 -20.485 101.85925 -55.0 8.  7 -11.188 -20.431 105.60867 -47.0 8.  8 -11.184 -20.787 101.59458 -39.6 7.  9 -11.181 -21.119 98.78452 -30.1 5.  10 -10.858 -21.148 95.48294 -37.7 5.  11 -10.554 -21.175 93.26664 -49.1 5.  12 -10.325 -21.482 90.70834 -49.3 3.  13 -10.302 -21.198 92.13839 -63.6 4.  4 -10.279 -20.896 94.51598 -70.8 6.  15 -10.253 -20.575 97.94971 -75.0 7.  16 -10.226 -20.231 102.54504 -77.7 8.  18 -10.835 -20.118 106.8926 -69.1 9.  18 -10.835 -20.118 106.8926 -69.1 9.  19 -11.193 -20.049 110.96289 -52.8 10.  20 -11.576 -19.974 116.41115 -46.6 10.  21 -11.557 -20.373 110.67250 -40.7 9.  -22 -11.550 -20.173 106.34294 -33.5 5.  23 -11.555 -21.087 103.4294 -33.5 5.	38.338  N AZSUN AZA 2 -84.3 43.3 0 -81.2 42.2 0 -81.2 42.2 0 -81.2 42.4 0 -80.4 43.3 0 -81.7 40.4 6 -84.8 42.4 0 -84.8 42.4 0 -84.8 43.3 2 -83.0 43.2 4 -79.9 42.3 2 -79.3 40.5 6 -79.0 39.6 6 -79.0 39.6 6 -79.0 39.6 6 -79.0 39.6 1 -84.7 41.5 7 -82.5 40.5 1 -84.7 41.5 7 -86.9 43.3 3 -86.9 43.3 3 -86.8 44.3 3 -86.8 44.3	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A**  8/A AZPHAZ INCD PHAZ EMIS ALPHA 4.70540 0.899 -93.5 67.6 43.2 26.4 24.0 0. 0. 1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 13.71367 2-3 4.52775 0.937 -85.0 67.3 47.9 21.2 19.1 9.24568 3-4 4.67260 0.905 -84.6 67.6 42.5 26.2 24.9 9.86228 4-5 4.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6 4.80491 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6 4.80491 0.879 -95.1 67.5 47.9 28.9 17.4 10.56024 7-8 4.60492 0.910 -94.7 67.1 53.3 25.6 11.8 9.85580 8-9 4.51651 0.939 -90.1 67.1 53.2 12.6 11.3 9.85580 8-9 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 9.25858 10-11 4.08743 0.980 -82.1 66.7 58.9 9.2 7.7 11.46923 11-12 4.29018 0.991 -81.5 67.0 53.7 13.8 13.2 8.50016 12-13 4.41735 0.960 -80.7 67.3 48.4 19.0 18.8 9.02079 13-14 4.55323 0.929 -79.9 67.6 43.2 24.5 24.4 9.00666 14-15 4.69915 0.986 -78.9 67.9 38.0 29.9 29.9 10.27094 15-16 4.82858 0.872 -84.0 68.0 37.2 31.5 30.6 8.46053 16-17 4.98687 0.844 -90.1 68.1 36.9 34.0 30.2 9.02079 13-14 5.34076 0.783 -102.0 68.3 38.2 40.9 25.6 11.82903 19-20 5.34076 0.783 -102.0 68.3 38.2 40.9 25.6 11.82903 19-20 5.34078 0.884 -90.1 68.2 37.2 37.2 28.6 11.01640 18-19 5.34078 0.889 -0.89.9 -0.92 67.5 48.6 33.5 15.2 10.98292 17-22 4.78896 0.880 0.894 -100.0 67.5 48.6 33.5 15.2 10.98292 17-22 4.78896 0.880 0.894 -100.0 67.5 48.6 33.5 15.2 10.98292 17-22 4.78896 0.880 0.890 -89.2 67.2 53.8 30.7 9.8 10.102222 21-22
PHOTO DATA  PT LAT LON RANGE AZS/C A	38.338  N AZSUN AZA 7 -82.9 42.3 0 -81.2 42.2 0 -81.0 41.3 8 -80.7 40.4 6 -94.8 43.3 4 -84.9 44.2 2 -83.0 43.2 4 -79.9 42.3 2 -79.3 40.5 6 -79.0 39.6 9 -78.6 38.6 6 -79.0 39.6 7 -86.7 41.5 7 -86.7 41.5 7 -86.9 42.5 0 -86.7 45.2 7 -86.7 45.2	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A.
PHOTO UATA  PT LAT LON RANGE AZS/C AZ  1 -10.637 -20.572 99.44372 -38.3 6.  2 -10.851 -20.828 98.09504 -47.7 6.  3 -10.554 -21.175 93.26664 -49.1 5.  5 -10.519 -20.835 99.30198 -64.8 7.  6 -10.843 -20.485 101.85925 -55.0 8.  7 -11.188 -20.431 105.60867 -47.0 8.  8 -11.184 -20.787 101.59458 -39.6 7.  9 -11.181 -21.119 98.78452 -30.1 5.  10 -10.858 -21.148 95.48294 -37.7 5.  11 -10.554 -21.175 93.26664 -49.1 5.  12 -10.325 -21.482 90.70834 -49.3 3.  13 -10.302 -21.198 92.13839 -63.6 6.  14 -10.279 -20.896 94.51598 -70.8 6.  15 -10.253 -20.575 97.94971 -75.0 7.  16 -10.266 -20.231 102.54504 -77.7 8.  18 -10.835 -20.118 104.08426 -69.1 9.  18 -10.835 -20.118 104.08426 -69.1 9.  19 -11.193 -20.049 110.96289 -52.8 10.  20 -11.576 -19.74 116.41115 -46.6 10.  21 -11.557 -20.373 110.67250 -40.7 9.  -22 -11.540 -20.743 103.27190 -25.0 5.  24 -11.512 -21.402 97.04399 -15.0 4. 5.	38.338  N AZSUN AZA 2 -84.3 43.3 0 -81.2 42.2 0 -81.2 42.2 0 -81.2 42.2 1 -82.7 41.4 6 -84.8 42.4 0 -84.8 42.4 0 -84.8 42.4 0 -84.8 43.3 2 -83.0 43.2 4 -79.9 42.3 2 -79.3 40.5 6 -79.0 39.6 6 -79.0 39.6 6 -79.0 39.6 6 -79.0 39.6 1 -88.7 45.2 0 -86.7 45.2 0 -86.7 45.2 0 -86.8 43.3 3 -86.8 43.3 3 -86.8 45.2 0 -86.7 45.2 0 -86.7 45.2	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A.
PHOTO DATA  PT LAT LON RANGE AZS/C A	38.338  N AZSUN AZA 2 -84.3 43.3 0 -81.2 42.2 0 -81.2 42.2 2 -82.7 41.4 6 -84.8 42.4 0 -84.8 42.4 0 -84.8 43.3 2 -83.0 43.2 2 -83.0 43.2 2 -93.0 61.3 2 -79.3 40.5 6 -79.0 39.6 9 -78.6 38.6 9 -78.6 38.6 9 -78.6 38.6 1 -84.7 41.5 0 -86.7 40.5 1 -86.7 45.2 0 -86.7 45.2 0 -86.7 45.2 0 -86.7 45.2 0 -86.7 45.2 0 -86.7 45.2 0 -86.7 45.2 0 -86.7 45.2 0 -86.7 45.2 0 -86.7 45.1 0 -86.7 45.1 0 -86.7 45.2	89.60120 -10.053 -21.853 1825.056 2.561 -64.979 114.981  A* 8/A AZPHAZ INCD PHAZ EMIS ALPHA C. 7.0540 0.899 -93.5 67.6 43.2 26.4 26.0 0. 0 -1 4.66190 0.909 -90.1 67.4 47.6 24.7 18.7 9.98495 1-2 4.39252 0.967 -85.6 67.0 53.2 16.5 13.4 13.71367 2-3 4.52775 0.937 -85.0 67.3 47.9 21.2 19.1 9.24566 3-4 4.67260 0.905 -84.6 67.6 42.5 26.2 24.9 9.86228 4-5 4.81810 0.877 -90.1 67.7 42.2 29.2 24.5 9.91622 5-6 4.97378 0.848 -95.5 67.8 42.5 32.9 23.1 10.56024 7-8 4.64826 0.910 -94.7 67.1 53.3 25.6 11.8 9.85580 8-9 4.51651 0.939 -90.1 67.1 53.2 25.6 11.8 9.85580 8-9 4.39252 0.967 -85.4 67.0 53.2 16.5 13.0 9.82324 9-10 4.39252 0.967 -85.4 67.0 53.2 16.5 13.0 9.82324 9-10 4.39252 0.967 -85.4 67.0 53.2 16.5 13.4 9.25885 10-11 4.08743 0.980 -82.1 66.7 58.9 9.2 7.7 11.46923 11-12 4.2918 0.991 -81.5 67.0 53.2 16.5 13.8 9.02079 13-14 4.1735 0.960 -80.7 67.3 48.4 19.0 18.8 9.02079 13-14 4.55323 0.929 -79.9 67.6 43.2 24.5 24.4 9.00666 14-15 4.98588 0.887 0.844 -90.1 68.1 30.9 34.0 30.2 10.3082 17-18 5.15692 0.814 -90.1 68.1 30.9 34.0 30.2 10.3082 17-18 5.15692 0.814 -90.1 68.1 30.9 34.0 30.2 10.3082 17-18 5.15692 0.814 -90.1 68.1 30.9 34.0 30.2 10.3082 17-18 5.15692 0.814 -90.1 68.3 38.2 40.9 25.6 11.82930 12-12 4.78896 0.880 -99.2 67.5 53.3 37.0 20.5 11.86144 20-21 4.78896 0.880 -99.2 67.5 53.3 37.0 20.5 11.86144 20-21 4.78896 0.880 -99.2 67.5 53.0 7.9 8.6 33.5 15.2 10.98292 17-24 4.50160 0.783 -100.0 67.5 88.6 33.5 15.2 10.98292 17-24 4.50160 0.849 -100.0 67.5 88.6 33.0 7.9 8.0 10.22082 22-23 4.50160 0.990 -98.5 66.9 59.0 28.6 4.5 9.55762 23-24 4.50160 0.990 -98.5 66.9 59.0 28.6 4.5 9.55762 23-24 4.50160 0.990 -98.5 66.9 59.0 28.6 4.5 9.55762 23-24 4.50160 0.990 -98.5 66.9 59.0 28.6 4.5 9.55762 23-24 10.10056 24-25 10.100

RA-VII CAMERA FA

JULY 31,1964 13 HR 25 MI	N 15 SEC 582 MS		AB NO 193	ATLAS PHOTO NO	193	POD SEQUENCE NO 392
TRAJECTORY DATA		SEC TO 1	MPACT ALT	LAT LON	R	V PTH AZ
						2.568 -64.874 114.951
PHOTO DATA			AZA A+	B/A AZPHAZ INCI	PHAT FMIS	ALPHA SCALE PT-PT
		.2 -84.3	43.2 4.08358	0.899 -93.5 67.6	43.2 26.3	23.9 0. 0-1
		.7 -82.9			47.6 24.7	18.8 8.61810 1-2
3 -10.565 -21.096 80.9 4 -10.551 -20.827 83.0		.0 -81.2 ·	42.1 3.81188 41.3 3.92965	0.967 -85.4 67.1 0.937 -85.0 67.4		13.5 11.90491 2- 3 19.2 8.02628 3- 4
5 -10.535 -20.540 86.1	8751 -64.8 7	8 -80.7	40.5 4.05550	0.905 -84.6 67.6	42.5 26.2	24.9 8.56067 4- 5
6 -10.816 -20.497 88.4	0713 -55.0 8	.2 -82.7	41.4 4.18180	0.905 -84.6 67.6 0.877 -90.1 67.7	42.2 29.2	24.5 8.60655 5- 6
7 -11.115 -20.450 91.6 8 -11.112 -20.759 88.1	5298 -47.1 8 6822 -39.7 7	.5 -84.8 .0 -84.8	42.3 4.31651 43.1 4.16001	0.848 -95.5 67.6 0.880 -95.1 67.9	3 42.5 32.8 5 47 0 28 0	23-1 9-16882 6- 7 17-5 9-16511 7- 8
	2118 -30.4 5	4 -84.9	44.0 4.03357	0.910 -94.7 67.2	53.2 25.6	11.9 8.55530 8- 9
10 -10 829 -21 072 82.8	6202 -37.9 5	283.0_	43.0 3.91952	0.939 -90.0 67.1	_53.0 20.8_	13.1 8.52251 9-10
11 -10.565 -21.096 80.9 12 -10.366 -21.362 78.7		0 -81.2 4 -79.9		0.967 -85.4 67.1 0.980 -82.1 66.6		
		8 -79.6				
14 -10.326 -20.853 82.0	2553 -70.7 6	.2 -79.3	40.5 3.83358	0.960 -80.7 67.3	48.4 19.1	18.8 7.83047 13-14
		.6 -78.9		0.929 -79.9 67.6		
16 -10.280 -20.276 88.9 17 -10.519 -20.232 90.3		3 -80.4		0.896 <u>-</u> -78.8 67.9 0.873 -84.0 67.9		
	7508 -60.3 9	.7 -82.5	40.5 4.32798	0.844 -90.1 68.0		30.2 8.94648 17-18
		.1 -84.7		0.815 -96.1 68.1		
		.6 -86.9 .9 -86.9	42.4 4.63344	0.785 -102.0 68.7 0.818 -100.9 67.9	2 38.2 40.8	25.6 10.25279 19-20 20.5 10.28497 20-21
		2 -86.8		0.850 -100.0 67.		
23 -11.408 -21.019 89.6	0027 -25.2 5	.6 -86.8	44.9 4.15470	3.880 -99.2 67.2	2 53.8 30.6	9.9 8.87175 22-23
		.0 -86.8			59.0 28.5	4.7 9.20457 23-24
		.8 -85.0 .7 -83.2			9 58.5 23.2	
27 -10.579 -21.349 79.6		5 -81.4			8 58.5 12.9	
_2810_366 -21_362 78.7	0022 -49.5 3	.4 -79.9	42.3 3.54760	0.980 -82.1 66.0	8 58.9 9.3	7.8 6.44376 27-28
		TA	AR NO. 194	ATLAS PHOTO NO	104	POD SECUENCE NO 304
JULY 31,1964 13 HR 25 MI	N 20 SEC 702 MS		AB NO 194	ATLAS PHOTO NO	194	POD SEQUENCE NO 394
	N 20 SEC 702 MS					•
TRAJECTORY DATA			MPACT ALT	ATLAS PHOTO NO  LAT LON -10.202 -21.528	R	POD SEQUENCE NO 394  V PTH AZ 2.575 -64.768 114.921
TRAJECTORY DATA		SEC 10 1 28.0	MPACT ALT 198 65.79063	LAT LON -10.202 -21.528	R 1801.246	V PTH AZ 2.575 -64.768 114.921
TRAJECTORY DATA PHOTO DATA PT LAT LON RAN	GE AZS/C A	SEC TO II 28.0 Zn Azsun	MPACT ALT 98 65.79063 AZA A=	LAT LON -10.202 -21.528	1801.246 D PHAZ EMIS	V PTH AZ 2.575 -64.768 114.921
TRAJECTORY DATA  PHOTO DATA PT LAY LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 73.0	GE AZS/C A 3886 -38.6 6 3672 -47.9 6	SEC TO II 28.0 ZN AZSUN -2 -84.4	MPACT ALT 98 65.79063 AZA A=	LAT LON -10.202 -21.528	1801.246 D PHAZ EMIS	V PTH AZ 2.575 -64.768 114.921
TRAJECTORY DATA  PHOTO DATA PT LAT LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.1	GE AZS/C A 3886 -38.6 6 3672 -47.9 6 7069 -49.3 5	SEC TO I. 28.0 ZN AZSUN -2 -84.4 -7 -82.9 -0 -81.2	MPACT ALT 98 65.79063 AZA A=	LAT LON -10.202 -21.528	1801.246 D PHAZ EMIS	V PTH AZ 2.575 -64.768 114.921
TRAJECTORY DATA  PHOTO DATA PT LAT LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 -4 -10.564 -20.789 70.3	GE AZS/C A 3886 -38.6 6 3672 -47.9 6 7069 -49.3 9936 -58.6 6	SEC TO II 28.0 ZN AZSUN -2 -84.4 -7 -82.9 -0 -81.2 -4 -80.9	MPACT ALT 98 65.79063 AZA A=	LAT LON -10.202 -21.528	1801.246 D PHAZ EMIS	V PTH AZ 2.575 -64.768 114.921
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0	GE AZS/C A 3886 -38.6 6 3672 -47.9 6 7069 -49.3 5 9936 -58.6 6 2775 -64.7 7	SEC TO I. 28.0 ZN AZSUN -2 -84.4 -7 -82.9 -0 -81.2	MPACT ALT 98 65.79063 AZA A=	LAT LON -10.202 -21.528	1801.246 D PHAZ EMIS	V PTH AZ 2.575 -64.768 114.921
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0 6 -10.789 -20.509 74.9 7 -11.042 -20.470 77.6	GE AZS/C A 3886 -38.6 6 3672 -47.9 6 7069 -49.3 5 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 5149 -47.1 8	SEC TO I. 28.0  ZN AZSUN 2 -84.4 -7 -82.9 -0 -81.2 -4 -80.9 -9 -80.7 -2 -82.7 -5 -84.8	MPACT ALT 98 65.79063  AZA A= 43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.32954  40.5 3.43628  41.4 3.54329  42.2 3.65710	LAT LON -10.202 -21.528  B/A AZPHAZ INCL 0.899 -93.5 67.0.909 -90.0 67.0.967 65.4 67.0.996 -85.4 67.0.905 -84.6 67.0.877 -90.1 67.0.877 -90.1 67.0.899 -95.5 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 4 47.9 21.3 6 42.5 26.2 7 42.5 32.8	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.08911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN  1 -10.634 -20.579 73.0  2 -10.794 -20.761 72.1  3 -10.556 -21.017 68.5  4 -10.554 -20.789 70.3  5 -10.551 -20.545 73.0  6 -10.789 -20.509 74.9  7 -11.042 -20.470 77.6  8 -11.039 -20.731 74.6	GE AZS/C A 3886 -38.6 6 3672 -47.9 6 7069 -49.3 5 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 5149 -47.1 8 9853 -39.8 7	SEC TO II. 28.0  ZN AZSUN. 2 -84.4 -7 -82.9 -0 -81.2 -4 -80.9 -9 -80.7 -2 -82.7 -3 -84.8 -0 -84.9	MPACT ALT 98 65.79063  AZA A= 43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.32954  40.5 3.43628  41.4 3.54329  42.2 3.65710	LAT LON -10.202 -21.528  B/A AZPHAZ INCL 0.899 -93.5 67.0.909 -90.0 67.0.967 65.4 67.0.996 -85.4 67.0.905 -84.6 67.0.877 -90.1 67.0.877 -90.1 67.0.899 -95.5 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 4 47.9 21.3 6 42.5 26.2 7 42.5 32.8	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.08911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0 6 -10.789 -20.509 74.9 7 -11.042 -20.470 77.6 8 -11.037 -20.975 72.6	GE AZS/C A 3886 -38.6 6 3072 -47.9 6 7069 -49.3 9 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 149 -47.1 8 9853 -39.8 7	SEC TO II 28.0 2N AZSUN 2 -84.4 -7 -82.9 -0 -81.2 4 -80.9 -9 -80.7 -9 -80.7 -9 -80.7 -9 -80.7 -9 -80.9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -	MPACT ALT 98 65.79063  AZA A. 43.0 3.45976 42.1 3.42825 42.0 3.22943 41.3 3.32954 40.5 3.43628 41.4 3.54329 42.2 3.65710 43.0 3.53286 43.7 3.41702	LAT LON -10.202 -21.528 B/A AZPHAZ INC. 0.899 -93.5 67. 0.909 -90.0 67. 0.906 -85.0 67. 0.905 -84.6 67. 0.807 -90.1 67. 0.808 -95.5 67. 0.808 -95.1 67. 0.808 -95.1 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 6 42.5 26.2 7 42.5 32.8 5 47.9 28.8 3 53.2 25.5	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0-1 18.8 7.26443 1-2 13.6 10.08911 2-3 19.2 6.80213 3-4 24.9 7.25422 4-5 24.5 7.29242 5-6 23.0 7.76610 6-7 17.5 7.76518 7-8 12.0 7.24993 8-9
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RAN  1 -10.634 -20.579 73.0  2 -10.794 -20.761 72.1  3 -10.576 -21.017 68.5  5 -10.551 -20.545 70.3  6 -10.789 -20.545 70.6  8 -11.039 -20.731 74.6  8 -11.037 -20.975 72.6  10 -10.800 -20.996 70.6	GE AZS/C A 3886 -38.6 6 7069 -49.3 5 9936 -58.6 6 7069 -64.7 7 0846 -55.0 8 9853 -39.8 7 1852 -30.6 1	SEC TO II. 28.0  ZN AZSUN. 2 -84.4 -7 -82.9 -0 -81.2 -4 -80.9 -9 -80.7 -2 -82.7 -3 -84.8 -0 -84.9	MPACT ALT 98 65.79063 43.0 3.45976 42.1 3.42825 42.0 3.22943 41.3 3.22954 40.5 3.43628 41.4 3.54329 42.2 3.65710 43.0 3.53286 43.1 3.53286 43.7 3.41702 42.9 3.32065	LAT LON -10.202 -21.528  B/A AZPHAZ INCL 0.899 -93.5 67.0.909 -90.0 67.0.967 65.4 67.0.996 -85.4 67.0.905 -84.6 67.0.877 -90.1 67.0.877 -90.1 67.0.899 -95.5 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 6 42.5 26.2 7 42.2 29.2 7 42.5 32.3 53.2 25.5 3 53.2 25.5	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.08911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7 17.5 7.76518 7- 8 12.0 7.24993 8- 9 13.2 7.21830 9-10
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN  1 -10.634 -20.579 73.0 2 -10.794 -20.761 73.0 3 -10.576 -21.017 68.5 5 -10.551 -20.545 73.0 6 -10.799 -20.509 74.9 7 -11.042 -20.470 77.6 8 -11.037 -20.975 72.6 10 -10.880 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6	GE AZS/C A 3886 -38.6 6 3672 -47.9 6 7069 -49.3 5 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 9853 -39.8 7 1852 -30.6 5 0139 -38.1 5 7069 -49.3 3	SEC TO I. 28.0  ZN AZSUN -7 -82.9 -0 -81.2 -4 -80.9 -9 -80.7 -5 -84.8 -0 -84.9 -4 -85.0 -2 -83.1 -5 -79.9	MPACT ALT 98 65.79063  AZA A= 43.0 3.45976 42.1 3.42825 42.0 3.22943 41.3 3.22943 41.4 3.54329 42.2 3.65710 43.0 3.53286 43.7 3.41702 42.9 3.2065 42.0 3.22943 42.2 3.00594	LAT LON -10.202 -21.528 B/A AZPHAZ INCI 0.899 -93.5 67. 0.909 -90.0 67. 0.936 -85.4 67. 0.936 -85.4 67. 0.847 -90.1 67. 0.847 -90.1 67. 0.849 -95.5 67. 0.890 -95.1 67. 0.910 -94.7 67. 0.997 -85.4 67. 0.998 -85.4 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 6 42.5 26.2 7 42.2 29.2 7 42.5 32.8 3 53.2 25.5 25.3 2 25.3 2 25.3 2 25.9 2 53.0 20.8 2 53.2 16.7 9.4 9.5 8.9 9.4	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.88911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76518 7- 8 12.0 7.24993 8- 9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12
TRAJECTORY DATA  PHOTO DATA PT LAT LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.595 73.0 6 -10.789 -20.509 74.6 6 -10.789 -20.509 74.6 8 -11.039 -20.731 74.6 9 -11.037 -20.975 72.6 10 -10.800 -20.995 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.391 -21.203 67.7	GE AZS/C A 3886 -38.6 6 3886 -38.6 6 70.69 -49.3 5 9936 -58.6 6 2775 -64.7 7 68646 -55.0 8 5149 -47.1 8 8853 -39.8 7 1852 -30.6 5 0139 -38.1 6 024 -49.7 3 3277 -63.5 4	SEC TO I. 28.0  ZN AZSUM. 2 -84.4 -7 -82.9 -0 -81.2 -4 -80.9 -9 -80.7 -5 -84.8 0 -84.9 -4 -85.0 -2 -82.7 -5 -79.9	MPACT 65.79063  AZA 43.0 3.45976 42.1 3.42825 42.0 3.22943 41.3 3.522954 40.5 3.43628 41.4 3.54329 42.2 3.65710 43.0 3.53286 43.7 3.61702 42.9 3.32065 43.1 32065 43.2 3.2065 43.1 3.15378	LAT LON -10.202 -21.528  B/A AZPHAZ INC. 0.899 -93.5 67. 0.909 -90.0 67. 0.907 -85.4 67. 0.995 -84.6 67. 0.877 -90.1 67. 0.894 -95.5 67. 0.894 -95.1 67. 0.890 -90.1 67. 0.910 -94.7 67. 0.991 -85.4 67. 0.991 -85.4 67.	R 1801.246 0 PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 7 42.2 29.2 7 42.5 32.8 3 53.2 25.5 2 53.0 20.8 2 53.0 20.8 2 53.9 9.4	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.08911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.25422 4- 5 23.0 7.76610 6- 7 17.5 7.76518 7- 8 12.0 7.24993 8- 9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 73.0 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.595 73.0 6 -10.799 -20.509 74.9 7 -11.042 -20.470 77.6 8 -11.037 -20.975 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4	GE AZS/C A 3886 -38.6 6 3072 -47.9 6 7069 -49.3 9 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 149 -47.1 8 9853 -39.8 7 16152 -30.6 7 10139 -38.1 5 1029 -49.3 5 6024 -49.7 3 3277 -63.5 6	SEC TO I. 28.0  ZN AZSUN -7 -82.9 -0 -81.2 -4 -80.9 -9 -80.7 -5 -84.8 -0 -84.9 -4 -85.0 -2 -83.1 -5 -79.9	MPACT 65.79063  AZA 4  43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.22954  40.5 3.43628  41.4 3.54329  42.2 3.65710  43.0 3.53286  43.7 3.41702  42.9 3.22943  42.0 3.22943  42.1 3.15378  40.5 3.24792	LAT LON -10.202 -21.528 B/A AZPHAZ INCL 0.899 -93.5 67.0.909 -90.0 67. 0.9967 -85.4 67. 0.996 -85.4 67. 0.995 -84.6 67. 0.897 -90.1 67. 0.898 -95.5 67. 0.898 -95.5 67. 0.910 -94.7 67. 0.907 -85.4 67. 0.907 -85.4 67. 0.909 -81.5 67. 0.990 -81.5 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 6 42.5 26.2 7 42.2 29.2 7 42.5 32.8 3 53.2 25.5 25.3 2 25.3 2 25.3 2 25.9 2 53.0 20.8 2 53.2 16.7 9.4 9.5 8.9 9.4	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.88911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7 17.5 7.76518 7- 8 12.0 7.24993 8- 9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN  1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0 6 -10.789 -20.597 74.6 8 -11.042 -20.470 77.6 8 -11.037 -20.975 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.373 -20.811 69.4 14 -10.373 -20.811 69.4 15 -10.335 -20.515 72.0	GE AZS/C A 3886 -38.6 6 -38.6 6 -38.6 7 -47.9 6 7069 -49.3 9 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 149 -47.1 8 9853 -39.8 7 1852 -30.6 5 0139 -38.1 5 7069 -49.3 5 6024 -49.7 3 3277 -63.5 6 2415 -74.7 9	SEC TO I. 28.00 ZN AZSUN -2 -84.4 -7 -82.9 -6 -81.2 -4 -80.9 -2 -82.7 -2 -82.7 -2 -82.7 -2 -83.1 -3 -79.6 -79.6 -79.6 -79.6 -78.9 -78.5	MPACT 65.79063  AZA 4.6  43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.22954  40.5 3.43628  41.4 3.54329  42.2 3.65710  43.0 3.53286  43.7 3.41702  42.9 3.32065  42.0 3.22943  42.1 3.15378  40.5 3.24792  40.3 3.34805  39.0 3.454805	LAT LON - 10,202 -21,528  B/A AZPHAZ INCL (0.899 -93.5 67.0.909 -90.0 67.0.956 67.0.956 67.0.956 67.0.956 67.0.956 67.0.956 67.0.956 67.0.956 67.0.957 67.0.956 67.0.957 67.0.956 67.0.957 67.0.956 67.0.957 67.0.956 67.0.956 67.0.958 67.0.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 253.2 16.7 4 47.9 21.3 7 42.5 32.8 5 47.9 28.8 3 53.2 16.7 7 42.5 32.8 5 47.9 28.8 3 53.2 16.7 7 42.5 32.8 6 43.2 16.7 7 42.6 43.2 16.7 16.6 43.2 24.5 6 43.2 24.5 6 43.2 24.5	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.08911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7 17.5 7.76518 7- 8 12.0 7.24993 8- 9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 24.4 7.06536 14-15 29.8 7.54855 15-16
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.595 73.0 6 -10.789 -20.595 74.0 6 -10.789 -20.597 74.6 8 -11.039 -20.731 74.6 9 -11.037 -20.975 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4 15 -10.355 -20.5575 72.0 16 -10.334 -20.322 75.3 17 -10.536 -20.285 76.5	GE AZS/C A 3886 -38.6 6 3886 -38.6 6 70.69 -49.3 6 2775 -64.7 7 865 -55.0 8 5149 -47.1 8 9853 -39.8 7 1852 -30.6 5 1039 -38.1 5 70.9 -49.3 5 6024 -49.7 3 277 -63.5 4 9475 -70.5 6 2415 -74.7 7 9524 -77.4 9	SEC IO I. 28.0  ZN AZSUM2 -84.4 -7 -82.9 -81.2 -4 -80.9 -9 -80.7 -5 -84.9 -4 -85.0 -84.9 -5 -79.9 -79.6 -78.5 -78.9	MPACT 65.79063  AZA 43.0 3.45976 42.1 3.42825 42.0 3.22943 41.3 3.53286 43.7 3.41702 42.9 3.55110 42.9 3.22943 42.9 3.22943 42.2 3.65710 43.0 3.52294 41.3 3.15378 40.5 3.24792 39.8 3.34805 39.0 3.45599	LAT LON -10.202 -21.528 B/A AZPHAZ INC. 0.899 -93.5 67. 0.909 -90.0 67. 0.907 -85.4 67. 0.905 -84.6 67. 0.807 -90.1 67. 0.809 -95.1 67. 0.809 -95.1 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.907 -85.4 67. 0.909 -81.5 67. 0.909 -81.5 67. 0.909 -81.5 67. 0.908 -81.5 67. 0.908 -81.5 67. 0.908 -81.5 67. 0.908 -81.5 67. 0.908 -81.5 67. 0.898 -78.8 67. 0.898 -78.8 67. 0.898 -78.8 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 6 42.2 29.2 7 42.2 29.2 7 42.2 29.2 7 5.3 2 16.7 2 1.3	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.08911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7 7.75 7.76518 7- 8 12.0 7.24993 8- 9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 24.4 7.06536 14-15 29.8 7.54855 15-16 30.5 6.22240 16-17
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RAN  1 -10.634 -20.757 73.0 2 -10.794 -20.761 76.3 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0 6 -10.789 -20.509 74.9 7 -11.042 -20.470 77.6 8 -11.037 -20.975 72.6 9 -11.037 -20.976 76.2 11 -10.576 -21.017 68.2 11 -10.576 -21.017 68.2 11 -10.373 -20.811 69.4 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4 15 -10.335 -20.575 72.0 16 -10.334 -20.322 75.3 17 -10.536 -20.239 76.5	GE AZS/C A 3886 -38.6 6 738.6 -38.6 6 7069 -49.3 5 9936 -58.6 6 2775 -64.7 0 9853 -39.8 7 8149 -47.1 8 9853 -39.8 7 81852 -30.6 5 0139 -38.1 5 6024 -49.7 3 3277 -63.5 4 9475 -70.5 6 2415 -74.7 9 3368 -68.9 9	SEC TO I. 28.00 ZN AZSUN2 -84.4 -7 -82.9 -6 -81.2 -4 -80.9 -8 -80.7 -2 -82.7 -8 -84.8 -0 -84.9 -2 -83.1 0 -81.2 -5 -79.9 -79.6 -79.9 -79.6 -79.9 -79.6 -78.9 -80.3 -80.3 -80.3	ALT  65.79063  AZA  A=  43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.22954  40.5 3.43628  41.4 3.54329  42.2 3.65710  43.0 3.53286  43.7 3.41702  42.9 3.22965  42.0 3.22943  42.0 3.22943  42.0 3.22943  42.0 3.25388  43.3 3.35388  43.3 3.35388  43.3 3.3 3.47702  42.9 3.3 3.55688  40.5 3.24792  39.8 3.34805  39.0 3.55058  40.6 3.66688	LAT LON 10.202 -21.528  B/A AZPHAZ INC. 0.899 -93.5 67.0.909 -90.0 67.0.936 -85.4 67.0.936 -84.6 67.0.877 -90.1 67.0.898 -95.5 67.0.898 -95.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.909 -81.5 67.0.873 -84.0 67.0.873 -84.0 67.0.874 -88.6 67.0.873 -84.0 67.0.845 -90.1 67.0.845 -90.1 67.0.845 -90.1 67.0.896 -90.1 67.0.845 -90.1 67.0.896 -90.0	R R 1801.246  D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 253.2 16.7 4 47.9 21.3 3 53.2 25.5 547.9 28.8 253.2 16.7 7 42.5 32.8 5 47.9 28.8 153.7 14.0 26.8 25.5 253.2 16.7 9 58.9 9.4 153.7 14.0 9.8 8.8 19.2 24.5 8 38.0 29.8 9 37.2 31.4 9 37.2	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0-1 18.8 7.26443 1-2 13.6 10.8911 2-3 19.2 6.80213 3-4 24.9 7.25422 4-5 24.5 7.29242 5-6 23.0 7.76610 6-7 17.5 7.76518 7-8 12.0 7.24993 8-9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 24.4 7.06536 14-15 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN  1 -10.634 -20.761 73.0 2 -10.794 -20.761 73.0 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.595 74.9 6 -10.789 -20.590 74.9 7 -11.042 -20.470 77.6 8 -11.037 -20.731 74.6 9 -11.037 -20.975 72.0 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4 15 -10.373 -20.811 69.4 15 -10.375 -20.575 72.0 16 -10.334 -20.322 75.3 17 -10.536 -20.239 76.6 18 -10.783 -20.239 78.6 19 -11.078 -20.129 81.5	GE AZS/C A 3886 -38.6 6 738.6 -38.6 7069 -49.3 5 9936 -58.6 6 2775 -64.7 7 9853 -39.8 7 1852 -30.6 5 1139 -47.1 8 9853 -39.8 7 1852 -30.6 5 139 -38.1 7 1852 -30.6 5 139 -38.1 7 1852 -70.5 6 1852 -30.6 7 1852 -70.5 6 1852 -70.5 6 1852 -70.5 7 18524 -77.4 9	SEC TO I. 28.0  ZN AZSUM. 2 -84.4 -7 -82.9 -0 -81.2 -4 -80.9 -9 -80.7 -5 -84.8 -84.9 -4 -85.0 -2 -82.7 -79.9 -2 -79.3 -79.9 -2 -79.3 -79.9 -2 -80.7 -2 -80.8	MPACT 65.79063  AZA 43.0 3.45976 42.1 3.42825 42.0 3.22943 41.3 3.522954 40.5 3.43628 41.4 3.54329 42.2 3.65710 43.0 3.53286 43.7 3.61702 42.9 3.32065 43.0 3.2243 42.2 3.00594 41.3 3.15378 40.5 3.24792 39.8 3.34805 39.0 3.65499 39.0 3.65499 39.0 3.65698 41.4 3.79103 42.3 3.92426	LAT LON -10.202 -21.528  B/A AZPHAZ INC. 0.899 -93.5 67. 0.909 -90.0 67. 0.907 -85.4 67. 0.905 -84.6 67. 0.879 -90.1 67. 0.899 -90.1 67. 0.890 -95.1 67. 0.890 -95.1 67. 0.910 -94.7 67. 0.991 -95.1 66. 0.992 -90.0 67. 0.990 -81.5 67. 0.990 -81.5 67. 0.990 -81.5 67. 0.990 -80.7 67. 0.990 -80.7 67. 0.990 -80.7 67. 0.990 -80.7 67. 0.990 -80.7 67. 0.990 -80.7 67. 0.986 -78.8 67. 0.816 -96.1 68. 0.786 -102.0 68.	R 1801-246 0 PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 6 42.5 26.2 7 42.2 29.2 7 42.5 32.8 3 53.2 25.5 2 53.0 20.8 2 53.0 20.8 2 53.0 20.8 2 53.0 20.8 3 53.2 25.5 8 2 53.2 16.7 9 58.9 9.4 4 48.4 19.2 6 43.2 24.5 8 38.0 29.8 9 37.2 31.4 9 37.2 37.0 0 37.2 37.0 0 37.2 37.0	V PTH AZ  2.575 -64.768 114.921  ALPHA SCALE PT-PT  23.8 0. 0-1  18.8 7.26443 1-2  13.6 10.8911 2-3  19.2 6.80213 3-4  24.9 7.25422 4-5  24.5 7.29242 5-6  23.0 7.76610 6-7  17.5 7.76518 7-8  12.0 7.24993 8-9  13.2 7.21830 9-10  13.6 6.80767 10-11  7.9 8.3711 11-12  13.4 6.25129 12-13  18.9 6.3573 13-14  24.4 7.06536 14-15  29.8 7.54855 15-16  30.5 6.22240 16-17  30.1 7.57973 17-18  28.5 8.09260 18-19  25.5 8.07220 19-20
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN  1 -10.634 -20.579 73.0 2 -10.794 -20.761 73.0 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0 6 -10.799 -20.509 74.9 7 -11.042 -20.470 77.6 8 -11.039 -20.470 77.6 8 -11.039 -20.975 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4 15 -10.355 -20.575 72.0 16 -10.334 -20.322 73.3 17 -10.536 -20.285 76.5 18 -10.783 -20.239 78.6 19 -11.045 -20.189 81.5 20 -11.327 -20.134 85.5 20 -11.327 -20.124 85.5 20 -11.327 -20.427 81.3	GE AZS/C A 3886 -38.6 6 73672 -47.9 6 7069 -49.3 9 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 9853 -39.8 7 1852 -39.8 7 1852 -39.8 7 1852 -39.6 7 1039 -38.1 7 105. 6024 -49.7 3 3277 -63.5 6 2415 -74.7 7 9524 -77.4 9 3568 -68.9 9 7547 -52.9 10 3615 -46.7 3 3615 -46.7 3	SEC TO I. 28.0 I. 28.0 II. 28.0 II. 28.0 III.	MPACT 65.79063  AZA 4  43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.53286  41.4 3.54329  42.2 3.65710  43.0 3.53286  43.7 3.41702  42.9 3.22943  42.2 3.05594  41.3 3.15378  40.5 3.24792  39.8 3.24805  39.0 3.45499  39.7 3.55058  40.6 3.66688  41.4 3.79103  42.3 3.92426  43.1 3.77871	LAT LON -10.202 -21.528 B/A AZPHAZ INC. 0.899 -93.5 67. 0.909 -90.0 67. 0.907 -85.4 67. 0.905 -84.6 67. 0.817 -90.1 67. 0.817 -90.1 67. 0.817 -90.1 67. 0.810 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -94.7 67. 0.910 -96.7 68.7 67. 0.816 -96.1 68. 0.786 -102.0 68. 0.786 -102.0 68.	R R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 3 53.2 25.5 47.9 28.8 3 53.2 25.5 27.4 2.2 29.2 7 42.2 29.2 7 42.2 29.2 7 42.2 29.2 7 42.3 20.8 2 53.0 20.8 2 53.0 20.8 2 53.0 20.8 3 53.2 26.5 3 2 26.7 1 23.2 24.5 8 38.0 29.8 9 37.2 31.4 9 36.9 33.9 37.2 31.4 9 36.9 33.9 37.2 31.4 9 36.8 43.3 36.8 43.3 36.8	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.88911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7 17.5 7.76518 7- 8 12.0 7.24893 8- 9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 24.4 7.06536 14-15 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18 28.5 8.09260 18-19 25.5 8.67520 19-20 20.5 8.70588 20-21
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN  1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.595 74.0 6 -10.789 -20.590 74.6 8 -11.039 -20.731 74.6 8 -11.039 -20.731 74.6 9 -11.037 -20.975 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4 15 -10.355 -20.555 76.5 16 -10.334 -20.322 75.3 17 -10.536 -20.228 76.5 18 -10.783 -20.239 78.6 19 -11.045 -20.189 81.5 20 -11.313 -20.427 81.3 21 -11.313 -20.427 81.3	GE AZS/C A 3886 -38.6 6 3886 -38.6 6 70.69 -49.3 5 9936 -58.6 6 2775 -64.7 7 8646 -55.0 8 5149 -47.1 8 9853 -39.8 7 1852 -30.6 5 1139 -38.1 5 10139 -38.1 5 1024 -49.7 3 3277 -63.5 4 9475 -70.5 6 4024 -49.7 3 3277 -63.5 4 9475 -70.5 6 60.3 9 7247 -52.9 10.3 6 3568 -68.9 9 30554 -60.3 9 7247 -52.9 10.3 6 10.4 6	SEC TO I. 28.0  ZN AZSUM. 2 -84.4 -7 -82.9 -8-1.2 -4 -80.9 -9 -80.7 -5 -84.8 -84.9 -4 -85.0 -84.9 -79.9 -79.6 -79.9 -79.3 -6 -78.5 -8 -88.7 -8 -88.7 -8 -88.7 -8 -88.7 -8 -88.7	MPACT 65.79063  AZA A  43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.53286  43.7 3.41702  42.9 3.22065  42.0 3.22943  42.9 3.32065  42.0 3.22943  42.1 3.00594  41.3 3.15378  40.5 3.24792  39.8 3.34805  39.0 3.45499  39.7 3.50588  40.6 3.66688  41.4 3.79103  42.3 3.92426  43.1 3.77871  43.8 3.64422	LAT LON -10.202 -21.528  B/A AZPHAZ INC. 0.899 -93.5 67. 0.909 -90.0 67. 0.907 -85.4 67. 0.936 -85.0 67. 0.936 -95.1 67. 0.849 -95.5 67. 0.849 -95.1 67. 0.910 -94.7 67. 0.991 -90.0 67. 0.991 -85.4 67. 0.998 -85.4 67. 0.998 -85.4 67. 0.998 -85.4 67. 0.998 -85.4 67. 0.998 -85.4 67. 0.998 -85.4 67. 0.998 -85.4 67. 0.998 -85.4 67. 0.998 -85.4 67. 0.896 -78.8 67. 0.896 -78.8 67. 0.896 -78.8 67. 0.896 -78.8 67. 0.896 -78.8 67. 0.897 -90.1 67. 0.898 -90.1 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 6 42.5 26.2 7 42.2 29.2 7 42.2 29.2 7 42.2 29.2 7 42.2 29.2 7 42.2 29.2 6 40.6 48.4 19.2 6 43.2 24.5 8 38.0 29.8 8 36.0 29.8 8 36.0 29.8 9 37.2 31.4 9 36.9 33.9 9 37.2 37.0 37.2 37.0 37.3 33.9 3 37.3 37.	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.08911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7 17.5 7.76518 7- 8 12.0 7.24993 8- 9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 24.4 7.06536 14-15 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18 28.5 8.09260 18-19 25.5 8.09260 18-19
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN  1 -10.634 -20.579 73.0 2 -10.794 -20.761 73.0 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0 6 -10.789 -20.599 74.9 7 -11.042 -20.470 77.6 8 -11.039 -20.731 74.6 8 -11.039 -20.731 74.6 8 -11.039 -20.732 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4 15 -10.355 -20.575 72.0 16 -10.334 -20.232 76.5 16 -10.334 -20.232 76.5 18 -10.783 -20.232 76.6 19 -11.045 -20.189 81.5 20 -11.327 -20.184 85.5 21 -11.311 -20.427 88.3	GE AZS/C A 3886 -38.6 6 3886 -38.6 6 7069 -49.3 9 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 149 -47.1 8 9853 -39.8 7 1652 -30.8 7 1039 -38.1 5 1039 -38.1 5 1039 -38.1 5 1049 -49.7 3 3277 -63.5 6 2415 -74.7 9 3568 -68.9 9 7247 -52.9 10 3615 -66.7 3 7247 -52.9 10 3615 -66.7 3 3612 -46.7 3 3612 -	SEC TO I. 28.00  ZN AZSUN  -2 -84.4  -7 -82.9  -81.2  -4 -80.9  -80.7  -2 -82.7  -5 -84.9  -1 -85.0  -2 -79.3  -6 -78.9  -7 -78.5  -3 -80.3  -6 -84.7  -5 -86.9  -3 -86.9  -86.9  -86.9	MPACT 65.79063  AZA A  43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.53286  43.7 3.41702  42.9 3.22065  42.0 3.22943  42.9 3.32065  42.0 3.22943  42.1 3.00594  41.3 3.15378  40.5 3.24792  39.8 3.34805  39.0 3.45499  39.7 3.50588  40.6 3.66688  41.4 3.79103  42.3 3.92426  43.1 3.77871  43.8 3.64422	LAT LON -10.202 -21.528 B/A AZPHAZ INC. 0.899 -93.5 67. 0.909 -90.0 67. 0.936 -85.4 67. 0.936 -85.4 67. 0.847 -90.1 67. 0.847 -90.1 67. 0.847 -90.1 67. 0.939 -90.0 67. 0.939 -90.0 67. 0.939 -90.0 67. 0.940 -85.4 67. 0.950 -85.4 67. 0.960 -86.7 67. 0.960 -87.8 67. 0.960 -86.7 67. 0.866 -90.7 67. 0.866 -90.7 67. 0.866 -90.8 67. 0.866 -90.8 67. 0.866 -90.8 67. 0.868 -90.1 67. 0.868 -90.1 67. 0.868 -90.1 67. 0.868 -90.1 67. 0.868 -90.1 67. 0.868 -90.1 67. 0.868 -90.1 67. 0.868 -90.1 67. 0.868 -90.1 67. 0.869 -90.1 67. 0.860 -90.0 67. 0.860 -90.0 67.	R R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 3 53.2 25.5 47.9 28.8 3 53.2 25.5 47.9 28.8 3 53.2 25.5 47.9 28.8 3 53.2 25.5 47.9 28.8 3 53.2 25.5 47.9 28.8 3 53.2 25.5 10.7 14.0 4 48.4 19.2 24.5 6 43.2 24.5 6 43.2 24.5 6 43.3 36.8 6 48.6 33.4 53.8 30.5 53.8 30.5	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0-1 18.8 7.26443 1-2 13.6 10.08911 2-3 19.2 6.80213 3-4 24.9 7.25422 4-5 24.5 7.29242 5-6 23.0 7.76610 6-7 17.5 7.76518 7-8 12.0 7.24993 8-9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 24.4 7.0536 14-15 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18 28.5 8.09260 18-19 25.5 8.07520 19-20 20.5 8.70588 20-21 15.3 8.07134 21-22
TRAJECTORY DATA  PHOTO DATA  PT LAY LON RAN  1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0 6 -10.789 -20.509 74.9 7 -11.042 -20.470 77.6 8 -11.039 -20.731 74.6 8 -11.039 -20.731 74.6 8 -11.037 -20.975 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4 15 -10.335 -20.575 72.0 16 -10.334 -20.322 75.3 17 -10.536 -20.285 76.5 18 -10.783 -20.287 76.6 19 -11.045 -20.189 81.5 20 -11.327 -20.134 85.5 21 -11.331 -20.427 81.3 22 -11.301 -20.697 78.1 23 -11.290 -20.991 78.1	GE AZS/C A 3886 -38.6 6 738.6 -38.6 6 7069 -49.3 9 9936 -58.6 6 2775 -64.7 7 0846 -55.0 8 9853 -39.8 7 1852 -30.8 7 1852 -	SEC TO I. 28.00 ZN AZSUN -2 -84.4 -7 -82.9 -81.2 -4 -80.9 -8 -84.8 -0 -84.8 -0 -84.9 -2 -83.1 -0 -81.2 -79.6 -79.6 -79.6 -79.6 -79.6 -79.6 -79.6 -79.6 -80.9 -79.6 -80.9	MPACT ALT 98 65.79063  AZA A= 43.0 3.45976 42.1 3.42825 42.0 3.22943 41.3 3.53286 41.4 3.54329 42.2 3.65710 43.0 3.53286 42.4 3.543628 42.4 3.543629 42.9 3.22943 42.3 3.05598 42.0 3.22943 42.3 3.15378 40.5 3.24792 39.8 3.34805 39.0 3.45499 39.7 3.55058 40.6 3.66688 41.4 3.79103 42.3 3.92426 43.1 3.77871 43.8 3.64622 44.6 3.51927 45.3 3.40260	LAT LON -10.202 -21.528 B/A AZPHAZ INCL 0.899 -93.5 67. 0.909 -90.0 67. 0.936 -85.4 67. 0.936 -85.4 67. 0.936 -85.4 67. 0.847 -90.1 67. 0.849 -95.5 67. 0.849 -95.5 67. 0.807 -85.4 67. 0.910 -94.7 67. 0.939 -90.0 67. 0.910 -94.7 67. 0.939 -90.0 67. 0.931 -82.1 66. 0.990 -81.5 67. 0.991 -82.1 67. 0.991 -81.6 67. 0.991 -82.1 66. 0.990 -81.6 67. 0.991 -80.7 67. 0.928 -79.9 67. 0.896 -78.8 67. 0.896 -79.1 67. 0.896 -79.1 67. 0.896 -102.0 68. 0.896 -102.0 68. 0.896 -102.0 68. 0.819 -100.0 67. 0.850 -100.0 67. 0.851 -99.2 67. 0.891 -99.2 67. 0.891 -99.2 67. 0.891 -99.2 67.	R R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 253.2 16.7 4 47.9 21.3 7 42.5 22.8 5 47.9 28.8 8 37.2 25.5 2 53.0 20.8 2 53.2 16.7 7 42.5 22.8 15.3 7 14.0 20.8 8 38.0 29.8 9 37.2 31.4 9 37.2 31.4 9 37.2 31.4 9 37.2 31.4 3 35.8 36.8 6 48.6 33.4 35.8 35.8 35.8 35.8 35.8 30.5 159.0 28.4	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0- 1 18.8 7.26443 1- 2 13.6 10.88911 2- 3 19.2 6.80213 3- 4 24.9 7.25422 4- 5 24.5 7.29242 5- 6 23.0 7.76610 6- 7 17.5 7.76518 7- 8 12.0 7.24993 8- 9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.43711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 24.4 7.06536 14-15 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18 28.5 8.07520 19-20 20.5 8.07520 19-20 20.5 8.07520 20-21 15.3 8.07134 21-22 4.8 7.02742 23-24 6.5 7.02742 23-24
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RAN 1 -10.634 -20.579 73.0 2 -10.794 -20.761 72.1 3 -10.576 -21.017 68.5 4 -10.564 -20.595 73.0 6 -10.789 -20.595 74.0 6 -10.789 -20.590 74.6 8 -11.039 -20.731 74.6 9 -11.037 -20.975 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.202 66.6 13 -10.391 -21.033 67.7 14 -10.373 -20.811 69.4 15 -10.355 -20.555 72.0 16 -10.334 -20.322 75.3 17 -10.536 -20.285 76.5 18 -10.783 -20.239 78.6 19 -11.045 -20.189 81.5 20 -11.327 -20.134 85.5 21 -11.313 -20.427 81.3 22 -11.301 -20.699 78.1 23 -11.200 -20.957 75.8 24 -11.200 -20.957 75.8 25 -11.200 -20.957 75.8	GE AZS/C A 3886 -38.6 6 738.6 -38.6 6 7069 -49.3 6 7775 -64.7 7 8646 -55.0 8 5149 -47.1 8 8653 -39.8 7 1852 -30.6 5 1139 -38.1 5 6024 -49.7 3 3277 -63.5 4 9475 -70.5 6 6024 -77.4 9 9354 -60.3 7 9524 -77.4 9 3615 -46.7 10 4126 -40.9 8 6142 -33.8 7 9203 -25.9 10 3615 -46.7 10 4126 -40.9 8	SEC IO I. 28.0  ZN AZSUN -2 -84.4 -7 -82.9 -81.2 -4 -80.9 -9 -81.2 -8 -84.9 -4 -85.0 -84.9 -9 -79.6 -78.5 -88.9 -9 -79.6 -78.5 -86.9 -8 -86.9 -8 -85.0 -86.9 -8 -85.0 -85.0 -85.0	ALT 98 65.79063  AZA A. 43.0 3.45976  42.1 3.42825  42.0 3.22943  41.3 3.53286  43.7 3.41702  42.9 3.55710  43.0 3.53286  43.1 3.53286  43.1 3.53286  43.1 3.53286  43.2 3.55058  40.6 3.6688  41.4 3.79103  42.2 3.55058  40.6 3.6688  41.4 3.79103  42.3 3.7871  43.8 3.7871  43.8 3.7871  43.8 3.77871  43.8 3.64422  44.0 3.51927  43.6 3.30853  43.6 3.21957	LAT LON -10.202 -21.528 B/A AZPHAZ INC. 0.899 -93.5 67. 0.909 -90.0 67. 0.907 -85.4 67. 0.905 -84.6 67. 0.807 -90.1 67. 0.809 -95.1 67. 0.809 -95.1 67. 0.809 -95.1 67. 0.800 -95.1 67. 0.910 -94.7 67. 0.991 -94.7 67. 0.991 -96.1 67. 0.906 -80.7 67. 0.906 -80.7 67. 0.806 -70.8 67. 0.806 -70.8 67. 0.806 -70.8 67. 0.807 67. 0.808 -70.0 67. 0.908 -70.0 67. 0.908 -70.0 67. 0.908 -70.0 67. 0.908 -70.0 67.	R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 2 53.2 16.7 4 47.9 21.3 6 4 2.5 26.2 7 42.2 29.2 7 42.2 29.2 7 42.2 29.2 7 42.2 29.2 7 42.2 29.2 1 53.0 20.8 2 53.0 20.8 2 53.0 20.8 2 53.0 20.8 2 53.0 20.8 2 53.0 20.8 3 8.0 29.8 3 8.0 29.8 8 38.0 29.8 8 38.0 29.8 8 38.0 29.8 6 43.2 24.5 8 38.0 29.8 3 30.8 4 9 36.9 33.9 37.2 31.4 9 36.9 33.9 37.2 31.4 9 36.9 33.9 37.2 31.4 9 36.9 33.9 37.2 31.4 9 36.9 33.9 37.2 31.4 9 36.5 23.2 40.6 6 48.6 33.4 3 53.8 30.5 50.5 25.5 25.2 50.5 58.4 17.9 9 58.4 17.9	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0-1 18.8 7.26443 1-2 13.6 10.08911 2-3 19.2 6.80213 3-4 24.9 7.25422 4-5 24.5 7.29242 5-6 23.0 7.76610 6-7 17.5 7.76518 7-8 12.0 7.24993 8-9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.39711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 29.8 7.54855 15-16 30.5 6.2240 16-17 30.1 7.57973 17-18 29.8 7.54855 15-16 30.5 6.2240 16-17 30.1 7.57973 17-18 29.8 7.54855 15-16 29.8 7.54855 15-16 29.8 7.57973 17-18 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18 29.8 7.54855 22-23 4.8 7.0586 20-21 15.3 8.07134 21-22 10.0 7.51655 22-23 4.8 7.02742 23-24 6.5 7.6 6.98601 25-26
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RAN  1 -10.634 -20.761 73.0 2 -10.794 -20.761 73.0 3 -10.576 -21.017 68.5 4 -10.564 -20.789 70.3 5 -10.551 -20.545 73.0 6 -10.789 -20.509 74.9 7 -11.042 -20.470 77.6 8 -11.037 -20.731 74.6 8 -11.037 -20.975 72.6 10 -10.800 -20.996 70.2 11 -10.576 -21.017 68.5 12 -10.408 -21.242 66.6 13 -10.391 -21.033 67.1 14 -10.373 -20.811 69.4 15 -10.355 -20.575 72.0 16 -10.334 -20.322 75.3 17 -10.536 -20.285 76.5 18 -10.783 -20.239 78.6 19 -11.045 -20.189 81.5 20 -11.327 -20.134 85.5 21 -11.313 -20.427 81.3 22 -11.301 -20.499 78.1 23 -11.290 -20.951 75.8 24 -11.200 -21.188 74.4 25 -11.035 -1.203 71.3 26 -10.805 -21.218 69.0 27 -10.588 -21.2131 69.4	GE AZS/C A 3886 -38.6 6 738.6 -38.6 6 7069 -49.3 5 9936 -58.6 6 2775 -64.7 07 8149 -47.1 8 9853 -39.8 7 8149 -47.1 8 9853 -39.8 7 81652 -30.6 5 0139 -38.1 5 6024 -49.7 3 3277 -63.7 3 3277 -63.7 3 3277 -63.7 3 3568 -68.9 9 7247 -52.9 10 356 -60.3 9 7247 -52.9 10 3156 -60.9 6 6142 -33.8 7 9203 -25.4 5 2984 -15.6 3 1308 -24.8 5	SEC IO I. 28.0 VA 28.0	MPACT ALT 98 65.79063  AZA A= 43.0 3.45976 42.1 3.42825 42.0 3.22943 41.3 3.32054 41.4 3.54329 42.2 3.65710 43.0 3.53286 43.7 3.41702 42.9 3.32065 42.0 3.22943 42.2 3.00594 41.3 3.15378 40.5 3.24792 39.8 3.34805 39.0 3.45499 39.7 3.55058 40.6 3.7871 43.8 3.64628 41.4 3.79103 42.3 3.77871 43.8 3.64422 44.6 3.51927 45.3 3.40260 44.5 3.30853 43.6 3.21957 42.8 3.319513	LAT LON -10.202 -21.528 B/A AZPHAZ INCL 0.899 -93.5 67. 0.909 -90.0 67. 0.936 -85.4 67. 0.936 -85.4 67. 0.936 -85.4 67. 0.847 -90.1 67. 0.849 -95.5 67. 0.849 -95.5 67. 0.807 -85.4 67. 0.910 -94.7 67. 0.939 -90.0 67. 0.910 -94.7 67. 0.939 -90.0 67. 0.931 -82.1 66. 0.990 -81.5 67. 0.991 -82.1 67. 0.991 -81.6 67. 0.991 -82.1 66. 0.990 -81.6 67. 0.991 -80.7 67. 0.928 -79.9 67. 0.896 -78.8 67. 0.896 -79.1 67. 0.896 -79.1 67. 0.896 -102.0 68. 0.896 -102.0 68. 0.896 -102.0 68. 0.819 -100.0 67. 0.850 -100.0 67. 0.851 -99.2 67. 0.891 -99.2 67. 0.891 -99.2 67. 0.891 -99.2 67.	R R 1801.246 D PHAZ EMIS 6 43.3 26.3 4 47.6 24.7 7 47.9 21.3 7 42.5 32.8 5 47.9 28.8 3 53.2 25.5 5 7.9 28.8 3 53.2 25.5 7 42.5 32.8 6 48.4 19.2 6 43.2 24.5 6 43.3 36.8 4 83.4 3 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35	V PTH AZ 2.575 -64.768 114.921  ALPHA SCALE PT-PT 23.8 0. 0-1 18.8 7.26443 1-2 13.6 10.08911 2-3 19.2 6.80213 3-4 24.9 7.25422 4-5 24.5 7.29242 5-6 23.0 7.76610 6-7 17.5 7.76518 7-8 12.0 7.24993 8-9 13.2 7.21830 9-10 13.6 6.80767 10-11 7.9 8.39711 11-12 13.4 6.25129 12-13 18.9 6.3573 13-14 24.4 7.0536 14-15 29.8 7.54855 15-16 30.5 6.2240 16-17 30.1 7.57973 17-18 28.8 7.54855 15-16 30.5 6.2240 16-17 30.1 7.57973 17-18 28.8 7.54855 15-16 29.8 7.54855 15-16 29.8 7.54855 15-16 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18 29.8 7.54855 15-16 30.5 6.22240 16-17 30.1 7.57973 17-18 29.8 7.54855 21-23 4.8 7.0536 20-21 15.3 8.07134 21-22 10.0 7.51655 22-23 4.8 7.02742 23-24 6.5 7.6 6.98601 25-26

RA-VII CAMERA FA

THAT CON DATA  PHOTO STA  PHOTO S	JULY 31,1964 13 H	R 25 MIN 25	SEC 822	MS	1	TAB NO	195	ATLA	AS PHOTO	NO	195	POD S	EQUENCE NO 396
PHOTO DATA  1	TRAJECTORY DATA							LAT	LOI				
For   LAT	PHOTO DATA				22.	978	53.85239	-10.2	278 -21.	362	1789.30	8 2.582	-04.000 114.840
1 - 10.633 - 20.532		RANGE	AZS/C	A7N	AZSUN	A7 A	4.	B/A	A7PHA7	T N° D	DHA7 FMIS	AI DHA	SCALE PT-PT
2 - 10.765 - 20.728		59.79420	-38.8										
\$ -10.57620.751   57.66868				6.7									5.92080 1-2
5 - 10.566 - 20.522 59.82234 - 64.7 7.9 - 80.6 40.6 2.8149505 - 84.6 27.6 42.5 26.2 24.9 5.49108 4-5 6 - 10.761 - 120.522 6.3404 - 57.5 6.3718.6 5 6 7 - 10.988 - 20.490 63.60510 - 47.6 8.2 - 82.7 41.3 2.99556 0.489 - 95.5 6.7 42.5 32.7 23.0 6.35046 5- 7 - 10.988 - 20.490 63.60510 - 47.6 8.5 - 84.8 42.1 2.99556 0.489 - 95.5 6.7 42.5 32.7 23.0 6.35046 5- 7 - 10.988 - 20.490 63.60510 - 47.6 8.5 - 84.8 42.1 2.99556 0.489 - 95.5 6.7 42.5 32.7 23.0 6.35046 5- 7 - 10.988 - 20.490 63.60510 - 47.6 8.5 - 84.8 42.1 2.99556 0.489 - 95.5 6.7 42.5 32.7 23.0 6.35046 5- 7 - 10.988 - 20.490 63.6 5.60510 - 47.6 6.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8	3 -10.587 -20.938												
6 - 10.761 - 20.522 61.34040 - 55.0 8.2 - 82.7 \$1.3 2.9026 0.877 - 90.1 \$1.7, \$42.5 2.1 \$2.5 5.97386 5- 6 7- 10.986 - 20.490 63.40510 - 77.2 8.5 - 88.8 \$4.21 2.99556 0.899 - 95.5 67.7 \$42.5 22.7 2.1 \$4.5 5.97386 5- 6 8.0 90.5 \$1.950 - 77.4 \$2.5 2.7 \$2.5 \$1.7.5 6.3066 7- 8 8.0 90.5 \$1.950 - 77.4 \$1.5 2.7 \$1.7 \$1.5 6.3066 7- 8 8.0 90.5 \$1.950 - 77.4 \$1.5 2.7 \$1.7 \$1.5 6.3066 7- 8 8.0 90.5 \$1.950 - 77.4 \$1.5 2.7 \$1.7 \$1.5 6.3066 7- 8 8.0 90.5 \$1													
7 - 10.988 - 20.990 63.60510 - 47.2 8.5 - 88.8 42.1 2.9955 0.189 - 95.5 6.7.7 42.5 32.7 23.0 6.35944 6-7 8 - 10.986 - 20.700 61.18591 - 40.0 6.9 - 88.9 42.8 2.9318 0.880 - 95.1 67.7 42.5 32.7 23.0 6.35944 6-7 8 - 10.996 - 20.700 59.47665 - 30.8 5.4 - 85.0 43.5 2.77660 0.911 - 40.7 67.3 53.2 5.5 12.0 5.93977 8-9 11 - 10.994 - 20.933 59.47665 - 30.8 5.4 - 85.0 43.5 2.77660 0.911 - 40.7 67.3 53.2 5.5 12.0 5.93977 8-9 11 - 10.994 - 20.933 59.47665 - 30.8 5.4 - 85.0 43.5 2.77660 0.911 - 40.7 67.3 53.2 5.5 12.0 5.93977 8-9 11 - 10.994 - 20.933 59.47660 - 30.8 5.4 - 85.0 43.5 2.7766 0.911 - 40.7 67.3 53.2 5.5 12.0 5.93977 8-9 11 - 10.494 - 20.123 59.45817 - 49.9 3.5 - 79.9 42.1 2.46260 0.991 - 40.7 67.3 53.2 5.5 12.0 6.0 6.9 10.0 11 12 - 10.494 - 20.123 59.45817 - 49.9 3.5 - 79.9 42.1 2.46260 0.991 - 40.7 15.0 10.1 12 13 - 10.435 - 20.952 59.47519 - 30.4 4.9 - 79.6 41.3 2.46260 0.991 - 40.7 15.1 1.0 1.2 18.0 5.46261 12.1 13 14 - 10.421 - 20.770 56.92399 - 70.4 6.3 - 79.5 40.0 2.46260 0.999 - 60.7 67.4 48.1 19.2 18.0 5.46646 12.1 15.1 10.2 19.0 10.1 12.1 10.5 10.0 10.0 10.0 10.0 10.0 10.0 10													
8 - 10.966 - 20.706   61.18591   -40.0   6.9   -84.9   42.8   2.893718   0.880   -95.1   67.5   47.5   27.5   27.5   5.93066   7-8   9 - 10.966 - 20.903   59.47665   -30.8   54.9   -55.0   43.5   2.77660   0.11   -94.7   67.3   53.2   25.5   12.2   5.93977   8-9   10 - 10.770 - 20.922   57.57110   -30.3   52.6   -85.1   42.7   2.77660   0.11   -94.7   67.3   53.2   25.5   12.2   5.93977   8-9   10 - 10.770 - 20.922   57.57110   -30.3   52.6   -30.4   41.7   2.77660   0.19   -90.0   67.3   53.2   25.5   12.0   5.9397   70.1   13 - 10.435 - 20.952   55.47519   -63.4   4.9   -79.6   41.3   2.58360   0.990   -81.5   67.2   53.7   14.1   13.4   5.12108   12.13   14 - 10.421   -20.770   68.97399   -70.4   6.3   -79.2   40.6   2.66000   0.990   -81.5   67.2   53.7   14.1   13.4   5.12108   12.13   15 - 10.405 - 20.576   56.97399   -74.5   7.6   -76.9   31.9   2.74250   0.928   -79.9   -80.7   64.4   19.2   18.9   5.49664   13.14   15 - 10.405 - 20.5360   61.75551   -77.3   9.0   75.3   35.2   2.28994   0.997   -78.8   67.8   30.2   29.5   24.6   5.12108   13.1   16 - 10.3389 - 20.5389   61.75551   -77.3   9.0   75.3   35.2   2.28994   0.997   -78.8   67.8   30.2   29.5   24.6   5.12108   13.1   18 - 10.756 - 20.301   64.38003   -80.2   91.6   -82.5   40.6   2.29994   0.997   -78.8   67.8   30.2   29.5   29.8   6.18108   15.1   18 - 10.756 - 20.301   64.38003   -80.2   91.6   -82.5   40.6   2.29994   0.997   -78.8   67.8   31.0   20.9   31.8   30.1   6.20055   17.18   18 - 10.756 - 20.301   64.38003   -80.2   91.0   -84.7   41.4   3.10947   0.914   -99.1   67.7   37.2   60.9   33.8   30.1   6.20055   17.18   18 - 10.756 - 20.301   64.38003   -80.2   91.0   -84.7   41.5   3.00540   -99.0   67.7   40.9   37.7   37.2   60.9   37.2													
9 - 10 - 904 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -													
10 - 10 - 770 - 20, 921													
11 - 10 - 397 - 20, 938   56.16498 - 49, 4   5.0 - 81.2   41.9   7.0, 51.6   0.966 - 89.4   67.2   53.2   16.8   13.7   5.57619   10-11   12 - 10.449 - 21.123   54.58817 - 49.9   3.5 - 79.9   42.1   2.46246   0.981   -82.1   67.2   53.2   16.8   13.7   5.57619   10-11   13.4   5.12108   12-13   14.1   15.4   5.12108   14.1   15.4   5.12108   12-13   14.1   15.4   5.12108   12-13   14.1   15.4   5.12108   12-13   14.1   15.4   5.12108   12-13   14.1   15.4   5.12108   12-13   14.1   15.4   5.12108   12-13   14.1   15.4   5.12108   12-13   14.1   15.4   5.12108   15.1   15.4   5.12108   15.4   5.12108   15.4   5.12108   15.2   5.12108   15.4   5.12108   15.2   5.12108   15.2   5.12108													
12 - 10.449 - 21.123	11 -10.587 -20.938	56.16498	-49.4						-85.4	67.2	53.2 16.8	13.7	
14 - 10.421	12 -10.449 -21.123								-82.1	67.1	58.9 9.6	8.0	6.91270 11-12
15 - 10.405 - 20.576													
16 - 10.389 - 20.369   61.75551 - 77.3 9.0 - 78.5 39.2   2.22994 0.897   -78.8 67.8 38.0 29.8   29.8   6.18160 15-16   17 - 10.576 - 20.301   64.38603 - 60.2 9.6 - 82.5   60.6   3.00340   0.837   8-40 78.8   67.8 37.2   31.3 30.4   5.09516   11.1   10.971 - 20.260   68.81008   52.9   10.0 - 86.9   24.2   3.10340   0.840   -90.1   67.9   30.9   33.8   30.1   6.20855   17-18   19.10.971   20.261   70.09386   -46.7   10.8   -86.9   42.2   3.21329   0.788   -102.0   66.0   38.4   60.5   28.4   6.2555   17-18   20.11.201   20.2165   70.09386   -46.7   10.8   -86.9   42.2   3.21329   0.788   -102.0   66.0   38.4   60.5   28.4   6.2555   17-18   22.11.171   -20.884   62.14732   -25.6   5.6   -86.9   44.3   2.88189   0.882   -99.2   67.4   53.8   30.5   10.1   6.1594   22.2   22.11.180   -20.677   64.01066   60.49055   -15.9   4.0   -87.0   45.0   2.78592   0.911   -98.5   -72.5   50.5   6.60.9   44.3   2.88189   0.882   -99.2   67.4   53.8   30.5   10.1   6.1594   22.23   22.11.171   -20.884   62.14732   -25.6   5.6   -86.9   44.3   2.288189   0.882   -99.2   67.4   53.8   30.5   10.1   6.1594   22.23   22.11.171   -20.596   -20.11.301   56.13990   -19.5   3.9   -85.1   44.2   2.70934   0.940   -94.3   67.1   55.5   23.1   6.6   6.0881   24.25   22.10.963   -20.963   -20.10.9	14 -10.421 -20.770								-80.7	67.4	48.4 19.2	18.9	
18 - 10.75420.339													
18 - 10.756 - 20.301									-78.8	67.8	38.0 29.8	29.8	
19 - 10.971 - 20.260 66.81008 - 52.9 10.0 - 58.7 14.4 3 .10497 0.817 - 96.1 57.9 37.2 36.9 28.4 6.62562 18-19 20 - 11.201 - 20.216 70.0333 - 64.7 10.4 - 86.9 42.9 3.10453 0.88 - 102.0 68.0 38.2 40.5 25.4 7.09675 19-20 21 - 11.190 - 20.455 66.61360 - 41.0 8.8 - 86.9 42.9 3.09453 0.820 - 100.9 67.6 48.6 33.3 15.7 7.12459 20-21 22 - 11.180 - 20.677 64.01066 - 34.0 7.2 - 86.9 44.3 2.88189 0.882 - 90.2 67.4 53.8 30.5 10.1 6.15694 22-23 23 - 11.171 - 20.884 62.14732 - 25.5 5.6 - 86.9 44.3 2.88189 0.882 - 90.2 67.4 53.8 30.5 10.1 6.15694 22-23 22 - 10.963 - 21.091 58.39990 - 19.5 3.9 - 85.1 44.2 2.70934 0.940 - 94.3 67.1 58.5 23.1 6.6 6.06871 24-25 25.0 - 10.774 - 21.103 56.51840 - 25.1 3.7 - 83.3 43.4 2.63586 0.968 - 90.0 67.1 58.4 17.9 7.7 5.1 1968 23-26 27 - 10.596 - 21.114 55.2510 - 34.7 3.6 - 81.5 42.6 2.56751 0.996 - 85.8 67.1 58.5 13.1 6.1 5.0549 22-23 22 24.049 - 21.123 54.58817 49.9 3.5 - 79.9 42.1 2.40246 0.981 - 92.1 67.1 58.5 9.6 6.0 4.47076 22-28 22 22 22 22 22 22 22 22 22 22 22 22 2													
20 -11.201 -20.216 70.03936 -46.7 10.4 -86.9 42.2 3.21329 0.788 -102.0 68.0 38.2 40.5 25.4 7.09675 19-20 21 -11.190 -20.455 66.61330 -41.0 8.8 -86.9 42.9 3.04953 0.820 -100.9 67.8 43.3 36.7 20.5 7.12459 20-21 22 -11.180 -20.617 64.01066 -34.0 7.2 -86.9 43.6 2.99444 0.851 -100.0 67.6 48.6 33.3 15.3 6.00954 21-22 23 -11.171 -20.884 62.14732 -25.6 5.6 -86.9 43.5 2.99444 0.851 -100.0 67.6 48.6 33.3 15.3 6.00954 21-23 24 -11.163 -21.078 60.44055 -15.9 4.0 -87.0 45.0 2.78592 0.911 -98.5 67.2 59.0 28.4 4.9 5.75623 23-24 25.10.469 -21.101 55.2490 -10.5 3.9 -85.1 4.2 2.70934 0.400 -49.3 67.2 59.0 28.4 4.9 5.75623 23-24 25.10.469 -21.101 55.2490 -12.5 3.7 -85.1 4.2 2.70934 0.400 -49.3 67.1 55.5 23.1 6. 6. 60.6871 24-25 27.10.49 -21.101 55.2490 -22.7 3.7 -85.1 4.2 2.6568 0.980 -90.0 67.1 55.7 15.5 23.1 6. 6. 60.6871 24-25 27.10.49 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.4626 0.981 -90.0 67.1 55.5 33.1 8.1 5.10490 25-27 28 -10.449 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.4626 0.981 -90.1 67.1 58.9 7.0 6.0 4.47076 27-28 28 28 28 28 28 28 28 28 28 28 28 28 2	19 -10-971 -20-260												
22 - 11.190 - 20.455 66.61360 - 41.0 8.8 - 86.9 42.9 3.09453 0.820 - 100.9 67.8 43.3 36.7 20.5 7.12459 20-21 22 - 11.171 - 20.864 6.310 - 20.676 64.01066 - 34.0 7.2 - 86.9 43.6 2.9444 0.851 - 100.0 67.6 48.6 33.3 15.3 6.0955 21.22 23 - 11.171 - 20.864 62.14732 - 25.6 5.6 - 86.9 44.3 2.88189 0.882 - 99.2 67.4 53.8 30.5 10.1 6.15694 22-23 24 - 11.163 - 21.078 60.94055 - 15.9 4.0 - 87.0 45.0 2.78952 0.911 - 98.5 67.2 59.0 28.4 4.9 5.75623 23-24 25 - 10.963 - 21.091 55.39990 - 19.5 3.9 - 85.1 44.2 2.70934 0.940 - 94.3 67.1 56.5 23.1 6.6 6.06871 24-25 26 - 10.774 - 21.103 55.1346 - 25.1 3.7 - 83.3 3.4 . 2.56868 0.968 - 90.0 67.1 56.5 23.1 6.6 6.06871 24-25 27 - 10.596 - 21.114 55.24510 - 34.7 3.6 - 81.5 42.6 2.55751 0.996 - 85.8 67.1 56.5 13.1 8.1 5.40549 26-27 28 - 10.4949 - 21.123 55.8817 - 749.9 2.1 2.45246 0.981 - 82.1 67.1 56.9 9.6 8.0 4.47076 27-28 27 - 10.596 - 21.114 55.24510 - 34.7 3.6 - 81.5 42.6 2.56751 0.996 - 85.8 67.1 56.5 13.1 8.1 5.40549 26-27 28.5 12.1 4.9 2.00549 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0													
23 -11.171 - 20.884 62.14732 -25.6 5.6 -86.9 44.3 2.88189 0.882 -99.2 67.4 53.8 30.5 10.1 6.15094 22-23 24 -11.163 -21.0718 60.94055 -15.9 4.0 -87.0 45.0 2.78592 0.914 -88.5 67.2 59.0 28.4 4.9 5.75623 23-24 25 -10.963 -21.091 58.39990 -19.5 3.9 -85.1 44.2 2.70938 0.940 -94.3 67.1 58.5 23.1 6.0 6.06871 24-25 27 -10.596 -21.114 55.24510 -34.7 3.6 -81.5 42.6 2.56751 0.996 -85.8 67.1 58.4 17.9 7.7 5.71968 27-27 28 -10.494 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.46240 0.991 -82.1 67.1 58.2 13.1 8.1 5.40549 22-27 28 -10.494 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.46240 0.991 -82.1 67.1 58.2 13.1 8.1 5.40549 22-27 28 -10.494 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.46240 0.991 -82.1 67.1 58.9 9.6 8.0 4.47076 27-28 28 -10.494 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.46240 0.991 -82.1 67.1 58.9 9.6 8.0 4.47076 27-28 28 -10.494 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.46240 0.991 -82.1 67.1 58.9 9.6 8.0 4.47076 27-28 28 -10.494 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.46240 0.991 -82.1 67.1 58.9 9.6 8.0 4.47076 27-28 28 -10.494 -21.123 54.58817 -49.9 3.5 -79.9 42.1 2.46240 0.991 -93.5 5.1 58.1 17.8 8.1 17.8 8 1.5 4.50818 -10.494 -	21 -11.190 -20.455	66.61360	-41.0		-86.9	42.9							7.12459 20-21
24 - 11.163 - 21.078					-86.9	43.6							
25 - 10. 963 - 21.091	23 -11.171 -20.884												
26 -10.774 - 21.103													
27 - 10.596 - 21.114 55.24510 - 34.7 3.6 - 81.5 42.6 2.56751 0.996 - 85.8 67.1 58.5 13.1 8.1 5.40549 26-27 28 - 10.449 - 21.123 54.58817 - 49.9 3.5 - 79.9 42.1 2.46246 0.981 - 82.1 67.1 58.9 9.6 8.0 4.47076 27-28    TAB NO 196 ATLAS PHOTO NO 196 POD SEQUENCE NO 398    TAB JECTURY DATA													
TRAJECTURY DATA  TRAJEC													
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA 1-10-0-32 -20-594 4-6-52141 -38-9 6-3 -84-4 42-7 2-20-12 0-900 -93-5 67-6 43-4 26-1 23-7 0. 0-1 2 -10-73/6 -20-696 4-6-00466 -48-1 6-7 -8-2.9 41-9 2-18-03 0.996 -85-4 67-3 53-2 16-8 13-7 0. 0-1 3 -10-597 -20-899 43-72071 -49-5 5-1 -81-2 41-9 2-18-03 0.996 -85-4 67-3 53-2 16-8 13-7 0. 0-1 4 -10-894 -20-511 49-51927 -47-3 8-6 6-5 -80-9 41-2 2-12-3 10-595 -20-511 49-51927 -47-3 8-6 6-5 -80-9 41-2 2-12-3 10-597 -20-859 4-5194 -48-6 7-9 -80-6 40-6 40-6 40-6 40-6 40-6 40-6 40-6 4													
TRAJECTURY DATA  PHOTO OATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA  1 -10.632 -20.584 46.52141 -38.9 6.3 -84.4 42.7 2.20612 0.900 -93.5 67.6 43.4 26.1 23.7 0. 0. 1  2 -10.736 -20.696 46.0046 -48.1 6.7 -82.9 41.9 2.05908 0.966 -85.4 67.3 53.2 16.8 13.7 6.43707 2-3  4 -10.589 -20.714 44.89573 -58.6 6.5 -80.9 41.2 2.12334 0.936 -85.0 67.5 47.6 24.7 18.9 4.88836 1-2  5 -10.581 -20.559 46.5740 -64.6 7.9 -80.6 40.6 2.11513 0.905 -85.6 67.5 47.9 21.3 19.3 4.33989 3-4  6 -10.732 -20.555 46.7140 -64.6 7.9 -80.6 40.6 2.11513 0.905 -84.6 67.6 42.5 26.2 24.9 4.62722 4-5  6 -10.732 -20.553 47.77397 -55.0 8.2 -82.7 41.3 2.25979 0.878 -90.0 67.7 42.2 29.1 24.5 4.65090 5-6  7 -10.894 -20.511 49.51427 -47.3 8.4 -84.8 42.0 2.33194 0.850 -95.5 67.7 42.2 29.1 24.5 4.65090 5-6  8 -10.892 -20.677 47.63084 -40.1 6.9 -84.9 42.7 2.25269 0.880 -95.1 67.5 47.9 28.8 17.6 4.95159 7-8  9 -10.891 -20.853 40.78088 -50.0 3.5 7.9 42.0 2.1714 0.911 -46.6 77.4 45.3 2.2555 12.1 4.24409 8-9  10 -10.740 -20.846 44.76134 -38.5 5.2 -83.1 42.6 2.11729 0.938 -90.0 67.4 53.0 20.9 13.3 4.00018 9-10  11 -10.597 -20.859 43.72071 -49.5 5.1 -81.2 41.9 2.05908 0.966 -85.4 67.3 53.2 16.8 13.7 4.34079 10-11  12 -10.490 -21.004 42.46388 -50.0 3.5 -79.9 42.0 1.9114 0.981 -82.1 67.5 47.9 28.8 17.6 4.95159 7-8  10 -10.740 -20.876 44.1297 -70.2 6.3 -79.9 42.0 1.9114 0.981 -82.1 67.2 58.9 9.7 8.2 5.88222 11-12  13 -10.479 -20.879 44.1297 -70.2 6.3 -79.2 40.6 2.01010 0.959 -80.7 67.4 48.4 19.3 19.0 4.23312 13-14  15 -10.456 -20.578 45.92841 -74.4 7.7 -78.8 40.0 2.13497 0.928 -79.9 67.6 43.2 24.5 24.4 4.50622 14-15  16 -10.443 -20.417 48.07252 -77.1 9.0 -78.4 39.4 2.2029 0.897 -78.8 67.7 38.0 29.8 29.7 4.81086 15-16  17 -10.572 -20.393 48.80533 -68.8 9.3 -80.3 40.0 2.13497 0.928 -79.9 67.6 43.3 30.4 0.4 3.96876 16-17  18 -10.699 -20.486 47.4209 -3.4 1.8 8.8 -87.0 42.7 2.24648 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23  21 -11.059 -20.868 47.4209 -16.2 4.0 -87.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23  22 -11.052 -20.818 48.36989 -25.8 5.6 -87.0 44.0		2.020421	,,,,			****	2170270	V. /VI			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA  PT LAT LON RANGE ACS/C AZN AZSUN AZA  PT LAT LON RANGE ACS/C AZN AZSUN AZA  PT LAT LON RANGE ACS/C AZN AZSUN AZA  PT LON-736 - 20.696 46.00446 - 48.1 6.77 - 82.9 41.9  2 -10.736 - 20.696 46.00446 - 48.1 6.77 - 82.9 41.9  2 -10.736 - 20.696 46.00446 - 48.1 6.77 - 82.9 41.9  3 -10.597 - 20.859 43.72071 - 49.5 5.1 - 81.2 41.9  2 -510.589 - 20.714 44.89573 - 588.6 6.5 - 80.9 41.2  5 -10.581 - 20.559 46.57440 - 64.6 7.9 - 80.6 40.6  2 -10.732 - 20.555 47.77397 - 55.0 8.2 - 82.7 41.3  2 -25979 0.878 - 90.0 67.7 42.2 29.1 24.5 4.65090 5-6  7 -10.894 - 20.511 49.51427 - 47.3 8.4 - 84.8 42.0  2 -10.891 - 20.695 47.63084 - 40.1 6.9 - 84.9 42.7  9 -10.891 - 20.695 47.763084 - 40.1 6.9 - 84.9 42.7  1 -10.490 - 20.864 44.76134 - 38.5 5.2 - 83.1 42.6  2 -10.757 - 20.859 43.72071 - 49.5 5.1 - 81.2 41.9  2 -10.490 - 21.004 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 21.004 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 21.004 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 21.004 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 21.004 43.1297 - 70.2 6.3 - 79.2 40.6  2 -10.490 - 20.807 43.1297 - 70.2 6.3 - 79.2 40.6  2 -10.490 - 20.807 43.1297 - 70.2 6.3 - 79.2 40.6  2 -10.490 - 20.808 - 35.0 40.2728 44.31297 - 70.2 6.3 - 79.2 40.6  2 -10.490 - 20.808 - 35.0 52.0 53.0 40.3 40.7 52.0 14.0 40.0 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 21.004 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 21.004 43.3297 - 70.2 6.3 - 79.2 40.6  2 -10.490 - 21.004 43.3297 - 70.2 6.3 - 79.2 40.6  2 -10.490 - 20.808 - 30.0 40.0 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 20.808 - 30.0 40.0 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 20.808 - 30.0 40.0 42.48388 - 50.0 3.5 - 79.9 42.0  1 -10.490 - 20.808 - 30.0 40.0 42.48388 - 50.0 3.5 - 79.9 42.0  2 -10.490 - 20.808 - 30.0 40.0 42.48388 - 50.0 3.5 - 79.9 42.0  2 -10.400 - 20.808 - 30.0 40.0 42.48388 - 50.0 3.5 - 79.9 42.0  2 -10.400 - 20.808 - 30.0 40.0 42.48388 - 50.0 3.5 - 79.9 42.0  2 -10.400 - 20.808 - 30.0 40.0 42.48388 - 50.0 40.0 42.48388 - 50.0 40.0													
PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA A & B/A AZPHAZ INCO PHAZ EMIS ALPHA COLOR	JULY 31,1964 13 H	R 25 MIN 30	SEC 941	MS	•	TAB NO	196	ATL	AS PHOTO	NO	196	POD S	SEQUENCE NO 398
1 - 10.632 - 20.584		R 25 MIN 30	SEC 941		SEC TO	IMPACT	ALT	LAI	r LO	N	R	v	PTH AZ
2 -10.736 -20.696	TRAJECTURY DATA	R 25 MIN 30	SEC 941		SEC TO	IMPACT	ALT	LAI	r LO	N	R	v	PTH AZ
3 -10.597 -20.859 43.72071 -49.5 5.1 -81.2 41.9 2.05908 0.966 -85.4 67.3 53.2 16.8 13.7 6.43707 2-3 4.10.599 -20.114 44.89573 -88.6 6.5 -80.9 41.2 21.2334 0.936 -85.0 67.5 47.9 21.3 19.3 4.33989 3-4 5-10.581 -20.5559 46.57440 -64.6 7.9 -80.6 40.6 21.9153 0.905 -84.6 67.6 42.5 26.2 24.9 4.62722 4-5 6-10.732 -20.535 47.77397 -55.0 8.2 -82.7 41.3 2.25979 0.878 -90.0 67.7 42.2 29.1 24.5 4.65090 5-6 7-10.894 -20.511 49.51427 -47.3 8.4 -84.8 42.0 2.33194 0.850 -95.5 67.7 42.5 32.6 23.0 4.94924 6-7 8-10.892 -20.677 47.63084 -40.1 6.9 -84.9 42.7 2.25269 0.880 -95.1 67.5 47.9 28.8 17.6 4.95159 7-8 9-10.981 -20.832 46.29608 -31.0 5.4 -85.1 43.3 2.17843 0.911 -94.6 67.4 53.2 25.5 12.1 4.62490 8-9 10 -10.740 -20.846 44.76134 -38.5 5.2 -83.1 42.6 2.11729 0.938 -90.0 67.4 53.0 20.9 13.3 4.60018 9-10 11.0 57.7 20.859 43.72071 -49.5 5181.2 41.9 2.05908 0.966 -85.4 67.3 53.2 16.8 13.7 4.34079 10-11 12 -10.490 -21.004 42.48388 -50.0 3.5 -79.9 42.0 1.91714 0.981 -82.1 67.2 58.9 9.7 8.2 5.38262 11-12 13-10.468 -20.728 44.31297 -70.2 6.3 -79.2 40.6 2.07101 0.991 -81.5 67.3 53.7 14.2 13.5 3.98702 12-13 14 -10.468 -20.728 44.31297 -70.2 6.3 -79.2 40.6 2.07101 0.995 -80.7 67.4 48.4 19.3 19.0 4.23312 13-14 15 -10.455 -20.578 45.92841 -74.4 7.7 -78.8 40.0 2.13497 0.928 -79.9 67.6 43.2 24.5 24.4 4.50622 14-15 16 -10.443 -20.417 48.07252 -77.1 9.0 -78.4 39.4 2.2029 0.897 -78.8 67.7 38.0 29.8 29.7 4.81086 15-16 17 -10.572 -20.393 50.12265 -60.2 9.6 -82.5 40.7 2.33825 0.846 -90.1 67.8 33.2 24.5 24.4 4.50622 14-15 16 -10.443 -20.484 51.8456 -41.1 8.8 -87.0 42.7 2.40848 0.821 -100.9 67.7 43.3 36.6 20.5 5.54115 0.222 23 -11.052 -20.818 48.36698 -25.8 5.6 -87.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 24-11.059 -20.6857 4.86089 -25.8 5.6 -87.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 24-11.059 -20.988 47.42059 -16.2 4.0 -87.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 24-11.059 -20.086 43.98920 -25.5 3.8 -83.3 43.2 2.05217 0.998 -90.0 67.2 58.5 13.2 8.3 4.20734 22-22 23 -11.059 -20.988 43.9	TRAJECTURY DATA				SEC TO 17.	IMPACT 858	ALT 41.89232	LA1	T LO 355 -21.	N 194	R 1777.34	V 8 2.589	PTH AZ -64.551 114.858 SCALE PT-PT
4 -10,589 -20,714	TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -10.632 -20.584	RANGE 46.52141	AZS/C -38.9	AZN 6.3	SEC TO 17. AZSUN -84.4	IMPACT 858 AZA 42.7	ALT 41.89232 A* 2.20612	LA1 ! -10.; B/A 0.900	T LO 355 -21. AZPHAZ -93.5	N 194 INCD 67.6	R 1777.34 PHAZ EMIS 43.4 26.1	V 8 2.589 ALPHA 23.7	PTH AZ -64-551 114-858 SCALE PT-PT 0- 0- 1
5 -10.581 -20.559	TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -10.632 -20.584 2 -10.736 -20.696	RANGE 46.52141 46.00446	AZS/C -38.9 -48.1	AZN 6.3 6.7	SEC TO 17. AZSUN -84.4 -82.9	IMPACT 858 AZA 42.7 41.9	ALT 41.89232 A* 2.20612 2.18633	B/A 0.900 0.908	T LO 355 -21. AZPHAZ -93.5 -90.0	N 194 INCD 67.6 67.5	R 1777.34 PHAZ EMIS 43.4 26.1 47.6 24.7	V 8 2.589 ALPHA 23.7 18.9	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2
6 -10.732 -20.535 47.77397 -55.0 8.2 -82.7 41.3 2.25979 0.878 -90.0 67.7 42.5 22.6 23.0 4.94924 6-7 8 -10.892 -20.677 47.63084 -40.1 6.9 -84.8 42.0 2.33194 0.850 -95.5 67.7 42.5 32.6 23.0 4.94924 6-7 8 -10.892 -20.677 47.63084 -40.1 6.9 -84.9 42.7 2.25269 0.880 -95.1 67.5 47.9 28.8 17.6 4.95159 7-8 9 -10.891 -20.82 40.29608 -31.0 5.4 -85.1 43.3 2.1743 0.911 -94.6 47.4 53.2 25.5 12.1 4.82490 8-9 10 -10.740 -20.864 44.76134 -38.5 5.2 -83.1 42.6 2.11729 0.938 -90.0 67.4 53.0 20.9 13.3 4.60018 9-10 11 -10.597 -20.865 43.72071 -49.5 5.1 -81.2 41.9 2.055908 0.966 -85.4 67.3 53.2 16.8 13.7 4.34079 10-11 12 -10.490 -21.604 42.48388 -50.0 3.5 -79.9 42.0 1.91714 0.981 -82.1 67.2 55.9 9.7 8.2 5.38262 11-12 13 -10.479 -20.870 43.18095 -63.3 4.9 -79.6 41.3 2.01059 0.899 -81.5 67.3 53.7 14.2 13.5 3.98702 12-13 14 -10.468 -20.728 44.31297 -70.2 6.3 -79.2 40.6 2.07101 0.959 -80.7 67.4 48.4 19.3 19.0 4.23312 13-14 15 -10.456 -20.578 45.92841 -74.4 7.7 -78.8 40.0 2.13497 0.928 -79.9 67.6 43.2 24.5 24.4 4.50622 14-15 16 -10.443 -20.417 48.07525 -77.1 9.0 -78.4 39.4 22.0292 0.897 -78.8 67.7 38.0 29.8 29.7 4.81086 15-16 17 -10.572 -20.393 48.80533 -68.8 9.3 -80.3 40.0 2.26414 0.874 -84.0 67.8 37.2 31.3 30.4 3.96876 16-17 18 -10.66 -20.325 5.00380 -52.9 10.0 -84.7 41.4 2.41686 0.814 -96.1 67.9 37.2 36.8 28.3 30.0 4.83304 17-18 19 -10.896 -20.332 52.00380 -52.9 10.0 -84.7 41.4 2.41686 0.818 -96.1 67.9 37.2 36.8 28.3 5.15535 18-19 2-10.055 -20.898 -34.1 7.2 -87.0 44.6 2.2686 0.881 -99.2 67.4 53.8 30.4 10.2 4.73301 22-23 11.052 -20.818 48.36698 -25.8 5.6 -87.0 44.6 2.1686 0.882 -99.2 67.4 53.8 30.4 10.2 4.73301 22-23 23-11.052 -20.818 48.36698 -25.8 5.6 -87.0 44.6 2.1686 0.882 -99.2 67.4 53.8 30.4 10.2 4.73301 22-23 23-11.052 -20.818 48.36698 -25.8 5.6 -87.0 44.6 2.1686 0.882 -99.2 67.4 53.8 30.4 10.2 4.73301 22-23 23-11.052 -20.818 48.36698 -25.8 5.6 -87.0 44.6 2.1686 0.882 -99.2 67.4 53.8 30.4 10.2 4.73301 22-23 23-11.052 -20.818 48.36698 -25.8 5.6 -87.0 44.6 2.1686 0.882 -99.2 67.4 53.8 30.4 10.2 4.73301 22-23 23-11.052 -20.818 48.3	TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -10.632 -20.584 2 -10.736 -20.696 3 -10.597 -20.859	RANGE 46.52141 46.00446 43.72071	AZS/C -38.9 -48.1 -49.5	AZN 6.3 6.7 5.1	SEC TO 17. AZSUN -84.4 -82.9 -81.2	IMPACT 858 AZA 42.7 41.9	ALT 41.89232 A+ 2.20612 2.18633 2.05908	B/A 0.900 0.908 0.966	T LO 355 -Z1. AZPHAZ -93.5 -90.0 -85.4	N 194 INCD 67.6 67.5 67.3	R 1777.34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8	V 8 2.589 ALPHA 23.7 18.9 13.7	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3
7 -10.894 -20.511 49.51427 -47.3 8.4 -84.8 42.0 2.33194 0.850 -95.5 67.7 42.5 32.6 23.0 4.94924 6-7 8-10.892 -20.677 47.63084 -60.1 6.9 -84.9 42.7 2.525269 0.880 -95.1 67.5 47.9 28.8 17.6 4.95159 7-8 9 -10.891 -20.832 46.29608 -31.0 5.4 -85.1 43.3 2.1724 0.911 -94.6 67.4 53.2 25.5 12.1 4.62490 8-9 10 -10.740 -20.846 44.76134 -38.5 5.2 -83.1 42.6 2.11729 0.938 -90.0 67.4 53.0 20.9 13.3 4.60018 9-10 11 -10.757 -20.859 43.72071 -49.5 5.1 -81.2 41.9 2.05908 0.966 -85.4 67.3 53.2 16.8 13.7 4.304079 10-11 12 -10.490 -21.004 42.48388 -50.0 3.5 -79.9 42.0 1.91714 0.981 -82.1 67.2 58.9 9.7 8.2 5.38262 11-12 13 -10.479 -20.870 43.18095 -63.3 4.9 -79.6 41.3 2.01059 0.999 -81.5 67.3 53.7 14.2 13.5 3.98702 12-13 14 -10.468 -20.728 44.31297 -70.2 6.3 -79.2 40.6 2.07101 0.959 -80.7 67.4 48.4 19.3 19.0 4.23312 13-14 15.5 10.456 -20.578 45.92841 -74.4 7.7 -78.8 40.0 2.13497 0.928 -79.9 67.6 43.2 24.5 24.4 4.50622 14-15 16 -10.443 -20.417 48.07252 -77.1 9.0 -78.4 39.4 2.20292 0.897 -78.8 67.7 38.0 29.8 29.7 4.81086 15-16 17 -10.572 -20.393 50.12255 -60.2 9.6 -82.5 40.7 2.33825 0.846 -90.1 67.8 36.9 33.8 30.0 4.83304 17-18 19 -10.68 -20.332 52.00380 -52.9 10.0 -84.7 41.4 2.41686 0.818 -96.1 67.9 37.2 36.8 28.3 3.55551 81-19 20 -11.055 -20.975 54.484 51.84576 -41.1 8.8 -87.0 42.7 2.40848 0.821 -100.9 67.7 43.3 36.6 20.5 5.54115 0.21 2.11.099 -20.657 4.982089 -34.1 7287.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 24.1 1.059 -20.685 4.83698 -25.8 5.6 -87.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 24.1 1.059 -20.086 48.3698 -25.8 5.6 -87.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 24.1 1.059 -20.086 43.98900 -25.5 3.8 -83.3 43.2 2.05217 0.908 -90.0 67.2 58.4 18.0 7.8 4.75092 22-22 27 -10.090 -20.978 45.45003 -19.8 3.9 -85.2 44.9 2.05217 0.908 -90.0 67.2 58.4 18.0 7.8 4.75092 22-22 27 -10.090 -20.978 45.45003 -19.8 3.9 -85.2 44.9 2.05217 0.908 -90.0 67.2 58.4 18.0 7.8 4.75092 22-22 27 -10.090 -20.978 45.45003 -19.8 3.9 -85.2 44.9 2.05217 0.908 -90.0 67.2 58.4 18.0 7.8 4.75092 22-2	TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -10.632 -20.584 2 -10.736 -20.696 3 -10.597 -20.859 4 -10.589 -20.714	RANGE 46-52141 46-00446 43-72071 44-89573	AZS/C -38.9 -48.1 -49.5 -58.6	AZN 6.3 6.7 5.1 6.5	SEC TO 17. AZSUN -84.4 -82.9 -81.2 -80.9	IMPACT 858 AZA 42.7 41.9 41.9	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334	B/A 0.900 0.908 0.966 0.936	T LO 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0	N 194 1NCD 67.6 67.5 67.3	R 1777.34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4
8 -10.892 -20.677 47.63084 -40.1 6.9 -84.9 42.7 2.25269 0.880 -95.1 67.5 47.9 28.8 17.6 4.95159 7-8 9-10.810 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.632 -20.594 2 -10.736 -20.696 3 -10.597 -20.859 4 -10.599 -20.714 5 -10.581 -20.559	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6	AZN 6.3 6.7 5.1 6.5 7.9	SEC TO 17.  AZSUN -84.4 -82.9 -81.2 -80.9 -80.6	IMPACT 858 AZA 42.7 41.9 41.9 41.2 40.6	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153	B/A 0.900 0.908 0.966 0.936	T LO 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -84.6	N 194 1NCD 67.6 67.5 67.3 67.5	R 1777.34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.9	PTH AZ -64.551 114.858 SCALE PT-PT 0. 0 1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5
9 -10.891 -20.832	TRAJECTURY DATA PHOTO DATA PT LAT LON 1 -10.632 -20.584 2 -10.736 -20.696 3 -10.597 -20.659 4 -10.581 -20.559 6 -10.732 -20.535	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0	AZN 6.3 6.7 5.1 6.5 7.9 8.2	SEC TO 17. AZSUN -84.4 -82.9 -81.2 -80.9 -80.6 -82.7	IMPACT 858 AZA 42.7 41.9 41.9 41.2 40.6 41.3	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979	B/A 0.900 0.908 0.966 0.936 0.905 0.878	T L0 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -84.6 -90.0	N 194 INCD 67.6 67.5 67.3 67.5 67.6	R 1777.34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.9 24.5	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6
10 -10.740 -20.846	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.632 -20.594 2 -10.736 -20.696 3 -10.597 -20.659 4 -10.589 -20.714 5 -10.581 -20.559 6 -10.732 -20.537 7 -10.894 -20.511	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 49.51427	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0	AZN 6.3 6.7 5.1 6.5 7.9 8.2 8.4	SEC TO 17. AZSUN -84.4 -82.9 -81.2 -80.9 -80.6 -82.7 -84.8	IMPACT 858 AZA 42.7 41.9 41.9 41.2 40.6 41.3 42.0	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194	B/A 0.900 0.908 0.966 0.936 0.936 0.936	T LO 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -84.6 -90.0 -95.5	N 194 INCD 67.6 67.5 67.5 67.6 67.7	R 1777.34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.9 24.5 23.0	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8
12 -10.490 -21.004	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.632 -20.596 2 -10.736 -20.696 3 -10.597 -20.696 4 -10.589 -20.714 5 -10.581 -20.559 6 -10.732 -20.535 7 -10.894 -20.511 8 -10.892 -20.677 9 -10.891 -20.87	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 49.51427 47.63084	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 +31.0	AZN 6.3 6.7 5.1 6.5 7.9 8.2 8.4	SEC TO 17. AZSUN -84.4 -82.9 -81.2 -80.9 -80.6 -82.7 -84.8	IMPACT 858 AZA 42.7 41.9 41.9 41.2 40.6 41.3 42.0 42.7	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.25269	B/A 0.900 0.908 0.936 0.936 0.936 0.936 0.905 0.850 0.880	T LO 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -84.6 -90.0 -95.5 -95.1 -94.6	N 194 1NCD 67.6 67.5 67.3 67.5 67.6 67.7 67.7	R 1777-34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.8	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.9 24.5 23.0	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.9490 8-9 4.62490 8-9
13 -10.479 -20.870	TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.632 -20.584  2 -10.736 -20.696  3 -10.557 -20.659  4 -10.581 -20.559  6 -10.732 -20.535  7 -10.894 -20.511  8 -10.892 -20.677  9 -10.891 -20.836  10 -10.740 -20.846	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 47.63084 46.29608 44.76134	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 -31.0	AZN 6.3 6.7 5.1 6.5 7.9 8.2 8.4 6.9	SEC TO 17.  AZSUN -84.4 -82.9 -81.2 -80.9 -80.6 -82.7 -84.8 -84.9 -85.1	IMPACT 858 AZA 42.7 41.9 41.9 41.2 40.6 41.3 42.0 42.7 43.3 42.6	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.25269 2.17843 2.11729	B/A 0.900 0.908 0.906 0.905 0.878 0.850 0.8850 0.881 0.938	T L0 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -84.6 -90.0 -95.5 -95.1 -94.6	N 194 67.6 67.5 67.5 67.5 67.7 67.7 67.7	R 1777-34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.8 53.2 25.5	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.5 23.0 17.6 17.6 13.3	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10
14 -10.468 -20.728	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 - 10.632 - 20.594 2 - 10.736 - 20.696 3 - 10.597 - 20.859 4 - 10.589 - 20.714 5 - 10.581 - 20.559 6 - 10.732 - 20.535 7 - 10.894 - 20.511 8 - 10.892 - 20.677 9 - 10.891 - 20.832 10 - 10.740 - 20.846 11 - 10.597 - 20.859	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 49.51427 47.63084 46.29608 44.76134 43.72071	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 +31.0 -38.5	AZN 6.3 5.1 6.5 7.9 8.2 8.4 6.9 5.2	SEC TO 17. AZSUN -84.4 -82.9 -80.9 -80.6 -82.7 -84.8 -84.9 -85.1 -83.1	IMPACT 858  AZA 42.7 41.9 41.2 40.6 42.7 43.3 42.0 42.7 43.3	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.25269 2.17843 2.11729 2.05908	B/A 0.900 0.908 0.966 0.936 0.936 0.850 0.850 0.918 0.938 0.918	T L0 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -94.6 -90.0 -95.5 -95.1 -94.6 -90.0 -85.4	N 194 1NCD 67.6 67.5 67.5 67.6 67.7 67.7 67.4 67.4	PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.8 53.2 25.5 53.0 20.9	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.9 24.5 23.0 17.6 12.1 13.3 13.7	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11
15 - 10.456 - 20.578	TRAJECTURY DATA  PHOTO DATA  PT LAY LON 1 -10.632 -20.594 2 -10.736 -20.696 3 -10.597 -20.659 4 -10.581 -20.559 6 -10.732 -20.551 8 -10.694 -20.511 8 -10.692 -20.677 9 -10.891 -20.832 10 -10.740 -20.832 10 -10.740 -20.846 11 -10.597 -20.859 12 -10.490 -21.004	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 47.63084 40.29608 44.76134 43.72071 42.48388	AZS/C -38.9 -48.1 -49.5 -58.6 -55.0 -47.3 -40.1 -38.5 -49.5	AZN 6.3 6.7 5.1 6.5 7.9 8.4 6.9 5.4 5.2 3.5	SEC TO 17.  AZSUN -84.4 -82.9 -81.2 -80.9 -80.6 -82.7 -84.8 -84.9 -85.1 -83.1 -81.2 -79.9	IMPACT 8>8  AZA 42.7 41.9 41.9 41.9 40.6 41.3 42.0 42.7 43.3 42.6 41.9	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.25269 2.17843 2.11729 2.05908	LAI 2 -10.3 8/A 0.908 0.966 0.936 0.936 0.878 0.850 0.850 0.880 0.911 0.936 0.966 0.966	AZPHAZ -93.5 -90.0 -85.4 -85.0 -84.6 -90.0 -95.5 -95.1 -94.6 -90.0 -85.4 -85.4	N 194 1NCD 67.6 67.3 67.5 67.6 67.7 67.7 67.4 67.4 67.3 67.2	R 1777-34 PHAZ EMIS 43-4 26-1 47-6 24-7 53-2 16-8 47-9 21-3 42-5 26-2 42-5 32-6 47-9 28-8 53-2 25-5 53-0 20-5 53-2 16-8 58-9 9-7	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.9 24.5 23.0 17.6 12.1 13.3 13.7	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12
16 - 10.443 - 20.417	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 - 10.632 - 20.584 2 - 10.736 - 20.696 3 - 10.597 - 20.696 4 - 10.589 - 20.714 5 - 10.581 - 20.535 7 - 10.894 - 20.511 8 - 10.892 - 20.677 9 - 10.891 - 20.832 10 - 10.740 - 20.832 11 - 10.597 - 20.859 12 - 10.490 - 21.004	RANGE 46.52141 46.00446 43.72071 44.89573 46.51440 47.77397 49.51427 47.63084 46.29868 44.76134 43.72071 42.48388 43.18095	AZS/C -38.9 -48.1 -49.5 -64.6 -55.0 -40.1 -31.0 -38.5 -49.5 -50.3	AZN 6.3 6.7 5.1 6.5 7.9 8.4 6.9 5.4 5.2 5.1 3.9	AZSUN -84.4 -82.9 -81.2 -80.9 -84.8 -84.9 -85.1 -81.2 -79.9 -79.9	IMPACT 8>8  AZA 42.7 41.9 41.9 41.2 40.6 41.3 42.0 42.7 43.3 42.6 41.9 42.0 41.9	ALT 41.89232 A* 2.20612 2.18633 2.12334 2.19153 2.25979 2.33194 2.25269 2.17843 2.11729 2.05908 1.91714	B/A 0.900 0.908 0.966 0.936 0.905 0.870 0.850 0.850 0.911 0.938 0.966 0.981	T L0 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -90.0 -95.5 -95.1 -94.6 -90.0 -85.4 -85.4	N 194 1NCD 67.5 67.5 67.5 67.7 67.7 67.4 67.4 67.4 67.3	R 1777.34 PHAZ EHIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.5 53.0 20.5 53.0 20.5 53.2 16.8 53.7 14.2	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.9 24.5 23.0 17.6 12.1 13.3 13.7 8.2	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12 3.98702 12-13
17 -10.572 -20.393	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.632 -20.596 2 -10.736 -20.696 3 -10.597 -20.659 4 -10.581 -20.519 5 -10.581 -20.519 6 -10.732 -20.537 7 -10.894 -20.511 8 -10.892 -20.677 9 -10.891 -20.832 10 -10.740 -20.846 11 -10.597 -20.859 12 -10.490 -21.004 13 -10.479 -20.879 14 -10.468 -20.728	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 49.51427 47.63084 46.29608 44.76134 43.72071 42.48388 43.18095 44.31297	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 -31.0 -38.5 -50.0 -63.3 -70.2	AZN 6.3 6.7 5.1 6.9 8.4 6.9 5.2 5.1 3.5 4.3	SEC TO 17. AZSUN -84.4 -82.9 -81.2 -80.9 -82.7 -84.8 -84.9 -85.1 -83.1 -83.1 -79.6 -79.6	IMPACT 858 AZA 42.7 41.9 41.9 41.2 40.6 41.3 42.7 43.3 42.0 41.9 42.0 41.9	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.27843 2.17843 2.17729 2.05908 1.91714 2.01059	B/A 0.900 0.908 0.966 0.936 0.905 0.878 0.850 0.881 0.911 0.938 0.966 0.981 0.989 0.989	T L0 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -90.0 -95.5 -95.1 -94.6 -90.0 -85.4 -82.1 -81.5 -80.7	N 194 1NCD 67.6 67.5 67.5 67.6 67.7 67.7 67.4 67.4 67.4 67.4	PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.8 53.0 20.5 53.0 20.5 53.7 14.2 48.4 19.3	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.9 24.5 23.0 17.6 12.1 13.3 13.7 8.2 13.5	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12 3.98702 12-13 4.23312 13-14
18 - 10.729         -20.363         50.12265         -60.2         9.6         -82.5         40.7         2.33825         0.846         -90.1         67.8         32.9         33.8         30.0         4.83304         17-18           10 - 11.075         -20.297         54.50441         -46.8         10.3         -88.7         42.1         2.50057         0.790         -102.0         67.9         33.2         36.8         28.3         5.15535         18-19           21 - 11.066         -20.484         51.84576         -41.1         8.8         -87.0         42.7         2.40848         0.812         -100.9         67.7         43.3         36.6         20.5         5.54115         20-21         2.2011         -1059         -20.657         49.82089         -34.1         7.2         -87.0         44.0         2.42285         0.852         -100.0         67.7         43.3         36.6         20.5         5.54115         20-21         22.4286         0.882         -90.2         67.4         53.8         30.4         10.2         4.79301         22-22         24.2086         0.882         -90.2         67.4         53.8         30.4         10.2         4.79301         22-22         22.24286         0.882	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 - 10.632 - 20.584 2 - 10.736 - 20.696 3 - 10.597 - 20.619 4 - 10.589 - 20.714 5 - 10.581 - 20.559 7 - 10.894 - 20.511 8 - 10.892 - 20.617 9 - 10.891 - 20.832 10 - 10.740 - 20.846 11 - 10.597 - 20.859 12 - 10.490 - 21.004 13 - 10.479 - 20.870 14 - 10.468 - 20.728 15 - 10.456 - 20.578	RANGE 46.52141 46.00446 43.72071 44.89573 46.51440 47.77397 49.51427 47.6308 44.76134 43.72071 42.48388 43.18095 44.31297 45.92841	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 -31.0 -38.5 -49.5 -50.0 -63.3 -70.2	AZN 6.3 6.7 5.1 6.5 7.9 8.4 6.9 5.4 5.1 3.5 4.9 6.7	SEC TO 17. AZSUN -84.4 -82.9 -80.9 -80.6 -84.8 -84.9 -85.1 -83.1 -81.9 -79.6 -79.2	IMPACT 8>8 AZA 42-7 41-9 41-2 40-3 42-0 42-7 43-3 42-6 41-3 40-0	ALT 41.89232 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.25269 2.17843 2.11729 2.05908 1.91714 2.01059 2.07101 2.13497	B/A 0.900 0.906 0.936 0.936 0.905 0.878 0.850 0.911 0.988 0.966 0.966 0.989 0.989	T L0 3555 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -95.5 -95.1 -94.6 -90.0 -85.4 -90.0 -85.4 -90.0 -85.4 -97.7 -97.7	N 194 1NCD 67.6 67.5 67.5 67.6 67.7 67.5 67.4 67.4 67.3 67.4 67.3	R 1777.34 PHAZ EHIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 32.6 47.9 28.5 53.2 25.5 53.0 20.9 53.2 16.8 58.9 9.7 53.7 14.4 48.4 19.3 48.4 19.3 48.4 19.3	V 8 2.589 ALPHA 23.7 18.9 13.7 19.3 24.5 23.0 17.6 12.1 13.3 13.7 8.2 13.5 19.0	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12 3.98702 12-13 4.23312 13-14 4.50822 14-15
19 -10.896 -20.332 52.00380 -52.9 10.0 -84.7 41.4 2.41.66 0.818 -96.1 67.9 37.2 36.8 28.3 5.15535 18-19 20 -11.075 -20.297 54.50441 -66.8 10.3 -86.9 42.1 2.50057 0.790 -102.0 67.9 38.2 40.3 25.4 5.51764 19-20 21 -11.066 -20.484 51.84576 -41.1 8.8 -87.0 42.7 2.40848 0.821 -100.9 67.7 43.3 36.6 20.5 5.54115 20-21 21.10.059 -20.657 49.82089 -34.1 7.2 -87.0 43.4 2.32285 0.852 -100.9 67.7 43.3 36.6 20.5 5.54115 20-21 23 -11.095 -20.618 48.36698 -25.8 5.6 -87.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 24 -11.045 -20.968 47.42059 -16.2 4.0 -87.0 44.6 2.16784 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 25 -10.980 -20.978 45.56063 -19.8 3.9 -85.2 43.9 2.10858 0.940 -94.3 67.2 58.5 23.1 6.8 4.71066 24-25 26 -10.743 -20.988 43.98920 -25.5 3.8 -83.3 43.2 2.05217 0.968 -90.0 67.2 58.4 18.0 7.8 4.5059 25-26 27 -10.604 -20.996 42.9974 -35.1 3.6 -81.5 42.5 1.99832 0.995 -85.8 67.2 58.5 13.2 8.3 4.2074 26-27	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.632 -20.594 2 -10.736 -20.696 3 -10.597 -20.696 3 -10.599 -20.714 5 -10.581 -20.559 6 -10.732 -20.539 7 -10.894 -20.511 8 -10.891 -20.832 10 -10.740 -20.832 11 -10.597 -20.859 12 -10.490 -21.004 13 -10.497 -20.870 14 -10.468 -20.728 15 -10.456 -20.578	RANGE 46.52141 46.00446 43.72071 46.89573 46.57440 47.77397 49.51427 47.63084 46.29608 44.76134 43.72071 42.48388 43.18095 44.31297 45.92841 48.07252	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 -31.0 -38.5 -50.0 -63.0 -63.0 -70.2 -74.1	AZN 6.3 6.7 5.1 5.5 7.9 8.2 8.4 5.2 5.1 4.9 6.3 7.7	SEC TO 17.  AZSUN -84.4 -82.9 -81.2 -80.9 -80.6 -82.7 -84.8 -84.9 -85.1 -81.2 -79.9 -79.6 -79.2 -78.8	IMPACT 8>8 AZA 42.7 41.9 41.2 40.6 42.7 43.6 42.7 43.6 41.9 42.3 40.6 40.0	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.27843 2.17843 2.17843 2.17843 2.17843 2.17843 2.17843 2.17843 2.17843 2.17843 2.17843 2.17843 2.17843 2.17843 2.1791714 2.01059 2.077101 2.13497 2.20292	LA1 8/A 0.900 0.908 0.936 0.936 0.936 0.878 0.850 0.911 0.938 0.961 0.989 0.989	T LO 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -90.0 -95.5 -95.1 -94.6 -90.0 -85.4 -82.1 -81.5 -80.7 -7.7	N 194 1NCD 67.6 67.5 67.6 67.7 67.7 67.4 67.4 67.3 67.4 67.4 67.4 67.4	R 1777-34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.8 53.2 25.3 53.2 26.8 53.2 25.7 53.7 14.2 48.4 19.3 48.4 19.3 48.2 24.5 38.0 29.8	V 8 2.589  ALPHA 23.7 18.9 13.7 19.3 24.5 23.0 17.6 12.1 13.3 13.7 8.2 13.5 19.0 24.4 29.7	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.62018 9-10 4.34079 10-11 5.34262 11-12 3.98702 12-13 4.23312 13-14 4.50022 14-15 4.81086 15-16
20 -11.075 -20.297 54.50441 -46.8 10.3 -86.9 42.1 2.50057 0.790 -102.0 67.9 38.2 40.3 25.4 5.51764 19-20 21 -11.086 -20.484 51.84576 -41.1 8.8 -87.0 42.7 2.40848 0.821 -100.9 67.7 43.3 36.6 20.5 5.54115 20-21 22 -11.059 -20.657 49.82089 -34.1 7.2 -87.0 43.4 2.32285 0.852 -100.0 67.6 48.6 33.2 15.4 5.14389 21-22 23 -11.052 -20.818 48.36698 -25.8 5.6 -87.0 44.0 2.24286 0.882 -99.2 67.4 53.8 30.4 10.2 4.79301 22-23 24 -11.054 -20.968 47.42059 -16.2 4087.0 44.6 2.1648 0.912 -98.5 67.3 59.0 28.3 5.1 4.88105 23-24 25 -10.890 -20.978 45.45063 -19.8 3.9 -85.2 43.9 2.10858 0.940 -94.3 67.2 58.5 23.1 6.8 4.71966 24-25 26 -10.743 -20.998 43.98920 -25.5 3.8 -83.3 43.2 2.05217 0.968 -90.0 67.2 58.5 23.1 6.8 4.71966 24-25 27 -10.604 -20.996 42.99774 -35.1 3.6 -81.5 42.5 1.99832 0.995 -85.8 67.2 58.5 13.2 8.3 4.20734 26-27	TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.632 -20.584 2 -10.736 -20.696 3 -10.597 -20.859 4 -10.589 -20.714 5 -10.581 -20.555 7 -10.894 -20.517 8 -10.894 -20.517 9 -10.894 -20.517 9 -10.891 -20.832 10 -10.740 -20.846 11 -10.597 -20.859 12 -10.490 -21.004 13 -10.479 -20.870 14 -10.468 -20.728 15 -10.456 -20.728 16 -10.443 -20.417 17 -10.572 -20.393	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 49.51427 47.63084 40.29608 44.76134 43.72071 42.46388 43.18095 44.31297 45.92841 48.07252 48.80533	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 -38.5 -50.0 -63.3 -70.2 -74.4 -77.1	AZN 6.3 6.5 7.9 8.4 6.9 5.4 6.9 5.1 3.5 4.3 7.7 9.3	SEC TO 17.  AZSUN -84.4 -82.9 -81.2 -80.9 -80.6 -82.7 -84.8 -84.9 -85.1 -81.2 -79.9 -79.6 -79.2 -78.8	IMPACT 858 AZA7 41.9 41.9 41.2 41.3 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0	ALT 41.89232 2.20612 2.18633 2.05908 2.12334 2.25979 2.33194 2.25269 2.17843 2.11729 2.05908 1.91714 2.01059 2.07101 2.13497 2.20292 2.20292	B/A 0.900 0.906 0.936 0.936 0.936 0.850 0.850 0.938 0.938 0.959 0.989 0.989 0.989	I LO 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -90.0 -95.5 -90.0 -85.4 -80.6 -90.0 -85.4 -82.1 -90.6 -80.4 -82.1 -90.8 -80	N 194 1NCD 67.65 67.53 67.56 67.77 67.56 67.46 67.46 67.46 67.46 67.67	R 1777.34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 29.1 42.5 32.6 47.9 28.8 53.2 25.5 53.0 20.5 53.2 16.8 53.7 14.2 48.4 19.3 38.0 29.8 38.0 29.8 38.0 29.8	V 8 2.589  ALPHA 23.7 18.9 13.7 19.3 24.5 23.0 17.6 12.1 13.3 13.7 8.2 13.5 19.0 24.4 29.7 30.4	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12 3.98702 12-13 4.23312 13-14 4.500622 14-15 4.81086 15-16 3.96876 16-17
22 -11.059 -20.657	PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.632 -20.594 2 -10.736 -20.696 3 -10.597 -20.859 4 -10.589 -20.714 5 -10.581 -20.555 7 -10.894 -20.517 8 -10.892 -20.677 9 -10.891 -20.832 10 -10.740 -20.864 11 -10.597 -20.859 12 -10.490 -21.004 13 -10.479 -20.870 14 -10.468 -20.728 15 -10.456 -20.728 16 -10.443 -20.417 17 -10.572 -20.393 18 -10.729 -20.393 18 -10.729 -20.332	RANGE 46.52141 46.00446 43.72071 49.8573 46.57440 71.77397 49.51427 71.63084 40.29608 44.76134 43.72071 42.48388 43.18095 44.31297 45.92841 48.07252 48.80533 50.12265 52.00380	AZS/C -38.9 -48.5 -58.6 -64.6 -55.0 -47.3 -40.1 -31.5 -49.5 -50.0 -63.3 -70.2 -74.4 -77.1 -68.8	AZN 6.3 6.5 7.9 8.4 6.9 5.4 5.1 3.5 4.9 7.7 9.0 9.3	SEC TO 17.  AZSUN -84.4 -82.9 -81.2 -80.9 -81.2 -80.6 -82.7 -85.1 -81.2 -79.6 -79.2 -78.8 -78.4 -80.3	IMPACT 8>8 AZA 42.7 41.9 41.2 40.6 41.3 42.7 43.3 42.6 41.3 40.6 41.3 40.6 41.3 40.6 41.3 40.6 40.6 40.7	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.25269 2.17843 2.11729 2.05908 1.91714 2.01059 2.07101 2.13497 2.20292 2.26414 2.33825	8/A 0.900 0.908 0.966 0.905 0.878 0.850 0.879 0.899 0.991 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.981 0.983 0.984 0.984	AZPHAZ -93.5 -90.0 -85.4 -85.0 -90.0 -95.5 -99.1 -94.6 -90.0 -85.4 -82.1 -81.5 -80.7 -79.9 -84.0 -90.0 -85.4	N 194 1NCD 67.6 67.5 67.5 67.7 67.6 67.6 67.4 67.4 67.4 67.4 67.4	R 1777-34 PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.8 53.2 25.5 53.0 20.5 53.7 14.2 43.2 24.5 38.0 29.8 37.2 31.3 36.9 33.8	V 8 2.589  AL PHA 23.7 18.9 13.7 19.3 24.5 23.0 17.6 12.1 13.3 13.7 8.2 13.5 19.0 24.4 29.7 30.6 430.0	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12 3.98702 12-13 4.23312 13-14 4.50622 14-15 4.81086 15-16 3.96876 16-17 4.83304 17-18 5.15535 18-19
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24 -11.045 -20.968	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 - 10.632 - 20.594 2 - 10.736 - 20.696 3 - 10.597 - 20.659 4 - 10.581 - 20.514 5 - 10.581 - 20.514 5 - 10.684 - 20.511 8 - 10.894 - 20.617 9 - 10.891 - 20.832 10 - 10.740 - 20.846 11 - 10.597 - 20.859 12 - 10.490 - 21.004 13 - 10.479 - 20.879 14 - 10.468 - 20.728 15 - 10.456 - 20.738 16 - 10.443 - 20.417 17 - 10.572 - 20.393 18 - 10.572 - 20.393 19 - 10.686 - 20.332 20 - 11.075 - 20.2484	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 49.51427 47.63084 46.29608 44.76134 43.72071 42.48388 43.18095 44.31297 45.92841 48.07252 48.80533 50.12265 52.00380 54.50441 51.84576	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 -31.0 -38.5 -49.5 -70.2 -74.4 -77.1 -68.8 -60.2 -52.9 -46.8	AZN 6.37 5.1 6.59 8.49 5.42 5.2 3.59 6.39 9.6 10.0 10.3	SEC TO 17.  AZSUM -84.4 -82.9 -80.9 -80.6 -82.7 -84.9 -85.1 -81.2 -79.6 -79.6 -78.4 -80.3 -81.2 -78.4 -78.4	IMPACT 8>8 AZA 42.7 41.9 41.2 40.6 41.3 42.0 42.3 42.6 42.6 40.6 40.0 41.3 42.6 40.6 40.0 41.6 40.0 41.6 40.0 41.6 40.0 41.6 40.0 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.317843 2.11729 2.05908 1.91714 2.01059 2.07101 2.13497 2.20292 2.26414 2.33825 2.41686 2.50057 2.40848	B/A 0.900 0.908 0.966 0.936 0.850 0.850 0.850 0.938 0.946 0.938 0.966 0.989 0.959 0.928 0.946 0.989 0.959 0.959 0.874 0.874 0.874 0.874 0.874 0.874 0.874 0.874 0.874	I LO 355 -21. AZPHAZ -93.5 -90.0 -85.4 -85.0 -90.0 -95.1 -94.6 -90.0 -85.4 -82.1 -84.5 -80.7 -79.9 -79.9 -79.9 -79.9 -79.9 -79.9 -79.9 -79.9 -79.9 -79.1 -90.1 -90.1 -90.1 -90.1 -100.9 -100.9	N 194 107.5667.5367.5667.7567.67.67.67.67.67.67.67.67.67.667.6	R 1777.34  PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.8 53.0 20.9 53.7 14.2 53.0 29.8 38.0 29.8 37.2 31.3 36.4 38.0 29.8	8 2 - 5 8 9  AL PHA 23 - 7 18 - 9 13 - 7 19 - 3 24 - 5 23 - 0 17 - 6 12 - 1 13 - 3 13 - 7 8 - 2 13 - 5 19 - 0 24 - 4 29 - 7 30 - 0 28 - 3 25 - 4 20 - 5	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12 3.98702 12-13 4.23312 13-14 4.50622 14-15 4.81086 15-16 3.96876 16-17 4.83304 17-18 5.15535 18-19 5.51764 19-20 5.54115 20-21
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26 -10.743 -20.988	TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 - 10.632 - 20.594 2 - 10.736 - 20.696 3 - 10.597 - 20.696 3 - 10.599 - 20.714 5 - 10.581 - 20.559 6 - 10.732 - 20.539 7 - 10.894 - 20.511 8 - 10.891 - 20.832 10 - 10.740 - 20.846 11 - 10.597 - 20.859 12 - 10.490 - 21.004 13 - 10.497 - 20.870 14 - 10.468 - 20.728 15 - 10.456 - 20.738 16 - 10.443 - 20.417 17 - 10.572 - 20.393 18 - 10.729 - 20.363 19 - 10.896 - 20.332 20 - 11.075 - 20.297 21 - 11.066 - 20.884 22 - 11.059 - 20.688	RANGE 46.52141 46.00446 43.72071 46.89573 46.57440 47.77397 49.51427 47.63084 46.29608 44.70134 48.07252 48.80533 50.12265 52.00380 54.50441 51.84576 49.82089 48.36698	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 -31.0 -63.3 -70.2 -74.4 -77.1 -68.8 -68.8 -64.6 -72.1 -44.5 -72.1 -44.1 -74.1 -74.1	AZN 6.3 6.7 5.5 7.9 8.4 6.9 5.2 5.15 4.9 7.0 9.6 10.0 10.8 7.2	SEC IO 17. AZSUM -84.4 -82.9 -80.6 -82.7 -84.9 -85.1 -81.2 -79.6 -82.7 -84.8 -82.7 -86.9 -87.0 -87.0 -87.0 -87.0 -87.0 -87.0	IMPACT 8>8 AZA7 41.9 41.2 40.6 42.0 42.0 42.0 42.0 42.0 42.0 41.0 42.0 41.0 40.0 41.0 41.0 41.0 41.0 41.0 41	ALT 41.89232 A* 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.25269 2.17843 2.11729 2.07101 2.01059 2.07101 2.13497 2.20292 2.26414 2.33825 2.41686 2.50057 2.40848 2.32285 2.32285	B/A 0.900 0.908 0.936 0.936 0.850 0.850 0.850 0.850 0.938 0.938 0.946 0.938 0.959 0.959 0.987 0.987 0.874 0.884 0.848 0.	I LO 3555 -21. AZPHAZ -93.5 -90.0 -85.6 -90.0 -84.6 -90.0 -95.5 -1 -94.6 -90.0 -85.4 -82.1 -81.5 -80.7 -79.9 -78.8 -84.0 -90.1 -90.1 -100.9 -100.0 -99.2	N 194 167.53 67.53 67.67.77 667.44 667.33 67.67 67.88 67.97 667.67 67.88 67.97 67.67	R 1777.34  PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 26.2 42.2 29.1 42.5 32.6 47.9 28.8 53.0 20.5 53.0 16.8 53.7 14.2 43.3 24.5 38.0 29.8 37.2 31.2 38.2 40.3 37.2 33.6 48.6 33.3 48.6 33.3 53.8 30.4	8 2.589  ALPHA 23.7 18.9 13.7 19.3 24.9 24.5 23.0 17.6 12.1 13.3 13.7 8.2 13.5 19.0 24.4 29.7 30.4 30.6 25.4 29.7 30.4 13.5 15.5 15.5 15.5 15.5 15.5	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-10 4.34079 10-11 5.38262 11-12 3.98702 12-13 4.23312 13-14 4.50022 14-15 4.81086 15-16 3.96876 16-17 4.83304 17-18 5.15535 18-19 5.551764 19-20 5.55115 20-21 5.14389. 21-22 4.79301 22-23
27 -10.604 -20.996 42.99774 -35.1 3.6 -81.5 42.5 1.99832 0.995 -85.8 67.2 58.5 13.2 8.3 4.20734 26-27	TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.632 -20.594 2 -10.736 -20.696 3 -10.597 -20.659 4 -10.589 -20.714 5 -10.581 -20.555 7 -10.894 -20.511 8 -10.892 -20.677 9 -10.891 -20.832 10 -10.740 -20.832 11 -10.597 -20.859 12 -10.490 -21.004 13 -10.479 -20.870 14 -10.468 -20.728 15 -10.456 -20.78 16 -10.443 -20.417 17 -10.572 -20.393 18 -10.729 -20.333 19 -10.896 -20.332 20 -11.075 -20.297 21 -11.066 -20.832 20 -11.075 -20.297 21 -11.066 -20.832 21 -10.99 -20.857 23 -11.059 -20.657	RANGE 46.52141 46.00446 43.72071 44.89573 46.57440 47.77397 49.51427 47.6308 44.76134 43.72071 42.48388 43.18095 44.31297 45.92841 48.07252 48.80533 50.12265 52.00380 54.50441 51.84576 49.82089 48.36698 48.36698 48.36698	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 -55.0 -47.3 -40.1 -31.0 -63.3 -70.2 -74.4 -77.1 -68.8 -60.2 -52.9 -46.8 -41.1 -34.1	AZN 6.3 6.7 6.5 7.9 8.4 6.4 5.2 13.5 4.3 7.7 9.3 7.7 9.3 10.3 8.2 6.6	SEC TO 17.  AZSUN -84-9 -81-2 -80-9 -80-9 -82-7 -84-8 -84-9 -85-1 -81-2 -79-6 -79-2 -78-4 -82-5 -84-9 -87-0	IMPACT 8>8 AZA7 41-9 41-9 41-2 40-3 42-7 43-3 42-7 43-3 40-6 94-6 40-7 41-1 42-7 42-7 42-7 44-6	ALT 41.89232 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.35194 2.25269 2.17843 2.11729 2.05908 1.91714 2.01059 2.07101 2.13497 2.22692 2.41686 2.40848 2.42286 2.42286 2.42286 2.42286 2.42286 2.42286 2.42286 2.42286	LA1: -10-: 8/A 0-900 0-908 0-966 0-936 0-878 0-850 0-916 0-981 0-989 0-989 0-989 0-989 0-989 0-989 0-897 0-874 0-886 0-886 0-887	LO 3555 -21. AZPHAZ -93.5 -90.0 -85.6 -90.0 -95.5 -90.0 -95.5 -90.0 -95.4 -82.1 -81.5 -80.7 -79.9 -78.8 -84.0 -90.1 -90.2 -90.5 -90.5 -90.5 -90.1 -90.2 -90.5 -90.	N 194 LOT. 667. 367. 667. 7. 667. 367. 667. 7. 667. 367. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 7. 667. 677. 667. 677. 667. 677. 667. 677. 667. 677. 667. 677. 667. 677. 667. 677. 6	R 1777.34 PHAZ EHIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 32.6 42.5 32.6 47.9 28.5 53.0 20.5 53.2 25.5 53.0 20.5 53.2 16.8 53.2 25.5 38.0 29.8 38.2 40.3 36.9 33.8 37.2 31.3 36.9 33.8 37.2 36.8 38.2 40.3 43.3 36.6 43.3 36.6 43.3 36.6 53.8 30.4 53.8 30.4 53.8 30.4	8 2.589  ALPHA 23.7 18.9 13.7 19.3 24.5 23.0 17.6 12.1 13.3 13.7 8.2 29.7 30.4 29.7 30.4 29.7 30.6 28.3 31 25.4 5.1 15.4	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33089 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12 5.38262 11-12 5.38262 11-12 5.38267 16-17 4.81086 15-16 3.96876 16-17 4.83304 17-18 5.15535 18-19 5.51764 19-20 5.54115 20-21 4.79301 22-22 4.79301 22-22 4.79301 22-22
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	TRAJECTURY DATA  PHOTO DATA  PT LAT LON  1 -10.632 -20.584 2 -10.736 -20.696 3 -10.597 -20.619 4 -10.589 -20.714 5 -10.581 -20.559 7 -10.894 -20.511 8 -10.892 -20.617 9 -10.891 -20.832 10 -10.740 -20.846 11 -10.597 -20.859 12 -10.490 -21.004 13 -10.479 -20.870 14 -10.468 -20.728 15 -10.456 -20.78 16 -10.443 -20.417 17 -10.572 -20.393 18 -10.729 -20.393 18 -10.729 -20.393 19 -10.896 -20.322 20 -11.075 -20.297 21 -11.065 -20.484 22 -11.055 -20.898 25 -10.890 -20.968 25 -10.890 -20.968 25 -10.890 -20.968	RANGE 46.52141 46.00446 43.72071 44.89573 46.51440 47.77397 49.51427 47.6308 44.76134 43.72071 42.48388 43.18095 44.31297 45.92841 48.07252 48.80533 50.12265 52.00380 54.50441 51.84576 49.82089 48.36698 48.36698 48.36698 48.36698 48.36698 48.36698 48.3698	AZS/C -38.9 -48.1 -49.5 -58.6 -64.6 +55.0 -47.3 -40.1 -31.0 -63.3 -70.2 -74.4 -77.1 -68.8 -60.2 -64.8 -41.1 -25.8 -11.2	AZN 6.3 6.7 1 6.5 5 7.9 8.2 8.4 4 6 5.2 1 3.5 5 4 7 7.9 6.3 7 9.3 9 7.4 6 7 7.9 6 7 7 9 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	SEC TO 17.  AZSUN -84-4 -82-9 -80-6 -82-7 -84-8 -85-1 -83-1 -81-2 -79-6 -78-8 -82-5 -83-8 -82-5 -83-8 -85-2 -83-8 -85-2 -83-8 -85-2 -83-8 -85-2 -83-8 -83-2 -83-8 -83-2 -83-8 -83-2 -83-8 -83-2 -83-8 -83-2 -83-8 -83-2 -83-8 -83-2	IMPACT 8>8 AZA7 41.9 41.9 41.2 42.7 43.3 42.6 41.3 42.0 41.3 42.0 41.3 40.0 40.0 40.7 44.0 40.7 44.0 40.7 44.0 40.7 44.0 40.7 44.0 40.7 40.0 40.7 40.0 40.0	ALT 41.89232 2.20612 2.18633 2.05908 2.12334 2.19153 2.25979 2.33194 2.25269 2.17843 2.11729 2.05908 1.91714 2.01059 2.07101 2.13497 2.26414 2.33825 2.41686 2.50057 2.40848 2.32285 2.16784 2.16784 2.16784 2.16784 2.16784 2.16784 2.16784 2.16788	LAN 8	I LO 3555 -21. AZPHAZ -93.55 -90.0 -84.6 -90.0 -85.4 -85.6 -90.0 -85.4 -82.1 -81.5 -80.7 -79.9 -78.8 -84.0 -90.1 -90.1 -90.1 -90.2 -100.0 -90.2 -100.0 -90.2 -90.5 -94.3 -90.0 -90.3 -90.5 -94.3 -90.0 -90.3 -90.5 -94.3 -90.0	N 1 94 D 67.6667.75667.75667.75667.75667.75667.75667.766	R 1777.34  PHAZ EMIS 43.4 26.1 47.6 24.7 53.2 16.8 47.9 21.3 42.5 32.6 42.5 32.6 42.5 32.6 53.2 25.5 53.0 20.5 53.2 16.8 47.9 38.8 53.7 14.2 48.4 19.3 36.9 33.8 36.4 33.3 36.4 33.3 36.6 53.8 30.4 53.8 30.4 53.8 30.5 58.5 23.1	8 2.589  ALPHA 23.7 18.9 13.7 19.3 24.5 23.0 17.6 12.1 13.3 13.7 8.2 29.7 30.0 24.4 29.5 15.4 29.5 15.4 50.6 8 7.8	PTH AZ -64.551 114.858  SCALE PT-PT 0. 0-1 4.58836 1-2 6.43707 2-3 4.33989 3-4 4.62722 4-5 4.65090 5-6 4.94924 6-7 4.95159 7-8 4.62490 8-9 4.60018 9-10 4.34079 10-11 5.38262 11-12 3.98702 12-13 4.23312 13-14 4.50622 14-15 4.81008 15-16 3.96876 16-17 4.83304 17-18 5.15535 18-19 5.51744 19-20 5.54115 20-21 5.14389 21-22 4.77301 22-23 4.48105 23-24 4.71946 24-25 4.45059 22-26 4.45059 25-26 4.207334 26-27

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JULY 31,1964 13 HR	25 MIN 36	SEC 61	l MS		TAB NO	197	ATL	AS PHOT	0 NO	197		POD	SEQUENCE NO	400
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LA	т ,	.ON		R	٧	PTH A	ΑZ
PHOTO DATA				12.	-738	29.9097	9 -10.	432 -21	1.023	17	65.36	5 2.597	-64.441_114	4.826
PT LAT LON	RANGE	AZS/C	A7N	AZSUN	AZA	A=	9/4	AZPHAZ	INCD					
1 -10.631 -20.586	33.21978	-39.1			42.5	1.57627	0.900	-93.5	67.6	43 S	54 U	ALPHA		PT-PI
2 -10.706 -20.664				-82.9		1.56222	0.908	-90.0	67.5	47.6	24.7	18.9	0. 3.26549	
3 -10.607 -20.781			5.1	-81.2	41.8	1.47114	0.965	-85.4	67.4	53.2	16.9	13.8	4.60060	2- 3
4 -10.601 -20.677			6.5	-80.9	41.2	1,51719	0.935	-85.0	67.5	47.9	21.4	19.3	3.10167	3- 4
5 -10.595 -20.566	33.27952		1.7	-60.0	40.1	1.00074	0.905	-84.6	67.6	42.5	26.2	24.9	3.30657	4-
6 -10.704 -20.550 7 -10.819 -20.532	34.13699	-55.1	8.2	-82.7	41.3	1.61474	0.878	-90.0	67.6	42.2	29.1	24.5	3.32333	5- 4
8 -10.818 -20.651	35.37756	-47.3	8.4	-84-8	41.9	1.66615	0.850	-95.5	67.7	42.5	32.6	23.0	3.53542 3.53788 3.30515 3.28586 3.10148 1 3.84689 1 2.84898 1 3.02511 1 3.21990 1 3.43627 1 2.83601 1 3.68185 1 3.68185 1	6- '
9 -10.817 -20.762	33.07531	-31.2	5.9	-85.0	42.5	1.60953	0.881	-95.1	67.6	47.9	28.8	17.6	3.53788	7-
10 -10.709 -20.772	31.98082	+38.7	5.2	-83.2	42.4	1.51275	0.911	-94.6	67.4	53.2	25.5	12.2	3.30515	8- '
11 -10.607 -20.781	31.23674	-49.6	5.1	-81.2	41.8	1-47114	0.965	-85.4	67.4	53.0	16.9	13.4	3 20586	9-1
12 -10.530 -20.884	30.34629	-50.2	3.6	-79.9	42.0	1.36993	0.982	-82.1	67.3	58.9	9.8	8.3	3 84480 1	10-1
13 -10.523 -20.789	30.84891	-63.2	5.0	-79.6	41.2	1.43638	0.989	-81.5	67.4	53.7	14.3	13.6	2.84898 1	12-1
14 -10.515 -20.688	31.66063	-70.1	6.3	-79.2	40.7	1.47968	0.959	-80.7	67.5	48.4	19.3	19.0	3.02511	13-1
15 -10.506 -20.580	32.81558	-74.2	7.7	-78.8	40.1	1.52542	0.928	-79.9	67.6	43.2	24.5	24.4	3.21990	14-1
16 -10.497 -20.465 17 -10.589 -20.448	34.34535	-77.0	9.1	-78.4	39.6	1,57387	0.898	-78.8	67.7	38.0	29.7	29.7	3.43627 1	15-1
18 -10.701 -20.427	34.8/11/	-68.7	9.3	-60.3	40.1	1.61772	0.874	-84.0	67.7	37.2	31.2	30.3	2.83601 1	16-1
19 -10.820 -20.404	37 15230	-60.2	9.6	-82.5	40.8	1.67066	0.847	-90.1	67.8	36.9	33.7	29.9	3.45311 1	17-1
20 -10.948 -20.380	38.92975	-46 B	10.3	-84.7	41.4	1.72664	0.819	-96.1	67.8	37.2	36.7	28.3	3.68185 1	18-14
21 -10.942 -20.513	38.92975 37.03612 35.59050	-41.2	8.7	-87. N	47.6	1 72050	0 933	-100 0	477	63 3	3/ 5	20.		
27 -10.942 -20.513	35.59050	-34.3	7.2	-87.0	43.1	1.65937	0.853	-100.9	67.6	49.5	32 1	20.4	3.95544 2	
3 -10.932 -20.751	34.54939 33.86831 32.46615 31.42409	-26.0	5.6	-87.1	43.1	1.00211	V.661	33.2	17.5	63 4	30.3	10.3	3.67425.2	4 L-Z
4 -10.927 -20.859	33.86831	-16.5	4.0	-8/.L	44.3	1.54829	0.912	-98.5	67.4	59.0	28.2	5.2	3.20173 2	
25 -10.816 -20.866	32.46615	-20.2	3.9	-85.2	43.6	1.50620	0.940	-94.3	67.3	58.5	23.1	6.9	3.36900 2	24-2
			3.8	-83.4	/ 2 0	1 44500	849.0	-90 0	67 2	50 A	18-0	7.0	3.17864 2	25-26
0 -10./11 -20.873	31.42409	23.0	3.0			1.40599	0.,00	,010	01.5	JU • T				
21 -10.012 -20.819	30.71535	-35.4	3.7	-81.5	42.4	1.42750	0.995	-85.8	67.3	58.5	13.3	8.4	3.00561 2	26-27
21 -10.012 -20.819	30.71535 30.34629	-35.4	3.7	-81.5	42.4	1.46599 1.42750 1.36993	0.995 0.982	-85.8 -82.1	67.3	58.5 58.9	13.3	8.4 8.3	3.00561 2 2.48610 2	26-27 27-28
21 -10.012 -20.819	30. 34629_	-35.4 -50.2	3.7	-81.5 -79.9	42.4								3.17864 2 3.00561 2 2.48610 2 SEQUENCE NO	
28 -10 -530 -20.884  JULY 31,1964 13 HR  TRAJECTURY DATA	30.34629_ 25 MIN 41	-35.4 -50.2 SEC 181	3.7 3.6 . MS	-81.5 -79.9	42.4 42.0 TAB NO	198 ALT	ATL.	AS PHOTO	ON C	198	R	POD S	SEQUENCE NO	402
27 -10.512 -20.884  28 -10.530 -20.884  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA	30. 71535 30. 34629 25 MIN 41	-35.4 -50.2 SEC 181	3.7 3.6 . MS	-81.5 -79.9 SEC TO	42.4 42.0 TAB NO IMPACT	198 ALT	ATL.	AS PHOTO	ON C	198	R	POD S	SEQUENCE NO	402
28 -10.530 -20.884  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA	30.71535 30.34629 25 MIN 41	-35.4 -50.2 SEC 181	3.7 3.6 . MS	-81.5 -79.9 SEC TO 7.	TAB NO IMPACT	ALT 17.9047	ATL LA 7 -10-5	AS PHOTO  1 L 511 -20	O NO .en 850	198	R 53.36(	POD 5	PTH A	402 AZ 4. 792
28 -10.530 -20.889  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.630 -20.587	30.71535 30.34629 25 MIN 41 RANGE	-35.4 -50.2 SEC 181	3.7 3.6 MS	-81.5 -79.9 SEC TO 7.	42.4 42.0 TAB NO IMPACT 618	ALT 17.9047	ATL LA 7 -10-5	AS PHOTO  1 L 511 -20	O NO .en 850	198	R 53.36(	POD 5	PTH A	402 AZ 4. 792
28 -10.512 -20.889  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 1 -10.630 -20.587	30.71535 30.34629 25 MIN 41 RANGE	-35.4 -50.2 SEC 181	3.7 3.6 MS	-81.5 -79.9 SEC TO 7.	42.4 42.0 TAB NO IMPACT 618	ALT 17-9047 A* 0.94430 0.93595	ATL  LA  7 -10-5  8/A 0-900 0-908	AS PHOTO  L 511 -20  AZPHAZ -93.5 -90.0	O NO ON O	198 175 PHAZ 43.6 47.6	R 53.36( EMIS 26.0 24.7	POD \$  V 2.604  ALPHA 23.6 19.0	PTH A -64.330 114 SCALE P	402 AZ 4-792 PT-P1 0- 1
JULY 31,1964 13 HR TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.630 -20.637 2 -10.676 -20.633 3 -10.616 -20.703	30.71535 30.34629 25 MIN 41 RANGE 19.88920 19.69409 18.71223	AZS/C -39.2 -48.2	3.7 3.6 MS AZN 6.3 6.7 5.1	-81.5 -79.9 SEC TO 7. AZSUN -84.5 -83.0	42.4 42.0 TAB NO IMPACT 618 AZA 42.4 41.8 41.7	ALT 17.9047: A* 0.94430 0.93595 0.88128	ATL  1 -10-5  8/A 0-900 0-908	AS PHOTO  I L  511 -20  AZPHAZ -93.5 -90.0	O NO ON -850 INCD 67.6 67.6	198 175 PHAZ 43.6 47.6	R 53.360 EMIS 26.0 24.7	POD S V 2.604 ALPHA 23.6	PTH A -64.330 114  SCALE P 0. 1.94890	402 AZ 4,793 PT-P1 0- 1 1- 2
JULY 31,1964 13 HR TRAJECTURY DATA  PHOTO DATA PT LAT LON 1 -10.630 -20.587 2 -10.676 -20.633 3 -10.616 -20.703 4 -10.661 -20.703	30.71535 30.34629 25 MIN 41 RANGE 19.88920 19.69409 18.71223	AZS/C -39.2 -49.7 -39.6	3.7 3.6 MS AZN 6.3 6.7 5.1	-81.5 -79.9 SEC TO 7. AZSUN -84.5 -83.0 -81.2	42.4 42.0 TAB NO IMPACT 618 AZA 42.4 41.8 41.7	ALT 17.9047: A* 0.94430 0.93595 0.88128	ATL  1 -10-5  8/A 0-900 0-908	AS PHOTO  I L  511 -20  AZPHAZ -93.5 -90.0	O NO ON -850 INCD 67.6 67.6	198 175 PHAZ 43.6 47.6	R 53.360 EMIS 26.0 24.7	POD S V 2.604 ALPHA 23.6	PTH A -64.330 114  SCALE P 0. 1.94890	402 4.792 0-11 1-2 3-4
28 -10.530 -20.884  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT 1-10.630 -20.587 2 -10.676 -20.633 3 -10.616 -20.703 4 -10.613 -20.641 5 -10.609 -20.575	30.71535 30.34629 25 MIN 41 RANGE 19.88920 19.69409 18.71223 19.21883	AZS/C -39.2 AZS/C -39.2 -48.2 -49.7	3.7 3.6 MS AZN 6.3 6.7 5.1	-81.5 -79.9 SEC TO 7. AZSUN -84.5 -83.0 -81.2 -80.6	42.4 42.0 TAB NO IMPACT 618 AZA 42.4 41.8 41.7	ALT 17.9047: A* 0.94430 0.93595 0.88128	ATL  1 -10-5  8/A 0-900 0-908	AS PHOTO  I L  511 -20  AZPHAZ -93.5 -90.0	O NO ON -850 INCD 67.6 67.6	198 175 PHAZ 43.6 47.6	R 53.360 EMIS 26.0 24.7	POD S V 2.604 ALPHA 23.6	PTH A -64.330 114  SCALE P 0. 1.94890	402 4.79 0- 1- 2- 3-
28 -10.530 -20.884  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT 1-10.630 -20.587 2 -10.676 -20.633 3 -10.616 -20.703 4 -10.613 -20.641 5 -10.609 -20.575	30.71535 30.34629 25 MIN 41 RANGE 19.88920 19.69409 18.71223 19.21883	AZS/C -39.2 AZS/C -39.2 -48.2 -49.7	3.7 3.6 MS AZN 6.3 6.7 5.1	-81.5 -79.9 SEC TO 7. AZSUN -843.0 -81.2 -80.9 -80.6 -82.7	42.4 42.0 TAB NO IMPACT 618 AZA 42.4 41.8 41.7	ALT 17.9047: A* 0.94430 0.93595 0.88128	ATL  1 -10-5  8/A 0-900 0-908	AS PHOTO  I L  511 -20  AZPHAZ -93.5 -90.0	O NO ON -850 INCD 67.6 67.6	198 175 PHAZ 43.6 47.6	R 53.360 EMIS 26.0 24.7	POD S V 2.604 ALPHA 23.6	PTH A -64.330 114  SCALE P 0. 1.94890	402 4.79 0-1 1-2 3-4-1 5-6
28 -10.530 -20.884  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT 1-10.630 -20.587 2 -10.676 -20.633 3 -10.616 -20.703 4 -10.613 -20.641 5 -10.609 -20.575	30.71535 30.34629 25 MIN 41 RANGE 19.88920 19.69409 18.71223 19.21883	AZS/C -39.2 AZS/C -39.2 -48.2 -49.7	3.7 3.6 MS AZN 6.3 6.7 5.1	-81.5 -79.9 SEC TO 7, AZSUN -84.5 -83.0 -81.2 -80.9 -80.6 -82.7 -84.9	42.4 42.0 TAB NO IMPACT 618 AZA 42.4 41.8 41.7 41.2 40.7 41.3 41.9	ALT 17-9047: A* 0.94430 0.93595 0.88128 0.90895 0.93818 0.96742 0.99814	ATL 8/A 0-900 0-965 0-965 0-965 0-965 0-878 0-8851	AS PHOTO 511 -20 AZPHAZ -93.5 -90.0 -85.4 -85.0 -84.6 -90.0 -95.5	ONO -850 INCD 67.6 67.6 67.5 67.6 67.6	175 PHAZ 43.6 47.6 53.2 47.9 42.5 42.5	R 53.360 EMIS 26.0 24.7 17.0 21.4 26.2 29.1	POD \$  V 2.604  ALPHA 23.6 19.0 13.9 19.4 24.9 24.9	PTH A -64.330 114  SCALE P 0. 1.94890 2.75681 1.85862 1.98115 1.99110 2.11742	402 AZ 4,793 0-11-2 2-3 4-15-6 6-16
JULY 31,1964 13 HR TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  1 -10.630 -20.587 2 -10.676 -20.533 3 -10.616 -20.703 4 -10.613 -20.641 5 -10.609 -20.575 6 -10.609 -20.575 6 -10.674 -20.565 8 -10.744 -20.565 8 -10.744 -20.625	30. 34629 25 MIN 41 RANGE 19. 88920 19. 69409 18. 71223 19. 21883 19. 93826 20. 45215 21. 19361 20. 38747 19. 81272	-35,4 -50,2 SEC 181 AZS/C -39,2 -49,7 -58,6 -64,5 -55,1 -47,4 -40,3	3.7 3.6 MS AZN 6.3 6.7 5.1 6.5 7.9 8.1 8.4	-81.5 -79.9 SEC TO 7. AZSUN -84.5 -83.0 -81.2 -80.9 -80.6 -84.9 -85.0	42.4 42.0 TAB NO IMPACT 618 42.4 41.8 41.7 41.2 40.7 41.3 41.9 42.4	ALT 17.9047 A* 0.94430 0.93595 0.88128 0.90895 0.93818 0.96422	ATL LA7 -10-1 8/A 0-900 0-908 0-905 0-935 0-905 0-878 0-851 0-881	AZPHAZ -93.5 -90.0 -85.4 -85.0 -86.6 -90.0 -95.5	ONO -850 INCD 67.6 67.5 67.5 67.6 67.6	178 PHAZ 43.6 47.6 53.2 47.9 42.5 42.2 42.5	R 53.36( EMIS 26.0 21.4 26.2 29.1 32.5 28.7	POD \$  V 2.604  ALPHA 23.6 19.0 13.9 19.4 24.9 24.5 23.0 17.6	PTH A	402 4,79 0- 1- 2- 3- 4- 5- 6- 7-
JULY 31,1964 13 HR TRAJECTURY DATA  PHOTO DATA 1 100 20.587 2 -10.676 -20.633 3 -10.616 -20.703 4 -10.613 -20.641 5 -10.609 -20.575 6 -10.674 -20.556 7 -10.744 -20.556 9 -10.742 -20.692	30. 34629 25 HIN 41 RANGE 19. 88920 19. 69409 18. 71223 19. 21883 19. 93826 20. 45215 21. 19361 20. 38747 19. 81272	-35,4 -50,2 SEC 181 AZS/C -39,2 -48,2 -49,7 -58,6 -64,5 -54,4 -47,4 -47,4 -40,3 -31,5	3.7 3.6 MS AZN 6.3 6.7 5.5 7.9 8.1 6.9 5.4	-81.5 -79.9 SEC TO 7. AZSUN -84.5 -83.0 -81.2 -80.9 -80.6 -84.9 -85.0	42.4 42.0 TAB NO IMPACT 618 42.4 41.8 41.7 41.2 40.7 41.3 41.9 42.4	ALT 17.9047 A* 0.94430 0.93595 0.88128 0.90895 0.93818 0.96422	ATL LA7 -10-1 8/A 0-900 0-908 0-905 0-935 0-905 0-878 0-851 0-881	AZPHAZ -93.5 -90.0 -85.4 -85.0 -86.6 -90.0 -95.5	ONO -850 INCD 67.6 67.5 67.5 67.6 67.6	178 PHAZ 43.6 47.6 53.2 47.9 42.5 42.2 42.5	R 53.36( EMIS 26.0 21.4 26.2 29.1 32.5 28.7	POD \$  V 2.604  ALPHA 23.6 19.0 13.9 19.4 24.9 24.5 23.0 17.6	PTH A	402 4.79 0- 1- 2- 3- 4- 5- 6- 7- 8-
JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  1 -10.630 -20.587 2 -10.676 -20.583 3 -10.616 -20.703 4 -10.613 -20.641 5 -10.609 -20.575 6 -10.609 -20.575 6 -10.674 -20.564 8 -10.744 -20.565 8 -10.744 -20.564 8 -10.744 -20.569 9 -10.742 -20.698 10.742 -20.698 11 -10.6618 -20.698	RANGE 19.88920 19.69409 18.71223 19.21883 19.3826 20.45215 21.19361 20.38747 19.81272 19.15829	-35,4 -50,2 SEC 181 AZS/C -39,2 -48,2 -49,7 -58,6 -64,5 -55,1 -47,4 -40,3 -31,5 -38,8	3.7 3.6 MS AZN 6.3 6.7 5.15 7.9 8.1 8.4 5.4	-81.5 -79.9 SEC TO 7. AZSUN -84.5 -83.0 -81.2 -80.9 -80.9 -85.0 -85.2 -81.2	42.4 42.0 TAB NO IMPACT 616 AZA 42.4 41.7 41.2 40.7 41.3 41.7 41.2 40.7 41.3 41.9 42.9 42.3	ALT 17.9047 0.94430 0.93595 0.88128 0.90895 0.93818 0.96742 0.99814 0.96422 0.93227 0.90622 0.88128	ATL LA' 7 -10. 8/A 0.900 0.965 0.935 0.965 0.851 0.861 0.911 0.936	AS PHOTO  I L  511 -29  AZPHAZ  -93.5 -90.0 -85.4 -85.9 -84.6 -90.0 -95.5 -95.0 -94.6 -90.0 -90.0 -90.0	ONO .850 INCD 67.6 67.6 67.5 67.6 67.6 67.6 67.6 67.6	175 PHAZ 43.6 47.6 53.2 47.9 42.5 42.5 47.9 53.2 53.2	R 53.36( EMIS 26.0 24.7 17.0 21.4 26.2 29.1 32.5 28.7 25.5 21.0	POD \$  V 1.2.604  ALPHA 23.6 19.9 19.4 24.9 24.5 17.6 12.3 13.5	PTH A -64.330 114  SCALE p 0 0. 1.94890 2.75681 1.85862 1.98115 1.99110 2.11742 2.11942 1.98043 1.96046	402 4.79 0- 1- 2- 3- 4- 5- 6- 7- 8- 9-10
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PHOTO DATA PHOTO DATA PLAT 1-10.613 -20.647 1-10.613 -20.647 1-10.613 -20.647 1-10.613 -20.647 1-10.613 -20.647 1-10.613 -20.647 1-10.613 -20.647 1-10.613 -20.647 1-10.613 -20.647 1-10.613 -20.647 1-10.614 -20.555 8-10.744 -20.555 8-10.744 -20.555 10.104 -20.555 10.104 -20.555 10.105 -20.698 11-10.616 -20.703 12-10.571 -20.765 13-10.566 -20.765	30.34629 25 MIN 41 RANGE 19.88920 19.69409 18.71223 19.21883 19.93826 20.45215 21.19361 20.38747 19.81272 19.15829 18.7723 18.77474 18.47861 18.96660	-35.4 -50.2 SEC 181 AZS/C -39.2 -48.2 -48.2 -55.1 -47.4 -40.3 -31.5 -38.8 -49.7 -59.3 -63.1	AZN 6.3 5.1 6.7 5.1 6.9 5.4 5.3 5.1 3.6	-81.5 -79.9 SEC TO 7. AZSUN -84.5 -83.0 -81.22 -80.9 -80.6 -82.7 -84.9 -85.2 -83.2 -79.9 -79.5	42.4 42.0 TAB NO IMPACT 618 AZA 42.4 41.7 41.2 40.7 41.3 41.9 42.9 42.9 42.9 41.9 41.9 41.9	ALT 17.9047: 0.94430 0.93595 0.88128 0.90895 0.93818 0.96742 0.99814 0.96422 0.93227 0.90622 0.88128 0.88108 0.86040	ATL LA 7 -10-1 8/A 0-900 0-908 0-965 0-905 0-878 0-851 0-881 0-918 0-918 0-965 0-965	AS PHOTO  I L 511 -20  AZPHAZ -93.5 -90.0 -85.4 -95.5 -90.0 -95.5 -94.6 -90.0 -85.4 -82.1 -81.5	ONO ON 1.850 INCD 67.6 67.6 67.5 67.6 67.6 67.6 67.6 67.6	173 PHAZ 43.6 53.2 47.9 42.5 42.5 42.5 53.0 53.2 53.9	R 53.366 EMIS 26.0 24.7 17.0 21.4 26.2 29.1 32.5 28.7 21.0 17.0	POD \$  V 2.604  ALPHA 23.6 19.0 13.9 24.9 24.5 23.0 17.6 12.3 13.9 8.4	PTH A -64.330 114  SCALE P 0. 1.94890 2.75681 1.85862 1.98115 1.99110 2.11742 2.11942 1.98043 1.96796 1.85802 1 1.70691 1 1.70691 1 1.70691 1 1.81262 1	402 AZ A=79 0- : 1- : 2- : 3- : 4- : 5- : 6- : 7- : 8- : 9-1: 10-1: 12-1: 12-1: 13-1-4
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JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  1 -10.630 -20.587 2 -10.676 -20.633 3 -10.616 -20.703 4 -10.613 -20.641 5 -10.609 -20.575 6 -10.674 -20.555 7 -10.744 -20.554 8 -10.743 -20.698 11 -10.616 -20.703 12 -10.571 -20.765 13 -10.566 -20.708 14 -10.556 -20.708 14 -10.556 -20.583 16 -10.556 -20.583 16 -10.556 -20.583 16 -10.556 -20.583 16 -10.556 -20.583	30. 34629 25 HIN 41 RANGE 19. 88920 19. 69409 18. 71223 19. 21883 19. 93826 20. 45215 21. 19361 20. 38747 19. 81272 18. 17474 18. 47861 18. 96660 19. 65892 20. 57401 20. 89034	AZS/C -39,2 -49,7 -64,5 -55,1 -47,4 -40,3 -318,8 -49,7 -50,3 -63,1 -69,9 -74,1 -68,6	3.7 3.6 MS AZN 6.3 6.7 5.1 8.4 6.9 5.3 5.1 3.6 5.0 6.7 7.7	-81.5 -79.9 SEC TO 7 AZSUN -84.5 -83.0 -81.2 -80.9 -85.0 -85.0 -85.2 -79.9 -79.5 -79.5 -79.5 -78.8 -78.8	42.4 42.0 TAB NO IMPACT 616 42.4 41.8 41.7 41.2 40.7 41.3 41.9 42.4 42.9 41.7 41.7 41.9 42.9 41.7 41.9 42.9 40.7 39.8	ALT 17.9947 A.* 0.93595 0.881595 0.981595 0.98180 0.96742 0.99814 0.96742 0.93227 0.93227 0.86040 0.86040 0.86040 0.86040 0.91383 0.94280	ATL 8/A 0.900 0.965 0.905 0.878 0.8851 0.911 0.911 0.936 0.965 0.878 0.878 0.878 0.965 0.878 0.905 0.878 0.905 0.908	AS PHOTO  AZPHAZ  -93.5  -90.0  -85.4  -85.9  -85.9  -95.5  -95.0  -94.6  -90.0  -85.4  -82.1  -81.5  -80.7  -78.8	ONO ONO 1NCD 67.6 67.6 67.6 67.6 67.6 67.6 67.6 67.6 67.5 67.5 67.5 67.5	178 PHAZ 43.6 47.6 53.2 42.5 42.5 42.5 53.2 53.2 53.2 53.2 53.2 43.2	R 53.36( EMIS 26.0 24.7 17.0 426.2 29.1 32.5 5 21.0 9.9 14.4 42.5 29.7 31.2	POD \$  V 2.604  ALPHA 23.6 19.0 13.9 24.9 24.9 24.5 13.5 13.5 13.7 19.1 24.4 29.7	SEQUENCE NO  PTH  -64.330 114  SCALE p 0. 1.94890 2.75681 1.85862 1.98115 1.99110 2.11742 2.11942 1.98043 1.96796 1.85802 1.30514 1.70691 1.81262 1.98208 1.96793 1.967998 1.967991 1.69914	402 AZ 4-79 1-1 2-1 3-1 4-1 12-1 13-1 14-1 16-1 16-1
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RA-VII CAMERA FA

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ULY 31,1964 13	HR 25 MIN 46	SEC 301	MS		TAB NO	199	ATLA	S PHOTO	NO	199	POD S	SEQUENCE NO	) 404
TRAJECTORY DATA				SEC TO	IMPACT	ALT 5.87714	LAT		ON .675	R 1741 332	y 2.611	PTH -64-217 11	AZ 14.759
PHOTO DATA				2.	440	3.01114	-10.5	71 -20	•01)	1141.552	2.011	010011	
T LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A+	B/A	AZPHAZ	INCD	PHAZ EMIS	AL PHA	SCALE	PT-P1
1 -10.630 -20.58			6.3	-84.5	42.2	0.31019		-93.5	67.6	43.6 25.9	23.5	0.	0- 1
2 -10.645 -20.60		-48.3	6.7	-83.0	41.7	0.30747		-90.0		47.6 24.8	19.0	0.63795	1- 2
3 -10.626 -20.6		-49.8	5.1	-81.2	41.7	0.28948		-85.4		53.2 17.1	14.0	0.90589	2- :
4 -10.625 -20.60		-58.5	6.5	-80.9	41.2	0.29860		-85.0	67.6	47.9 21.5	19.4	0.61070	3- 4
5 -10.623 -20.5		-64.4	7.9	-80.6	40.8	0.30820		-84.6	67.6	42.5 26.2	24.9	0.65086	
6 -10.645 -20.5		-55.1	8.1	-82.7	41.3	0.31781		-90.0	67.6	42.2 29.0	24.4	0.65412	5-
7 -10.667 -20.5		-47.5	8.4	-84.9	41.8	0.32787	0.851	-95.5	67.6	42.5 32.5	23.0	0.69535	
8 -10.667 -20.60		-40.5	6.9	-85.0	42.2	0.31673	188.0	-95.0	67.6	47.9 28.7	17.7	0.69617	7-
9 -10.667 -20.6		-31.7	5.4	-85.2	42.6	0.30621	0.911	-94.6	67.6	53.3 25.5	12.4	0.65068	
0 -10.646 -20.6		-39.0	5.3	-83.2	42.2	0.29767	0.938	-90.0	67.6	53.1 21.0	13.5	0.64627	
1 -10.626 -20.6		-49.8	5.1	-81.2	41.7	0.28948	0.965	-85.4	67.6	53.2 17.1	14.0	0.61033	
2 -10.611 -20.6		-50-4	3.6	-79.9	41.9	0.26965	0.983	-82.1	67.5	58.9 10.1	8.5	0.75741	
3 -10.609 -20.6		-63.0	5.0	-79.5	41.2	0.28260	0.988	-81.5	67.6	53.7 14.5	13.8	0.56076	
4 -10.607 -20.6		-69.8	6.4	-79.2	40.8	0.29117	0.958	-80.7	67.6	48.4 19.4	19.1	0.59554	
5 -10.606 -20.5		-73.9	7.8	-78.8	40.4	0.30018	0.928	-79.9	67.6	43.2 24.5	24.4	0.63373	
6 -10.604 -20.5			9.1	-78.3	40.0	0.30968	0.898	-78.8	67.6	38.0 29.6	29.6	0.67578	
7 -10.622 -20.5		-68.5	9.3	-80.2	40.4	0.31835	0.875	-84.0	67.6	37.2 31.1	30.2	0.55824	
8 -10.644 -20.5		-60.2	9.6	-82.4	40.9	0.32876	0.848	-90.0	67.6	36.9 33.6	29.8	0.67942	
9 -10.668 -20.5			9.8	-84.7	41.4	0.33970	0.821	-96.1		37.2 36.6	28.1	0.72393	
0 -10.693 -20.5	7 7.65545	-47.0	10.1	-86.9	41.8	0.35122	0.794	-102.0		38.2 39.9	25. l	0.77288	
1 -10.692 -20.5			8.6	-87.0	42.2	0.33843				43.3 36.3	20.4	0.77690	
2 -10.691 -20.5	7.00118	-34.6	7.1	-87.1	42.7	0.32642	0.854	-100.0		48.6 33.0	15.5	0.72262	
3 -10.690 -20.6	0 6.79544	-26.5	5.6	-87.2	43.1	0.31511	0.884	-99.2		53.8 30.2	10.5	0.67392	
4 -10.689 -20.6			4.0	-87.3	43.6	0.30444		~98.5		59.0 28.1	5.5	0.63006	
5 -10.667 -20.6	2 6.38575	-20.8	3.9	-85.4	43.1	0.29625		-94.3		58.5 23.1	7.1	0.66182	
26 -10.646 -20.6	4 6.18156	-26.5	3.8	-83.4	42.6	0.28838		-90.0		58.4 18.1	8.2	0.62492	
7 -10.627 -20.6	5 6.04198	-36.1	3.7	-81.5	42.1	0.28080		-85.8		58.5 13.4	8.6	0.59133	
8 -10.611 -20.6			3.6	-79.9	41.9	0.26965	0.983	-82.1	67.5	58.9 10.1	8.5	0.48913	27-2

## TIME- AND CAMERA-DEPENDENT PARAMETERS

KA-VII CAMERA FB		

JULY 31,1964 13 HR 8 MIN 44	SEC 881 1	MS		TAB NO	1	ATLAS P	PHOTO NO	1	POD S	equençe n	10 5
TRAJECTORY DATA			SEC TO 1023.	I PPACT	ALT 2110.25528	LAT 3.278	LON -35.799	R 3845 711	V 1 022	PTH -74.796 1	AZ
PHOTO DATA						3.2.10	330177	3043.111	1.733	-14.190 1	111.030
PT LAT LON RANGE	AZS/C	AZN	AZSUN	AZA	Α.	B/A AZP	HAZ INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
1 -12.197 -17.343 2298.81119	-60.3	10.9	-85.6	28.7	39.79051	0.690 -9	22.4 70.8	38-2 35-5	31 7	0	0-1
2 -13.102 -9.617 2445.53491			-85.3		39.93731	0.683 -9	10.8 78.4	33.9 46.9 35.8 39.8	43.7	229.96107	1 - 2
3 -10.504 -13.784 2348.30533		10.0	-83.3		38.30794	0.769 -8	8.1 74.1	35.8 39.8	37.8	146.48393	3 2-3
4 -10.365 -6.524 2495.87268		11.6	-84.9	20.6	40.70139	0.641 -8	17.9 81.2	32.1 50 2	49 Q	216 21042	3 - 4
5 -16.077 -4.360 2581.60553	-62.0	16.7	-89.2	27.6	42.11295	0.571 -9	13.7 83.6	32.1 55.2	50.8	184.39574	4-5
6 -15.836 -12.384 2414.17975		14.0	-85.3	31.2	39.36943	0.711 -9	93.3 75.9	35.9 44.8	38.6	233.77828	5-6
7 -10.504 -13.784 2348.30533	-66.9	10.0	-83.3	23.9	38.30794		8.1 74.1	35.8 39.8	37.8	166.68018	8 6- 7
8 -8.416 -17.262 2278.31204	-69.8	7.9	-82.3	22.4	37.056C1		36.0 70.5	37.8 33.6	32.5	121.64905	7-8
9 -8.149 -10.912 2392.97037 10 -7.863 -2.857 2572.60797	-/3.8	9.1	-63.1	19.0	38.98626		5.6 76.8	34.1 43.2	42.6	190.49627	
11 -13.204 -0.792 2045.77353	-16.4	10.2	-84.1	15.9	41.78608		15.2 84.8	30.3 54.7	54.4	241.77400	9-10
12 -19.825 3.239 2793.73083	-68.2	15.1 21.9	-89.0 81.9	22.4 29.4	43.10761 45.41761	0.521 -9	0.8 87.0	30.2 58.7	56.6	173.05942	10-11
13 -19.063 -7.378 2544.53061		18.2	-89.2	32.9	41.43294	0.411 -9	97.0 91.0 96.4 80.9	30.5 65.8	60-7		
14 -18.697 -14.898 2400.87814		14.9	-85.1	36.8	38.98294			34.2 53.1		304.04447	
		10.8	-83.3	29.5	37.82448			37.9 43.8		215.79764	13-14
16 -8.416 -17.262 2278.31204		7.9	-82.3	22.4	37.056C1		10.1 11.8	37.7 37.5 37.8 33.6	33.1	174 - 40394	14-15
10 01410 171202 2270131204	-69.6	1.7	-02.3	22.4	37.03601	U.03C -6	.0.0	31.8 33.6	32.5	144.79073	15-16
HH V 31-1964 13 HR 8 MIN 50	SEC 1	MS		TAB NO	2	ATLAS P	РНОТО НО	2	POD S	EQUENCE N	0 7
TRAJECTORY DATA					AL T 2100.69925	LAI -3.295	-35.764	9836.155	v 1.935	PTH -74.769 1	AZ
PHOTC DATA											
PT LAT LEN RANGE			AZ SUN	AZA	A *			PHAZ EMIS		SCALE	PT-PT
1 -12.188 -17.360 2288.56958	-60.2		-85.6		39.61325			38.2 35.5	31.7	0.	0- 1
2 -13.102 -9.671 2434.54742 3 -10.516 -13.817 2337.88791	-64.2	12.9	-65.3		39.75788	0.684 -9	0.8 78.3	34.0 46.9	43.7	228.91461	1- 2
3 -10.516 -13.817 2337.88791	-66.9	10.0	-83.3	24.0	38.136C1		38.1 74.1	35.8 39.8	37.8	145.73919	2-3
4 -10.377 -6.596 2484.46582	-70.9	11.6	-84.9	20.6	40.51541	C.642 -8	17.9 81.2	32.1 50.1	48.8	215.12197	3 – 4
5 -16.062 -4.448 2569.65436	-62.0	16.7	-89.1	27.6	41.918C1	0.573 -9	3.7 83.5	32.2 55.1	_50,7_	183,47698	3_4-5
6 -15.823 -12.424 2403.43799		14.0	-85.3	31.2	39.19429			35.9 44.7		232.39289	
7 -10.516 -13.817 2337.88791 8 -8.436 -17.278 2268.25275		10.0	-83.3	24.0	38.13801			35.8 39.8		165.92656	
9 -8.171 -10.960 2382.22311	-73.7	7.9 9.1	-82.3 -83.0	22.4 19.1	36.89242 36.81123			37.8 33.6		121.08252	
10 -7.886 -2.954 2560.51053	-74 4	10.3	-84.0	16.0	41.58976			34.1 43.2			
11 -13.202 -0.905 2633.18219			-88.9	22.5	42.90247			30.3 54.6 30.2 58.5			
12 -19.788 3.079 2779.68951	-60-1	21.9	82.1	29.4	45.18941			30.5 65.7			
		18.2	-89.1	32.9	41.244C0			34.2 53.0			
		14.9	-85.1	36.8	38.81030			37.9 43.8	77.1		
		10.8	-83.2	29.5						214-60986	
							10.7 71.8	37.7 37.5		214-60986	
	-09.0	7.9	-62.3		37.65791 36.89242	0.795 -9	90.7 71.8	37.7 37.5	33.0	1/3.60243	14-15
	-69.8		-62·3	22.4	37.65791 36.89242	0.795 -9 0.836 -8	90.7 71.8 96.0 70.5	37.7 37.5 37.8 33.6	33.0 32.5	1/3.60243	14-15 15-16
JULY 31,1964 13 HR 8 MIN 55	SEC 121 /	M.S	-62.3	TAB NO	37.65791 36.89242 <b>3</b>	C.795 -9 0.836 -8 ATLAS F	90.7 71.8 96.0 70.5 PHOTO NO	37.7 37.5 37.8 33.6 3	33.0 32.5 POD S	173.60243 144.15977 EQUENCE N	14-15 15-16 10 9
JULY 31,1964 13 HR 8 MIN 55	SEC 121 /	M.S	-62.3	TAB NO	37.65791 36.89242 <b>3</b>	C.795 -9 0.836 -8 ATLAS F	90.7 71.8 96.0 70.5 PHOTO NO	37.7 37.5 37.8 33.6	33.0 32.5 POD S	173.60243 144.15977 EQUENCE N	14-15 15-16 10 9
JULY 31,1964 13 HR 8 MIA 55 TRAJECTORY DATA	SEC 121 /		-82.3 SEC TO 1013.	TAB NO	37.65791 36.89242 3 ALT 2091.13651	C.795 -9 0.836 -8 ATLAS F	PHOTO NO  LCN -35.729	37.7 37.5 37.8 33.6 3 R 3826.592	33.0 32.5 POD S	173.60243 144.15977 EQUENCE N PTH -74.742 1	AZ 17.028
JULY 31,1964 13 HR 8 MIA 55 TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	SEC 121 /	MS AZN	-62.3 SEC TO 1013.	TAB NO	37.65791 36.89242 3 ALT 2091.13651	C.795 -9 0.836 -8 ATLAS F LAT -3.313	PHOTO NO  LCN -35.729	37.7 37.5 37.8 33.6 3 R 3826.592	33.0 32.5 POD S	173.60243 144.15977 EQUENCE N PTH -74.742 1	AZ 117-028
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949	AZS/C -60.2	MS AZN 10.8	-82.3 SEC TO 1013. AZSUN -85.6	22.4  TAB NO  IMPACT .679  AZA 28.8	37.65791 36.89242 3 ALT 2091.13651 A• 39.43588	C.795 -9 0.836 -8 ATLAS F LAT -3.313 B/A AZP 0.691 -9	PHOTO NO  LCN -35.729  PHAZ INCO PLAZ TOCO PLA	37.7 37.5 37.8 33.6 3 8 3826.592 PHAZ EMIS 38.2 35.5	33.0 32.5 POD S v 1.937	173.60243 144.15977 EQUENCE N PTH -74.742 1 SCALE 0.	AZ 117-028 PT-PT 0-1
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450	AZS/C -60.2 -64.1	AZN 10.8 12.9	-82.3 SEC TO 1013. AZSUN -85.6 -85.3	22.4 TAB NO IMPACT .679 AZA 28.8 25.9	37.65791 36.89242 3 ALT 2091.13651 A• 39.43588 39.57835	C.795 -9 C.836 -8 ATLAS F LAT -3.313 B/A AZP C.691 -9 C.684 -9	PHOTO NO  LCN -35.729 PHAZ INCO PLAZ INCO 20.4 70.7	37.7 37.5 37.8 33.6 3 8 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8	33.0 32.5 POD S v 1.937 ALPHA 31.6 43.6	173.60243 144.15977 EQUENCE N PTH -74.742 1 SCALE 0. 227.87229	AZ 117.028 PT-PT 0-1
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.449 2327.46375	AZS/C -60.2 -64.1	AZN 10.8 12.9	-62.3  SEC TO 1013.  AZSUN -85.6 -85.3 -83.3	22.4 TAB NO IMPACT .679 AZA 28.8 25.9 24.0	37.65791 36.89242 3 ALT 2091.13651 A• 39.43588 39.57835 37.96797	C.795 -9 C.836 -8 ATLAS F LAT -3.313 B/A AZP C.691 -9 C.684 -9 C.77C -8	PHOTO NO  LCN -35.729  PHAZ INCO 92.4 70.7  90.8 78.3  85.1 74.1	37.7 37.5 37.8 33.6 3 8 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 37.7	1/3.60243 144.15977 EQUENCE N PTH -74.742 1 SCALE 07.87229 144.99529	AZ 117-028 PT-PT 0-1 117-028
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.449 2327.46375 4 -10.389 -6.68 2473.05612	AZS/C -60.2 -64.1 -06.9	AZN 10.8 12.9 10.0	-62.3 SEC TO 1013. AZSUN -85.6 -85.3 -84.9	22.4  TAB NO  IMPACT .679  AZA 28.8 25.9 24.0 20.7	37.65791 36.89242 3 ALT 2091.13651 A. 39.43588 39.57835 37.96797 4C.32939	C.795 -9 O.836 -8 ATLAS F LAT -3.313 B/A AZP O.691 -9 O.684 -9 O.77C -8 O.643 -8	PHOTO NO  LCN -35.729  PHAZ INCO 22.4 70.7 0.8 78.3 38.1 74.1 37.9 81.1	37.7 37.5 37.8 33.6 3 8 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7 32.1 50.0	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 37.7 48.7	173.60243 144.15977 EQUENCE N PTH -74.742 1 SCALE 0. 227.87229 144.99529 213.92725	AZ 117-028 PT-PT 0-1 12-2 12-3 13-4
JULY 31,1964 13 HR 8 MIA 55  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.449 2327.46375 4 -10.389 -6.668 24/3.05615 5 -16.048 -4.536 2557.70245	AZS/C -60.2 -64.1 -66.9 -70.9 -70.9	AZN 10.8 12.9 10.0 11.6 16.7	-62.3 SEC TO 1013. AZSUN -85.6 -85.3 -84.9 -89.1	22.4  TAB NO  IMPACT .679  AZA 28.8 25.9 24.0 20.7 27.6	37.65791 36.89242 3 ALT 2091.13651 A.9.43588 39.57835 37.96797 4C.32939 41.72305	C.795 -9 0.836 -8  ATLAS F  LAT -3.313  B/A AZP 0.691 -9 0.77C -8 0.684 -9 0.77C -8 0.643 -8 0.643 -8	PHOTO NO  LCN -35-729  PHAZ INCO 22.4 70.7  70.8 78.3  81.1 74.1  83.7 83.4	37.7 37.5 37.8 33.6 3 R 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7 32.1 50.0 32.2 55.0	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 37.7 48.7 50.6	173.60243 144.15977 EQUENCE N PTH -74.742 1 SCALE 07.87229 144.99529 213.92725 182.55914	AZ 117-16 10 9 AZ 117-028 PT-PT 0-1 1-2 1-2 1-2 1-3 1-4 1-5
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTC DATA PT LAT LCN RANGE 1 -12-179 -17-376 2278.31949 2 -13-102 -9.725 2423.55450 3 -10-527 -13.449 2327.46375 4 -10.389 -6.688 2473.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12-464 2392.88948	AZS/C -60.2 -64.1 -66.9 -70.9 -62.0 -56.8	AZN 10.8 12.9 10.0 11.6 16.7	-82.3 SEC TO 1013. AZSUN -85.6 -85.3 -83.3 -84.9 -89.1	22.4  TAB NO  IMPACT. 679  AZA 28.8 25.9 24.0 20.7 27.6 31.2	37.65791 36.89242 3 ALT 2091.13651 A. 39.43588 39.47835 37.96797 4C.32939 41.72365 39.01964	C.795 -9 C.836 -8 ATLAS F LAT -3.313 B/A AZP C.691 -9 C.684 -9 C.77C -8 C.643 -8 C.574 -9 C.712 -9 C.712 -9	PHOTO NO  LCN -35.729  PHAZ INCO 02.4 70.7 0.8 78.3 81.1 74.1 37.9 81.1 37.7 83.4 75.8	37.7 37.5 37.8 33.6 3 8 8 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 36.9 39.7 32.1 50.0 32.2 55.0 35.9 44.7	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 37.7 48.7 50.6 38.5	173.60243 144.15977 EQUENCE N PTH -74.742 1 SCALE 0. 27.87229 144.99529 213.92725 182.55914 231.01206	AZ 117-028 PT-PT 0-1 1-2 2-3 5-3-4 4-5 5-6
JULY 31,1964 13 HR 8 MIA 55  TRAJECTORY DATA  PHOTC DATA  PT LAT	AZS/C -60.2 -64.1 -06.9 -70.9 -62.0 -56.8 -66.9	AZN 10.8 12.9 10.0 11.6 16.7 14.0	-62.3 SEC TO 1013. AZSUN -85.6 -85.3 -83.3 -84.9 -89.1 -85.3 -83.3	22.4 TAB NO IMPACT. 679 AZA 28.8 25.9 24.0 20.7 27.6 31.2 24.0	37.65791 36.89242 3 ALT 2091.13651 A. 39.43588 39.57835 37.96797 41.72305 39.01904 37.96797	C.795 -9 0.836 -8 ATLAS F  LAT -3.313  B/A AZP 0.691 -9 0.684 -9 0.77C -8 0.574 -9 0.712 -9 0.712 -9	PHOTO NO  LCN -35.729  PHAZ INCO 22.4 70.7  90.8 78.3  17.9 81.1  13.7 83.4  75.8  18.1 74.1	37.7 37.5 37.8 33.6 3 8 8 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7 32.1 50.0 32.2 55.0 35.9 34.7	33.0 32.5 POD S v 1.937 ALPHA 31.6 43.6 43.6 37.7 48.7 50.6 38.5 37.7	173.60243 144.15977 EQUENCE N PTH -74.742 1 SCALE 0. 227.87229 144.99529 213.92725 182.55914 231.01206 165.17253	AZ 117.028 PT-PT 0-1 1-2 3-3-4 4-5 3-6-7
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTC DATA PT LAT LCN RANGE 1 -12-179 -17-376 2278.31949 2 -13-102 -9-725 2423-55450 3 -10.527 -13.449 2327.46375 4 -10.389 -6-668 2473.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12-464 2392.86948 7 -10.527 -13.849 2327.46375 8 -8.457 -17.294 2258.18643	AZS/C -60.2 -64.1 -06.9 -70.9 -62.0 -56.8 -66.9 -69.7	AZN 10.8 12.9 10.0 11.6 16.7 14.0	-62.3 SEC TO 1013. AZSUN -85.6 -85.3 -84.9 -89.1 -85.3 -83.3 -83.3 -83.3 -82.3	22.4  TAB NO  IMPACT 679  AZA 28.8 25.9 24.0 20.7 27.6 31.2 24.0 22.5	37.65791 36.89242 3 ALT 2091.13651 A. 39.43588 39.57835 37.96797 4C.32939 41.72305 39.01904 37.96797 36.72872	C.795 -9 0.836 -8 ATLAS F LAT -3.313 B/A AZP 0.691 -9 0.684 -9 0.77C -8 0.574 -9 0.77C -9 0.77C -8 0.837 -8	PHOTO NO  LCN -35.729  PHAZ INCO 22.4 70.7  0.8 78.3  17.9 81.1  13.7 83.4 75.8  18.1 74.1  74.1 75.8  18.1 74.1	37.7 37.5 37.8 33.6 3 8 8 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7 32.1 50.0 35.9 44.7 35.9 39.7 35.9 39.7 37.8 33.6	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 37.7 50.6 38.5 37.7 32.5	173.00243 144.15977 EQUENCE N PTH -74.742 1 SCALE 0. 227.87229 213.92725 144.99529 213.92725 182.55914 231.01206 165.17253 120.51604	AZ 117.028 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 7-8
JULY 31,1964 13 HR 8 MIA 55  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.449 2327.46375 4 -10.389 -6.668 2473.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12.464 2392.68948 7 -10.527 -13.849 2327.46375 8 -8.457 -17.294 2258.18643 9 -8.193 -110.07 2371.47070	AZS/C -60.2 -64.1 -06.9 -70.9 -62.0 -56.8 -66.9 -69.7 -73.7	AZN 10.8 12.9 10.0 11.6 16.7 14.0 17.9 9.1	-62.3 SEC TO 1013. AZ SUN -85.3 -83.3 -84.9 -89.1 -85.3 -83.3 -82.3 -83.3	22.4  TAB NO  IMPACT. 679  AZA 28.6 28.9 24.0 20.7 27.6 31.2 24.0 22.5 19.1	37.65791 36.89242 3 ALT 2091.13651 A. 39.43588 39.57835 37.96797 4C.32939 41.72305 39.019C4 37.96797 36.72872 38.63612	C.795 -9 0.836 -8 ATLAS F  LAT -3.313  B/A AZP 0.691 -9 0.684 -9 0.77C -8 0.712 -9 0.712 -9 0.712 -9 0.713 -8	PHOTO NO  LCN -35.729  PHAZ INCO 22.4 70.7 0.8 78.3 18.1 74.1 13.7 83.4 75.8 18.1 74.1 66.0 70.5 5.6 76.7	37.7 37.5 37.8 33.6 3 8 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7 32.1 50.0 32.2 55.0 35.9 39.7 37.8 33.6 43.1 43.1	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 37.7 48.7 50.6 38.5 37.7 32.5 42.5	173.60243 144.15977 EQUENCE N PTH -74.742 1 SCALE 0. 227.87229 213.92725 182.555914 231.01206 165.17253 120.51604	AZ 117-028 PT-PT 0-1 1-2 2-3 3-4-5 5-5-6 3-6-7 7-8 8-9
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55650 3 -10.527 -13.449 2327.46375 4 -10.389 -6.668 24/3.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12.464 2392.68946 7 -10.527 -13.849 2327.46375 8 -8.457 -17.724 2258.18643 9 -8.193 -11.007 2371.47070 10 -7.909 -3.051 2588.41550	AZS/C -60.2 -64.1 -06.9 -70.9 -62.0 -56.8 -66.9 -69.7 -73.7 -73.7	AZN 10.8 12.9 10.0 11.6 16.7 14.0 10.0 7.9 9.1	-62.3 SEC TC 1013. AZSUN -85.6 -85.3 -84.9 -89.1 -85.3 -83.3 -83.3 -83.3	Z2.4  TAB NO  IMPACT 679  AZA 28.8 25.9 24.0 20.7 27.6 31.2 24.0 22.5 19.1 16.0	37.65791 36.89242 3 ALT 2091.13651 A.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S	C.795 -9 0.836 -8 ATLAS F LAT -3.313 B/A AZP 0.691 -9 0.684 -8 0.77C -9 0.77C -9 0.712 -9 0.712 -9 0.712 -9 0.712 -9 0.712 -9 0.712 -9 0.713 -8 0.837 -8 0.837 -8 0.533 -8	PHOTO NO  LCN -35.729  PHAZ INCD 22.4 70.7 20.8 78.3 28.1 74.1 27.9 81.1 27.9 81.4 27.9 81.4 27.9 81.4 27.9 81.6 27.	37.8 33.6 3 8 8 3826.592 PHAZ EMIS 34.0 46.8 35.9 39.7 32.1 50.0 35.9 44.7 35.9 39.7 35.9 39.7 37.8 33.6 34.1 43.1 30.4 54.5	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 7.7 50.6 38.7 32.5 42.5 42.5	173.00243 144.15977 EQUENCE N PTH -74.742 1 SCALE 227.87229 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725 113.92725	AZ 15-16 10 9 AZ 117-028 PT-PT 0-1 1-2 1-2 1-2 1-2 1-2 1-3 1-4 1-5 1-5 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.449 2327.46375 4 -10.389 -6.68 2473.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12.464 2392.68948 7 -10.527 -13.849 2327.46375 8 -8.457 -17.294 2258.18643 9 -8.193 -11.007 2371.47070 10 -7.909 -3.051 2548.41550 11 -13.200 -1.018 2620.59628	AZS/C -60.2 -64.1 -06.9 -70.9 -62.0 -56.8 -66.9 -73.7 -73.7 -76.3	AZN 10.8 12.9 10.0 11.6 16.7 14.0 10.0 7.9 9.3 15.1	-62.3 SEC TC 1013. AZSUN -85.6 -85.3 -84.9 -89.1 -85.3 -82.3 -83.0 -84.0	Z2.4  TAB NO  IMPACT 679  AZA 28.8 25.9 24.0 20.7 27.6 31.2 24.0 22.5 19.1 16.0 22.5	37.65791 36.89242 3 ALT 2091.13651 A. 39.43588 39.57835 37.96797 4C.32939 41.72305 39.019C4 37.96797 36.63612 41.39348 42.69742	C.795 -9 0.836 -8 ATLAS F  LAT -3.313  B/A AZP 0.691 -9 0.77C -8 0.574 -9 0.712 -9 0.712 -9 0.712 -9 0.713 -8 0.583 -8 0.583 -8	PHOTO NO  LCN -35.729  PHAZ INCO 20.8 78.3 85.1 74.1 13.7 83.4 73.4 75.6 86.1 74.1 66.0 70.5 15.6 76.7	37.8 33.6 3 8 8 3826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7 32.1 50.0 32.2 55.0 35.9 43.7 37.8 33.6 36.4 43.1 30.4 54.5 30.2 58.4	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 43.6 37.7 48.7 50.6 38.5 37.7 42.5 42.5 54.2	PTH -74.742 1 SCALE 27.87225 144.99529 213.92725 182.55914 231.01206 165.17253 120.51604 238.77250 121.29731	AZ 10 9 AZ 117.028 PT-PT 0-1 1-2 0-2-3 0-3-4 0-4-5 0-7-8 0-7-
JULY 31,1964 13 HR 8 MIA 55  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 1 12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.449 2327.46375 4 -10.389 -6.668 24/3.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12.464 2392.68948 7 -10.527 -13.849 2327.46375 8 -8.457 -17.244 2258.18643 9 -8.193 -11.007 2371.47070 10 -7.909 -3.051 2548.41550 11 -13.200 -1.018 2620.59628 12 -19.750 -2.920 275.567163	AZS/C -60.2 -64.1 -66.9 -70.9 -66.8 -66.9 -69.7 -73.7 -73.7 -76.3	AZN 12.9 10.0 11.6 16.7 14.0 10.0 7.9 9.1 10.3 15.1 21.8	-62.3 SEC TO 1013. AZ SUN -85.6 -85.3 -84.9 -89.1 -85.3 -83.3 -82.3 -82.3 -84.0 -84.0 -84.0	22.4  TAB NO  IMPACT .679  AZA 28.8 25.9 24.0 20.7 27.6 31.2 24.0 22.5 19.1 16.0 22.5 29.4	37.65791 36.89242 3 ALT 2091.13651 A. 39.43588 39.47835 37.96797 4C.32939 41.7236 39.019C4 37.96797 36.72872 38.63612 41.39348 42.69742 44.99742 44.9916159	C.795 -9 0.836 -8 ATLAS F LAT -3.313 B/A AZP 0.691 -9 0.77C -8 0.574 -9 0.712 -9 0.712 -9 0.712 -9 0.713 -8 0.583 -8 0.525 -9 0.447 -9	90.7 71.8 96.0 70.5 PHOTO NO  LCN -35.729  PHAZ INCO 12.4 70.7  0.8 78.3  81.1 74.1  13.7 83.1  74.1  13.7 83.1  74.1  13.7 83.6  76.7  6.8  6.0 70.5  15.2 84.6  6.6.8  6.7.7  6.7  6.7  6.8  6.7  6.7	37.8 33.6 3 8 8 3826.592 PHAZ EMIS 34.0 46.8 35.9 39.7 32.1 55.0 35.9 44.7 35.9 39.7 35.9 39.7 35.9 39.7 36.1 43.1 36.1 43.1 36.2 58.4 36.2 58.4 30.5 65.5	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 43.6 7.7 48.7 50.6 37.7 32.5 42.5 54.2 56.3 60.3	173.00263 144.15977 EQUENCE N PTH -74.742 1 SCALE 0. 227.87229 213.92725 144.99529 213.92725 120.51604 188.58504 120.51604 188.58504 171.29731 228.98725	AZ 117-1028 PT-PT 0-1 1-2 2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 5-11-12
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.449 2327.46375 4 -10.389 -6.668 2473.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12.464 2392.68948 7 -10.527 -13.849 2327.46375 8 -8.457 -17.249 2258.18643 9 -8.193 -11.007 2371.47070 10 -7.909 -3.051 2548.41550 11 -13.200 -1.018 2620.59628 12 -19.750 2.920 2765.67163 13 -19.000 -7.520 2521.30685	AZS/C -60.2 -64.1 -62.0 -56.8 -66.9 -69.7 -73.7 -76.3 -68.1 -60.1 -55.2	AZN 10.0 11.6 16.7 14.0 7.9 9.1 10.3 15.1 21.8	-62.3 SEC TO 1013. AZSUN -85.6 -85.3 -84.9 -89.1 -65.3 -83.3 -82.3 -83.0 -84.0 -84.0 -88.9 -82.2	22.4  TAB NO  IMPACT. 679  AZA 28.8 25.9 24.0 20.7 27.6 31.2 24.0 22.5 19.1 16.0 22.5 29.4 32.9	37.65791 36.89242 3 ALT 2091.13651 A. 39.43588 39.57835 37.96797 4C.32939 41.72305 39.01904 37.96797 36.72872 38.63612 41.39348 42.69742 44.96159 41.05501	C.795 -9 0.836 -8 ATLAS F LAT -3.313 B/A AZP 0.691 -9 0.707 -8 0.712 -9 0.712 -9 0.717 -8 0.731 -8 0.731 -8 0.533 -8 0.533 -8 0.533 -8 0.525 -9 0.417 -9 0.404 -9	90.7 71.8 96.0 70.5 PHOTO NO  LCN -35.729  PHAZ INCO 22.4 70.7  20.8 78.3  81.1 74.1  31.7 83.4  73.4 75.6  60.0 70.5  65.6 76.7  75.0 84.6  76.7  77.0 90.7	37.8 33.6 3 8 8 8 8826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7 32.2 55.0 32.2 55.0 35.9 44.7 35.9 39.7 36.3 36.2 58.4 30.5 56.5 30.2 58.4 30.5 56.5	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 37.7 50.6 38.5 37.7 32.5 42.5 42.5 42.5 42.5 42.5 43.6	PTH -74.742 1  SCALE 0. 227.87229 144.99528 21.31.92722 182.55914 21.92722 182.55914 21.92722 182.55914 228.7725 21.0120 186.58504 238.7725 21.12.291.102 228.98725 299.1105	AZ 117-128 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 5-11-12 3-12-13
JULY 31,1964 13 HR 8 MIA 55  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 1 12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.48.9 2327.46375 4 -10.389 -6.668 24/3.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12.464 2392.68946 7 -10.527 -13.849 2327.46375 8 -8.457 17.294 2258.18643 9 -8.193 -11.007 2371.47070 10 -7.909 -3.051 2548.41550 11 -13.200 -1.018 2620.59528 12 -19.750 2.920 27.55.67163 13 -19.006 -7.520 2521.36861 14 -18.646 -14.955 2379.59909	AZS/C -60.2 -64.1 -66.9 -70.9 -62.0 -56.8 -66.9 -73.7 -76.3 -68.1 -55.2 -48.8	AZN 10.8 12.9 10.0 11.6.7 14.0 10.0 7.9 11.0 10.3 15.1 21.8 18.2 214.9	-62.3 SEC TO 1013. AZ SUN -85.6 -85.3 -83.3 -84.9 -69.1 -85.3 -83.3 -84.9 -84.0 -84.0 -84.0	22.4  TAB NO  IMPACT.679  AZA 28.8 25.9 24.0 20.7 27.6 31.2 24.0 22.5 19.1 16.0 22.5 19.1 32.9 36.8	37.65791 36.89242 3 ALT 2091.13651 39.43588 39.43588 39.47835 37.96797 40.32939 41.72305 39.01904 37.96797 36.72872 38.63612 41.39348 42.69742 44.99142 44.991348 44.991348 44.991348 44.991348	C.795 -90 0.836 -8  ATLAS F  LAT -3.313  B.691 -9 0.684 -9 0.684 -9 0.77C -8 0.637 -8 0.731 -8 0.731 -8 0.525 -9 0.525 -9 0.6447 -9 0.604 -9 0.604 -9 0.604 -9 0.604 -9 0.604 -9 0.604 -9	90.7 71.8 96.0 70.5 PHOTO NO  LCN -35.729  PHAZ INCO 12.4 70.7  0.8 78.3  81.1 74.1  13.7 83.4  13.7 83.4  13.7 83.6  14.9  15.6 76.7  16.8 86.1  74.1  16.0 70.5  16.6 86.8  16.7  17.0 90.7  16.4 80.8  16.8  17.0 90.7	37.8 33.6 3 8 8 8826.592 PHAZ EMTS 34.0 46.8 35.9 39.7 32.1 55.0 35.9 44.7 37.8 33.6 34.1 43.1 36.2 58.4 36.2 58.4 36.2 58.3 36.2 58.3 36.2 58.3 36.2 58.3 36.2 58.3 36.3 59.3 36.3 59.3 3	33.0 32.5 POD S 1.937 ALPHA 31.6 43.6 33.6 33.6 37.7 48.7 50.6 38.5 37.7 42.5 54.2 56.3 45.0 33.2	PTH74.742 1  SCALE 0. 227.8272.213.224.84 231.01206.165.1725-120.51604 188.58504 231.3228.98722-127.22731228.9872-2299.11052	AZ 117-028 PT-PT 0-1 11-2 2-3 13-4 4-5 16-7 18-1-2 18-1-2 18-1-2 18-1-18 18-18
JULY 31,1964 13 HR 8 MIN 55  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 1 -12.179 -17.376 2278.31949 2 -13.102 -9.725 2423.55450 3 -10.527 -13.449 2327.46375 4 -10.389 -6.668 2473.05612 5 -16.048 -4.536 2557.70245 6 -15.811 -12.464 2392.68948 7 -10.527 -13.849 2327.46375 8 -8.457 -17.249 2258.18643 9 -8.193 -11.007 2371.47070 10 -7.909 -3.051 2548.41550 11 -13.200 -1.018 2620.59628 12 -19.750 2.920 2765.67163 13 -19.000 -7.520 2521.30685	AZS/C -60-2 -64-1 -66-9 -70-9 -62-0 -56-8 -66-9 -69-7 -73-7 -73-7 -73-7 -74-8 -60-1 -55-2 -48-8 -58-8	AZN 10.0 11.6 16.7 14.0 7.9 9.1 10.3 15.1 21.8	-62.3 SEC TO 1013. AZSUN -85.6 -85.3 -84.9 -89.1 -65.3 -83.3 -82.3 -83.0 -84.0 -84.0 -88.9 -82.2	22.4  TAB NO  IMPACT. 679  AZA 28.8 25.9 24.0 20.7 27.6 31.2 24.0 22.5 19.1 16.0 22.5 19.1 432.9 36.8 29.4	37.465791 36.89242 3 ALT 2091.13651 A. 39.43588 39.57835 37.96797 4C.32939 41.72305 39.01904 37.96797 36.72872 38.63612 41.39348 42.69742 44.96159 41.05501 38.63753 37.49122	C.795 -90 C.836 -8  ATLAS F  LAT -3.313 B/A AZP C.684 -9 C.674 -9 C.712 -9 C.717 -8 C.717 -8 C.717 -8 C.717 -9 C.718 -9	PHOTO NO  LCN -35.729  PAZ INCO 22.4 70.7  PO.8 78.3  8.1 74.1  33.7 83.4  75.8  8.1 74.1  6.0 70.5  55.6 76.7  60.8 8.6.7  77.0 90.7  77.0 90.7  77.0 90.7  77.0 70.7	37.8 33.6 3 8 8 8 8826.592 PHAZ EMIS 38.2 35.5 34.0 46.8 35.9 39.7 32.2 55.0 32.2 55.0 35.9 44.7 35.9 39.7 36.3 36.2 58.4 30.5 56.5 30.2 58.4 30.5 56.5	33.0 32.5 POD S V 1.937 ALPHA 31.6 43.6 37.7 50.6 38.5 54.2 56.3 45.0 33.0 33.0	PTH -74.742 1  SCALE 0. 227.87229 144.99528 21.31.92722 182.55914 21.92722 182.55914 21.92722 182.55914 228.7725 21.0120 186.58504 238.7725 21.12.291.102 228.98725 299.1105	AZ 117-028 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-8-9 9-10 10-11 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-12 11-14 11-14

	RA-VII CAMER	A FE			2
	TAB NO	. 4	ATLAS PHOTO NO	4 POI	SEQUENCE NO 11
JULY 31,1964 13 HR 9 MIN 0 SEC 241 MS		•			
TRAJECTORY DATA	SEC TO IMPACT 1008.559		LAT LCN 7 -3.331 -35.694	R V	PTH AZ 38 -74.714 117.024
PHOTO DATA					
PT LAT LON RANGE AZS/C AZ 1 -12.171 -17.395 2268.06018 -60.2 10.		A* 39.25773		PHAZ EMIS ALPH 30.2 35.4 31.	6 0. 0-1
2 -13.101 -9.782 2412.51224 -64.1 12.	9 -85.3 25.9	39.39803	0.685 -90.8 78.2	34.0 46.7 43.	5 226.77150 <b>1-</b> 2
3 -10.539 -13.883 2316.99924 -66.8 10. 4 -10.401 -6.742 2461.59149 -70.8 11.		37.79727 40.14247		35.9 39.7 37. 32.1 49.9 48.	
5 -16.033 -4.627 2545.68860 -62.0 16.		41.52709	0.575 -93.7 83.4	32.2 54.9 50.	5 181.63483 4- 5
6 -15.799 -12.506 2381.89615 -56.8 13.		30.84306	0.712 -93.4 75.8	35.9 44.6 38.	
7 -10.539 -13.883 2316.99924 -06.8 10. 8 -8.477 -17.311 2248.08643 -69.6 7.		37.79727 36.56447		35.9 39.7 37. 37.8 33.5 32.	
9 -8.214 -11.056 2360.67325 -73.6 9.		38.46028		34.1 43.1 42.	4 187.62111 8- 9
10 -7-932 -3.150 2536.25885 -76.3 10.		41.19621	0.584 -85.2 84.5	30.4 54.4 54.	1 237.26074 9-10
11 -13.198 -1.133 2607.94174 -68.1 15. 12 -19.713 2.759 2751.57748 -60.1 21.		44.73254	0.527 -90.9 86.6	30.2 58.3 56.	2 170.41066 10-11 1 227.39275 11-12
13 -18.978 -7.593 2509.63705 -55.2 18.		40.86510	0.605 -96.4 80.7	34.2 52.9 44.	9 296.63853 12-13
14 -18.621 -14.986 2368.90146 -48.8 14.		38.46411		37.9 43.7 33.	
15 -13.114 -16.423 2290.70935 -58.5 10. 16 -8.477 -17.311 2248.08643 -69.6 7.		37.32393 36.56447	0.795 -90.7 71.8 0.837 -86.0 70.5	37.7 37.5 33. 37.8 33.5 32.	0 171.99476 14-15 4 142.89395 15-16
16 -8.477 -17.311 2248.08843 -09.6 7.					
	rab no	5	ATLAS PHOTO NO	5 POI	SEQUENCE NO 13
JULY 31,1964 13 HR 9 MIN 5 SEC 361 MS					
TRAJECTORY DATA	SEC TO IMPACT 1003.439	ALT 2071.9895	LAT LCN 9 -3.349 -35.659	R V	PTH AZ 140 -74.687 117.019
PHOTO DATA					
PT LAT LON RANGE AZS/C AZ	N AZ SUN AZ A		B/A AZPHAZ INCD		
1 -12.162 -17.413 2257.79227 -60.1 10.	8 -85.6 28.8	39.07776		38.2 35.4 31. 34.0 46.7 43.	
2 -13.101 -9.843 2401.35492 -64.1 12. 3 -10.550 -13.921 2306.44431 -66.8 10.		39.21582		35.9 39.6 37.	
4 -10.413 -6.822 2449.99442 -70.8 11.		39.95339	0.645 -88.0 80.9	32.1 49.9 48.	6 211.48022 3- 4
5 -16.018 -4.724 2533.52188 -61.9 16.	6 -89.0 27.7	41.32863	0.517 -93.7 83.3	32.2 54.8 50.	3 180.69312 4- 5 3 228.17988 5- 6
6 -15.786 -12.554 2371.00143 -56.7 13. 7 -10.550 -13.921 2306.44431 -66.8 10.		38.66543 37.62510		35.9 44.6 38. 35.9 39.6 37.	
8 -8.498 -17.333 2237.91351 -69.6 7.		36.39904		37.8 33.5 32.	4 119.35983 7- 8
9 -8.237 -11.110 2349.77167 -73.5 9.		38.28275	0.732 -65.7 76.6	34.1 43.0 42.	4 186.63398 8- 9
10 -7.956 -3.255 2523.94510 -76.2 10.		40.99640	0.586 -85.2 84.4	30.4 54.3 53. 30.3 58.2 56.	
11 -13.196 -1.256 2595.10843 -68.1 15. 12 -19.675 2.588 2/37.25995 -00.1 21.	088.8 _ 22.6 7	42.28217		30.5 65.2 59.	
13 -18.949 -7.673 2497.83267 -55.2 18.		40.67301	0.606 -96.4 80.6	34.2 52.8 44.	
14 -18.596 -15.021 2358.12210 -48.8 14.		38.28923	0.727 -95.8 73.7	37.9 43.6 33.	
15 -13.114 -16.449 2280.36264 -58.5 10. 16 -8.498 -17.333 2237.91351 +69.6 7.		37.15535 36.39904		37.7 37.4 32. 37.8 33.5 32.	
16 -6.496 -17.555 2257.41551 -67.6 7				•	
JULY 31,1964 13 HR 9 MIN 10 SEC 481 MS	TAB NO	6	ATLAS PHOTO NO	6 PO	D SEQUENCE NO 15
			1.47	R 1	V PTH AZ
TRAJECTORY DATA	SEC TO IMPAC 998.319	T ALT 2062.4057	LAT LCN C -3.367 -35.624		942 -74.660 117.014
PHOTO DATA	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	200211031			
PT LAT LON RANGE AZS/C AZ	N AZSUN AZA	A *		PHAZ EMIS ALPI	
1 -12.153 -17.430 2247.51547 -60.1 10. 2 -13.101 -9.905 2390.19400 -64.0 12.		38.89772		38.2 35.4 31. 34.0 46.6 43	
3 -10.562 -13.960 2295.88376 -66.7 10.		37.45283		35.9 39.6 37	.6 142.70290 2- 3
4 -10.425 -6.902 2438.39694 -70.7 11.	6 -84.8 20.8	39.76431	0.646 -88.0 80.9	32.2 49.8 48	
5 -16.003 -4.821 2521.35757 -61.9 16.		41.13021		32.2 54.7 50	
6 -15.774 -12.601 2360.10123 -56.7 13.7 -10.562 -13.960 2/95.88376 -66.7 10.		38.48771 37.45283		35.9 44.5 38 35.9 39.6 37	
8 -8.519 -17.354 2227.73419 -69.5 7.		36.23350	0.837 -86.0 70.5	37.8 33.5 32	.4 118.77564 7- 8
9 -8.259 -11.164 2338.86639 -73.5 9	2 -83.0 19.3	36.10516	0.733 -85.7 76.6	34.1 43.0 42	.3 185.64844 8- 9
10 -7.980 -3.360 2511.63730 -76.2 10.		40.79669		30.4 54.2 53	.8 234.15631 9-10 .9 168.60319 10-11
11 -13.194 -1.378 2562.28491 -268.0 15 12 -19.637 2.419 2722.97278 -60.0 21	.O88.7 22.6 6 82.8 29.5	42.07324			.7 224.14511 11-12
13 -18.921 -7.752 2486.02725 -55.2 18		40.48090	0.607 -96.4 80.6	34.2 52.7 44	.7 291.56799 12-13
14 -18.570 -15.057 2347.33646 -48.8 14		36.11424	0.727 -95.8 73.6	38.0 43.6 33	
15 -13.114 -16.475 2270.00916 -58.5 10 16 -8.519 -17.354 2227.73419 -69.5 7		36.98665 36.23350		7 37.7 37.4 32 5 37.8 33.5 32	
16 -8.519 -17.354 2327.73419 -69.5 7	7 -02.4 22.0	30.23350	0.031 -00.0 10.		

					RA-VI	I CAMER	A FE							3
JULY 31,19	64 13 H	R 9 MIN 15	SEC 600	MS		TAB NO	7	ATL	AS PHOTO	NO NO	7	POD :	SEQUENCE NO	17
TRAJECTOR	Y DATA				SEC TO		AL T	LA	T L	CN	R	٧	PTH	ΑZ
PHOTC DAT	A		71		993.	199	2052.81491	-3.	385 -35	.588	3788.270	1.943	-74.632 11	7.010
PT LAT	LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A.	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
1 -12.144	-17.448	2237.22986	-60.1	10.8	-85.5	28.9	38.71668	0.694	-92.4	70.7	38.2 35.3	31.5		0- 1
						26.0	38.85023	883.0	-90.8	78.0	34.0 46.5	43.3	222.93327	1- 2
3 -10.574	-14.001	2285.26971	-66.7	10.0	-83.2	24.2	37.27970			73.9	35.9 39.5	37.5	141,92365	2- 3
4 -10.437 5 -15.988	-6.985	2426.72220	-70.7	11.6		20.9	39.57398		-88.0	80.8	32.2 49.7	48.4	208.98837	3- 4
	-12 451	2509.11240 2349.14676	-61.6	16.5	-88.9	27.7	40.93048	0.580	-93.7	83.1	32.2 54.6	50.1		
7 -10 574	-14 001	2349.14676 2285.26971	-56.7	13.9	-85.2	31.3	38.30910	0.715	-93.4	75.6	36.0 44.4			5- 6
8 -8.540	-17.379	2217.50992	-60.1	7.9			37.27970	0.772	-88.2	73.9	35.9 39.5		162.10537	
9 -8-281	-11-221	2327.89737	-73 4	9.2	-82.2 -83.0		36.06724 37.92653			70.4	37.9 33.5	32.3		7-8
10 -8.004	-3.469	2499.23679	-76.2	10.3	-83 0	14 3	40.59548			76.5	34.1 42.9	42.2		8- 9
11 -13.192	-1.503	2569.36459	-68-0	15.0	-88.6	22 7	41.86274	0.509	-00.0	04.2	30.4 54.0	53.7	232.58390	9-10
12 -19.599	2.246	2708.58401	-60.0	21.6	82.9	29.5	44.03383	0.428	-97.0	90.0	30.6 64.8	22.8	167.69378	10-11
13 -18.893	-7.834	2474.15411	-55.2	18.0	-88.9	33.0	40.28770	0.409	-96.4	80.5	34.3 52.6	24.2	222.52262	
14 -18.545	-15.095	2336.50565	~48.8	14.7	-85.0	36.8	37.93853	0.728	-95.8	73 4	38.0 43.5	44.6 33.0	289.01815 208.52317	
15 -13.114	-16.503	2259.61087	-28.4	10.8	-83.2	29.6	36.81723			71 7	37.8 37.4	32.8	169.54379	
16 -8.540	-17.378	2217.50992	-69.5	7.9	-82.2	22.7	36.06724	0.838	-86.1		37.9 33.5	32.8	140.96834	
HILV 31 10						TAB NO	8		AS PHOTO		8		SEQUENCE NO	
JULY 31,19		K A LIN SO	SEC 720	M2										
TRAJECTOR	Y DATA					IMPACT		LAT	T L	GN	R	v	PTH	AZ
PHOTO DAT	A					019	2045.21701	. 3.	103 -35	557	3778.672	1.945	-74.604 11	7.005
PT LAT	LON	RANGE 2226.93530 2367.62698	AZSZC	ΔZN	AZ SIIN	A 7 A	۸.	6/4	A Z D LLA Z	TAICO	PHAZ EPIS			
1 -12.135	-17.466	2226.93530	-60.0	10.8	-85.5	28.9	38.53380	0.695	-92 4	70 7	30 3 3E 3	ALPHA		PT-PT
2 -13.102	-10.039	2367.62698 2274.56219	-64.0	12.8	-85.2	26-0	38.66502	0.680	-90 8	70 0	34.0 46.5	21.2	0. 221.43913	0- 1
3 -10.587	-14.047	2274.56219	-66.6	10.0	~B3.2	24.2	37-10504	0.773	-86.2		35.9 39.5		141.12640	
4 -10.451	-1.014	4414.70101	-/0.0	11.0	-84./	20.9	39.38135	0.649	-88 <sub>-</sub> 0	80.7	32.2 49 4	40 3	207 40500	3- 4
5 -15.974							40.72831	0.581	-93.7	83.0	32-2 54-5	50-0	177.84816	4- 5
6 -15.750	-12.706	2338.09708 2274.56219 2207.20837 2316.81509	-56.6	13.8	-85.2	31.3	38.12895	0.715	-93.4	75.6	36.0 44.4	38-1	223.80091	5- 6
7 -10.587	-14.047	2274.56219	-66.6	10.0	-83.2	24.2	37.10504	0.773	-88.2	73.9	35.9 39.5		161.32719	
8 -8.562	-17.406	2207.20837	-69.4	7.9	-82.2	22.7	35.89972	0.838	-86.1	70.4	37.9 33.4			7- 8
9 -8.305	-11.283	2316.81509	-73.4	9.2	-83.0	19.4	37.74607	0.735	-85.7	76.5	34.1 42.8	42.2	183.62313	8- 9
10 -0.029							40.39146	0.591	-06 2	0 / 1	30 / 53 0	F 2 4	220 01110	
11 -13.191	-1.637	2556,26096	6.7.9	15.0	-98.6	22.7 .	41.64926	0.534	-90.9	86.1	30.3 57.8	55.6	166.77057	10-11
12 -19.562 13 -18.865			-60.0	41.5	-40.4	29.5	43.19003	0.431	-97.0	89.9	30.6 64.6	59.2	220.87646	11-12
	-7.923	2462.15839		17.9		33.0	40.09251		-96.4		34.3 52.5	44.4	286.39531	
	-15.157	2325.59732 2249.13605	-48.7	14.7	-85.0	36.8	37.76157		-95.8		38.0 43.5	32.9	207.24382	
	-17 404	2207.20837	-58.4	10.8		29.6	36.64655		-90.7	71.7	37.8 37.3	32.8		
.0 0.302	-11.400	2201.20031	-09.4	1.9	-82.2		35.89972	0.838	-86.1	70.4	37.9 33.4	32.3	140.32044	15-16
JULY 31,19	64 13 HF	9 MIN 25	SEC 840	MS		TAB NO	9	ATL	AS PHOTO	NO	9	POD S	SEQUENCE NO	21
TRAJECTOR	Y DATA				SEC TO	IMPACT	ALT	LAT	r La	ON	R	٧	PTH .	AZ
PHOTO DATA	A				982	959	2033.61200	-3.4				1.947	-74.577 11	7.000
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	Δ*	B/A	AZPHAZ	INCD	PHAZ EMIS	AL PHA	SCALE	PT-PT
1 -12.126	-17.483	2216.63174	-60.0	10.8	-85.5	28.9	38.35106	0.696	-92.4		38.3 35.3		O.	0-1
2 -13.103	-10.109	2356.28458	-63.9	12.8	-85.1	26.1	38.47979			77.0	34.1 46.4	43-1	219.95515	1- 2
3 ~10.600	-14.093	2263.85092	-66.6	10.0	-83.2	24.3	36.93031	0.773	-88.2	73.8			140.33090	
4 -10.464	-7.163	2403.09479	-70.6	11.6	-84.7	21.0	39.18877		-88.0	80.6		48.2	206.40866	
5 -15.960	-5.134	2484.33035	-61.8	16.5	-88.8	27.8	40.52625	C.583	-93.7	82.9	32.3 54.4			4- 5
6 -15.739	-12.761	2327.04398	-56.6	13.8	-85.2	31.3	37.94874		-93.4	75.5	36.0 44.3	38.0		5- 6
7 -10.600	-14.093	2263.85092	-66.6		-83.2	24.3	36.93031		-88.2	73.8	35.9 39.4		160.54886	6- 7
8 -8.584	-17.435	2196.90176	-69.3	7.9	-82.2		35.73212		-86.1	70.4	37.9 33.4	32.2	116.97916	7- 8
9 -8.328	-11.345	2305.73148	-73.3	9.2	-83.0	19.5	37.56558	0.736	-85.7	76.4	34.2 42.7	42.1		8- 9
10 -8.054	-3.700	2474.09988	-76.0	10.3	-83.9	16.4	40.18762	0.593	-85.2	83.9	30.5 53.8	53.4	229.34946	9-10
11 -13.190	-1.769	2543.17264	-67.9	14.9	-88.5		41.43602	0.537		86.0	30.3 57.6	55.4	165.85024	10-11
12 -19.524	1.884	2679.42941	-60.0				43.56005	0.434	-97.0	89.7	30.6 64.4	59.0	219.24740	11-12
13 -18.837	-8.011	2450.16455		17.9	-88.8		39.89735		-96.4		34.3 52.4	44.3	283.80494	
14 -18.496	-15.180			14.7	-85.0	36 • 8	37.58453		-95.8	73.5	38.0 43.4	32.8	205.96947	13-14
15 -13.117 16 -8.584	-16.569	2238.65576	-58.4	10.8	-83.2	29.7	36.47579		-90.7	71.6	37.8 37.3	32.7	167.89618	14-15
10 -8.584	-17.435	2196.90176	-69.3	7.9	-82.2	22.8	35.73212	0.838	-86.1	70.4	37.9 33.4	32.2	139.67216	15-16

	RA-VII CAMER	A FE			4
					POD SFOUENCE NO 23
JULY 31,1964 13 HR 9 MIN 30 SEC 960 MS	TAB NO	10	ATLAS PHOTO NO	10	POD SEQUENCE NO 23
TRAJECTORY DATA	SEC TO IMPACT	ALT	LAT LCN	R	V PTH AZ
	977.839	2023.99982	-3.439 -35.481	3759.455	1.949 -74.549 116.995
PHOTO DATA PT LAT LON RANGE AZS/C AZN		Α.	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
1 -12.117 -17.501 2206.31912 -60.0 10.8		38.16915 38.29557		38.3 35.2 34.1 46.3	31.5 0. 0- 1 43.0 218.57343 1- 2
2 -13.104 -10.176 2345.00412 -63.9 12.8 3 -10.612 -14.136 2253.18430 -66.5 10.0		36.75632	0.774 -88.2 73.8	36.0 39.4	37.3 139.54887 2- 3
4 -10.477 -7.248 2391.36072 -70.5 11.6		38.99747		32.2 49.4	48.0 205.14743 3- 4 49.7 175.94721 4- 5
5 -15.946 -5.236 2472.03540 -61.8 16.4 6 -15.727 -12.812 2316.04102 -56.6 13.8		4C.32570 37.76935	0.585 -93.7 82.8 0.717 -93.4 75.5	32.3 54.3	38.0 220.85958 5- 6
7 -10.612 -14.136 2253.16430 -66.5 10.0	-83.2 24.4	36.75632	0.774 -88.2 73.6	36.0 39.4	37.3 159.77555 6- 7 32.2 116-38436 7- 8
8 -8.606 -17.460 2186.62863 -69.3 7.9		35.56506 37.38601	0.839 -86.1 70.4 0.736 -85.7 76.3	37.9 33.3 34.2 42.7	32.2 116-38436 7-8 42.0 181.59260 8-9
9 -8.352 -11.404 2294.70450 -73.3 9.2 10 -8.079 -3.811 2461.64035 -76.0 10.3		39.98545		30.5 53.7	53.3 227.77611 9-10
11 -13.189 -1.896 2530.20456 -67.9 14.0	-88.5 22.8	41.22474	0.539 -90.9 85.9	30.3 57.5	55.3 164.94310 10-11 58.8 217.66084 11-12
12 -19.487		43.32628	0.436 -97.0 89.5 0.613 -96.3 80.2	30.6 64.2 34.3 52.3	58.8 217.66084 11-12 44.2 281.30116 12-13
14 -18-472 -15-219 2303-81210 -48-7 14-1		37.40814	0.730 -95.8 73.5	38.0 43.4	32.8 204.72116 13-14
15 -13.118 -16.599 2228.21106 -58.3 10.7		36.30561		37.8 37.2	32.7 167.07732 14-15 32.2 139.02629 15-16
16 -8.606 -17.460 2186.62863 -69.3 7.9	-82.2 22.9	35.56506	0.839 -86.1 70.4	37.9 33.3	
	TAB NO	11	ATLAS PHOTO NO	11	POD SEQUENCE NO 25
JULY 31,1964 13 HR 9 MIN 36 SEC 80 MS					
TRAJECTORY DATA	SEC TO IMPACT		LAT LON	R	V PTH AZ 1.950 -74.521 116.990
PHOTO DATA	972.719		2 -3.458 -35.444	3/49.836	
PT LAT LON RANGE AZS/C AZI	AZSUN AZA	Α+		PHAZ EMIS	ALPHA SCALE PT-PT
1 -12.108 -17.519 2195.99768 -59.9 10.		37.98849 38.11271		38.3 35.2	31.4 0. 0- 1 42.9 217.32442 1- 2
2 -13.104 -10.238 2333.80667 -63.8 12.6 3 -10.625 -14.175 2242.57874 -66.5 10.6		36.58332	0.774 -88.2 73.7	36.0 39.3	37.3 138.78378 2- 3
4 -10.490 -7.328 2379.72992 -70.5 11.		38.80784		32.2 49.3	48.0 203.91896 3- 4 49.6 175.01740 4- 5
5 -15.932 -5.332 2459.86166 -61.7 16. 6 -15.716 -12.860 2305.10629 -56.5 13.		4C.12713 37.59106		32.3 54.2	49.6 175.01740 4-5 37.9 219.44856 5-6
6 -15.716 -12.860 2305.10629 -56.5 13. 7 -10.625 -14.175 2242.57874 -66.5 10.		36.58332	0.774 -88.2 73.7	36.0 39.3	37.3 159.00896 6- 7
8 -8.628 -17.482 2176.40204 -69.2 7.	9 -82.2 22.9	35.39875	0.839 -86.1 70.4		32.2 115.79997 7- 8 41.9 180.60661 8- 9
9 -8.375 -11.459 2283.75372 -73.2 9. 10 -8.103 -3.916 2449.31461 -75.9 10.		37.2076B 39.78543		34.2 42.6	53.2 226.25047 9-10
10 -8.103 -3.916 2449.31461 -75.9 10. 11 -13.188 -2.017_2517.39087 -67.8 14.		41.01598	0.540 -90.9 85.6	30.4 57.4	55.2 164.05248 10-11
12 -19.451 1.547 2650.87585 -59.9 21.		43.09601		30.6 64.1	58.6 216.12314 11-12 44.1 278.89939 12-13
13 -18.781 -8.174 2426.42798 -55.1 17. 14 -18.447 -15.255 2292.99719 -48.7 14.		39.51109 37.23268		38.0 43.3	32.7 203.50516 13-14
15 -13.119 -16.625 2217.81598 -58.3 10.	7 -83.2 29.8	36.13624	C.798 -90.7 71.6	37.8 37.2	32.6 166.26500 14-15
16 -8.628 -17.482 2176.40204 -69.2 7.	9 -82.2 22.9	35.39875	0.839 -86.1 70.4	37.9 33.3	32.2 138.38422 15-16
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TAB NO	12	ATLAS PHOTO NO	12	POD SEQUENCE NO 27
JULY 31,1964 13 HR 9 MIN 41 SEC 200 MS					
TRAJECTORY DATA	SEC TO IMPAC 967.599	T ALT 2004.7541	LAT LON 8 -3.476 -35.408	R 3740 206	V PTH AZ 3 1.952 -74.493 116.985
PHOTO DATA	967.599	2004-7541			
PT LAT LON RANGE AZS/C AZ		A •		PHAZ EMIS	ALPHA SCALE PT-PT 31.4 0. 0-1
1 -12.099 -17.537 2185.66699 -59.9 10. 2 -13.105 -10.299 2322.60559 -63.8 12.				5 38.3 35.2 7 34.1 46.2	42.9 216.08300 I- 2
3 -10.637 -14.214 2231.96765 -66.4 10.	0 -83.2 24.5	36.41023	0.775 -88.2 73.	7 36.0 39.3	37.2 138.01995 2- 3
4 -10.502 -7.408 2368.09879 -70.4 11.	6 -84.7 21.2	38.61820		4 32.3 49.2	47.9 202.69433 3- 4 49.5 174.08872 4- 5
5 -15.917 -5.428 2447.68997 -61.7 16. 6 -15.704 -12.907 2/94.16608 -56.5 13.		39.92858 37.41269	0.588 -93.7 82.0 0.718 -93.4 75.0	6 32.3 54.1 4 36.0 44.1	49.5 174.08872 4- 5 37.8 218.04336 5- 6
6 -15.704 -12.907 2/94.16608 -56.5 13. 7 -10.637 -14.214 2/31.96765 -66.4 10.				7 36.0 39.3	37.2 158.24202 6- 7
8 -8.650 -17.504 2166.16916 -69.1 8.	0 -82.2 23.0	35.23234	0.839 -86.1 70.	3 37.9 33.3	32.1 115.21580 7- B
9 -8.397 -11.513 2272.79926 -73.1 9.				2 34.2 42.5 6 30.5 53.4	72
10 -8.127 -4.021 2436.99475 -75.9 10. 11 -13.187 -2.138 2504.58624 -67.8 14.			0.542 -90.9 85.	6.30.4.57.2	55.0 163.16372 10-11
12 -19.414 1.384 2636.73337 -59.9 21.	3 -96.2 29.6	42.86617	0.442 -97.0 89.	2 30.6 63.9	58.4 214.59847 11-12
13 -18.753 -8.252 2414.60828 -55.0 17.				1 34.3 52.1 4 38.1 43.3	
14 -18.423 -15.290 2282.17557 -48.7 14. 15 -13.119 -16.651 2207.41400 -58.2 10.		35.96675	0.798 -90.7 71.	5 37.8 37.2	32.6 165.45219 14-15
16 -8.650 -17.504 2166.16916 -69.1 8.		35.23234	0.839 -86.1 70.	3 37.9 33.3	

			RA-V 1	I CAMER	A FB						5
JULY 31,1964 13 HR 9 MIN 46 S	SEC 320	MS		TAB NO	13	ATLAS	S PHOTO NO	13	POD S	EQUENCE NO	29
TRAJECTORY DATA			SEC TO	I PPACT	ALT	LAT	LCN	R	v	PTH	ΑZ
PHOTO DATA				.480	1995.1206					-74.464 11	
PT LAT - LON RANGE	AZS/C	AZN	AZ SUN	AZA	Δ.	B/A 4	ZPHAZ TÑC	D PHAZ EMIS	AI PHA	SCALE	PT-PT
1 -12.090 -17.555 2175.32733		10.7	-85.4	29.1	37.62659	0.699	-92.4 70.	6 38.3 35.2		0.	0- 1
	-63.8	12.8	-85.1	26 • 2	37.74645		-90.8 77.	6 34.1 46.1		214.81883	1- 2
	-66.4 -70.4	10.0	-83.2 -84.6	24.5	36.23678 38.42816		-88.2 73. -88.0 80.	7 36.0 39.2 3 32.3 49.1	37.2 47.8	137.25331	2- 3
5 -15.903 -5.525 2435.49042	-61.7	16.3	-88.6		39.72959			5 32.3 54.0		173.15781	3- 4 4- 5
	-56.5	13.7	-85.1	31.4	37.23391	0.719	-93.4 75.	3 36.1 44.1	37.8	216.63539	5- 6
	-66.4 -69.1	10.0	-83.2	24.5	36.23678			7 36.0 39.2	37.2	157.47255	6- 7
	-73.1	8.0 9.2	-82.2 -82.9	23.0 19.8	35.06562 36.85051	0.839		3 38.0 33.3 2 34.2 42.5	32.1 41.8	114.62933	7- 8
10 -8.151 -4.126 2424.65045	-75.8	10.4	-83.8	16.7	39.38518	C.599		5 30.5 53.3	53.0	178.63471 223.21297	8- 9 9-10
11 -13.185 -2.259 2491.75540	-67.7		-88.3	23.0	40.59832	C.544	-90.9 85.	5 30.4 57.1	54.9	162.27305	
	-59.8	21.2	-96.0		42.63598	0.444	-97.0 89.	1 30.7 63.7	58.2	213.07678	
	-55.0 -48.7	17.7	-88.6 -85.0	33.1 36.8	39.12594 36.88113			0 34.4 52.0	43.9	274.15185	
15 -13.120 -16.678 2196.99060		10.7	-83.2	29.8	35.79692			4 38.1 43.2 5 37.9 37.1	32.6 32.5	201.07714	
16 -8.671 -17.527 2155.91690	-69.1	8.0	-82.2	23.0	35.06562	0.839		3 38.0 33.3	32.1	164.63716 137.09730	
				TAB NO							
JULY 31,1964 13 HR 9 MIN 51 S	SEC 440	MS		TAB NO	14	ATLA:	S PHOTO NO	14	POD S	SEQUENCE NO	31
TOAJECTORY DATA											
THATELINEY OATA				IMPACT	ALT 1005.47061	LAT	LON	R	٧	PTH	AZ
PHOTO DATA			951	•300	170515.554	-3.61	4 -35.335	3720.93	1.955	-74.436 11	6.976
PT LAT LCN RANGE	AZS/C	AZN	AZSUN	AZA	Α.	B/A A	ŽPHAZ ĪNC	D PHAZ EMIS	AI PHA	SCALE	PT-PT
	~59.8			29.1	37.44500	0.700	-92.4 70.	6 38.3 35.1		0.	0-1
		12.8	-85.0		37.56269	C.694	-90.8 77.	6 34.1 46.0	42.7	213.53147	1- 2
	-66.3 -70.3	10.0	-83.2 -84.6	24.6	36.06296			6 36.0 39.2	37.1	136.48380	2- 3
	-61.6	16.3	-88.5	27.9	38.23768 39.53013			2 32.3 49.0 4 32.3 53.9	47.7	200.23589	3- 4
6 -15.679 -13.004 2272.21069	-56.5	13.7	-85.1	31.4	37.05472			3 36.1 44.0	49.2 37.7	215.22440	4- 5 5- 6
	-66.3	10.0	-83.2	24.6	36.06296	0.776	-88.2 73.	6 36.0 39.2		156.70074	6- 7
	-69.0	8.0	-82.2	23.1	34.89857			3 38.0 33.2		114.04049	7- 8
	-73.0 -75.8	9.2 10.4	-82.9 -83.8	19.8 16.8	36.67137 39.18444			1 34.2 42.4	41.7	177.64430	8- 9
	-67.7	14.9	88.2	23.0	40.38883			4 30.5 53.2 4 30.4 57.0	52.8 54.7	221.69160 161.38018	9-10
12 -19.340 1.056 2608.38382	-59.8	21.1	-95.9	29.6	42.40544			9 30.7 63.6	58.0	211.55813	
	-55.0	17.7	-88.6	33.1	38.93268		-96.3 79.	9 34.4 51.9	43.8	271.78731	12-13
	-48.6 -58.2	14.5 10.7	-85.0 -83.2	36.8	36.70476		~95.8 73.	3 38.1 43.2	32.6	199.85798	
	-69.0		-62.2	29.8 23.1	35-62672 34-89857			5 37.9 37.1 3 38.0 33.2	32.5	163.81954	
									32.0		•••
JULY 31,1964 13 HR 9 MIN 56 S	SEC 560	MS		TAB NO	15	ATLAS	PHOTO NO	15	POD S	EQUENCE NO	33
TRAJECTORY DATA			SEC TO	IMPACT	ALT	LAT	LCN	R	v	PTH	AZ
NUCTO DATA			952	240	1975.83163	3 -3.53	2 -35.297			-74.407 11	6.971
PHOTO DATA PT LAT LON RANGE	61515	4.74	42011				70.44				
1 -12.073 -17.590 2154.62036	AZS/C	AZN 10.7	AZSUN -85.4	AZA 29.1	A+ 37.26333			D PHAZ EMIS			PT-PT
	-63.7	12.8	-85.0		37.37888		-92.4 70. -90.8 77.	5 38.3 35.1 5 34.2 46.0	31.3 42.6	212.25203	_0 <u>1</u> 12
3 -10.673 -14.334 2200.01727	-66.3	10.0	-83.1		35.88905	0.776		6 36.0 39.1	37.1	135.71568	
	-70.3	11.6	-84.6	21.3	38.04721	0.657	-88.0 80.	1 32.3 48.9	47.6	199.00913	3- 4
	-61.6	16.3	-88.5	28.0	39.33072			3 32.4 53.7	49.1	171.29183	4- 5
	-56.4 -66.3	13.7	-85.1 -83.1	31.5 24.6	36.87544 35.88905			3 36-1 44-0	37.6	213.81954	5- 6
	-68.9	8.0	-82.2	23.2	34.73143			6 36.0 39.1 3 38.0 33.2	37.1 32.0	155.92871	. 6 <del>.</del> 7.
9 -8.465 -11.680 2239.81806	-73.0	9.2	-82.9	19.9	36.49217			1 34.3 42.4	41.6	176.65550	7- 8 8- 9
	-12.0							7 . 7 . 7			
	-75.7	10.4	-83.8	16.9	38.98382	0.603	-85.3 83.	3 30.5 53.1	52.7	220.17824	9-10
11 -13.181 -2.502 2466.04941	-75.7 -67.7	10.4 14.8	-88.2	23.1	40.17951	0.548	-90.9 85.	3_30.4 56.9	54.6	160.48926	10-11
11 -13.181 -2.502 2466.04941 12 -19.303 0.893 2594.22504	-75.7 -67.7 -59.8	10.4 14.8 21.1	-88.2 -95.7	23.1 29.7	40.17951 42.17533	0.450	-90.9 85. -97.0 88.	3 <u>30.4 56.9</u> 7 30.7 63.4	54.6 57.8	160.48926 210.05218	10-11 11-12
11 -13.181 -2.502 2466.04941 12 -19.303 0.893 2594.22504 13 -18.668 -8.492 2379.00763	-75.7 -67.7 -59.8 -55.0	10.4 14.8 21.1 17.6	-88.2 -95.7 -88.5	23.1 29.7 33.1	40.17951 42.17533 38.73940	0.548 0.450 0.619	<u>-90.9 85.</u> -97.0 88. -96.3 79.	3 30.4 56.9 7 30.7 63.4 9 34.4 51.8	54.6 57.8 43.7	160.48926 210.05218 269.44733	10-11 11-12 12-13
11 -13.181	-75.7 -67.7 -59.8 -55.0 -48.6 -58.1	10.4 14.8 21.1 17.6 14.5	-88.2 -95.7 -88.5 -85.0	23.1 29.7 33.1 36.8	40.17951 42.17533 38.73940 36.52829	0.548 0.450 0.619 0.733	-90.9 85. -97.0 88. -96.3 79. -95.8 73.	3 30.4 56.9 7 30.7 63.4 9 34.4 51.8 3 38.1 43.1	54.6 57.8 43.7 32.5	160.48926 210.05218 269.44733 198.64261	10-11 11-12 12-13 13-14
11 -13.181	-75.7 -67.7 -59.8 -55.0 -48.6 -58.1	10.4 14.8 21.1 17.6	-88.2 -95.7 -88.5	23.1 29.7 33.1	40.17951 42.17533 38.73940 36.52829	0.548 0.450 0.619 0.733 0.800	-90.9 85. -97.0 88. -96.3 79. -95.8 73. -90.7 71.	3 30.4 56.9 7 30.7 63.4 9 34.4 51.8	54.6 57.8 43.7 32.5 32.5	160.48926 210.05218 269.44733	10-11 11-12 12-13 13-14 14-15

	RA-VII CAMERA	FB							•
SEC 680 MS	TAB NO	16	ATLAS P	ното по	16	POD	SEQUENCE NO	) 3	į
	SEC TO IMPACT	AL T	LAT	LCN	p	e v	PTH	AZ	

		TAB NO	16	ATLAS PHOTO NO	16 POD	SEQUENCE NO 35
JULY 31,1964 13 HR 10 MIN 1 SE	C 680 MS					
TO 1 105 TODY (14 TA		SEC TO IMPACT			R V	PTH AZ
TRAJECTORY DATA		947-120		LAT LCN -3.551 -35.260		
PHOTO DATA		947.120	1966.17603	-3.551 -35.260	3/01.631 1.95	9 -/4.5/8 110.700
	ZS/C AZN	AZSUN AZA	A	B/A AZPHAZ INCD	DUAZ CHIC ALDUA	SCALE PT-PT
1 -12.064 -17.608 2144.25290 -		-85.3 29.2		0.702 -92.4 70.5		
2 -13.103 -10.546 2277.69952 -		-85.0 26.4	37.19644	0.696 -90.8 77.5	34.2 45.9 42.5	
	-66.2 10.0		35.71617	0.096 -90.0 11.5	36.1 39.1 37.0	
					32.3 48.9 47.5	197.81763 3- 4
			37.85852 39.13323	0.658 -88.0 80.1	32.3 48.7 41.9	
5 -15.857 -5.811 2398.93024 -	-56.4 13.7	-88.4 28.0 -85.1 31.5		0.331 -93.7 82.2	32.4 53.6 49.0 36.1 43.9 37.6	
	-66.2 10.0		36.69720 35.71617			155.16057 6- 7
						112.87322 7- 8
	-68.9 8.0	-82.1 23.2	34-56509			
	-72.9 9.2	-82.9 19.9	36.31432			
	-75.7 10.4	-83.8 16.9		0.604 -85.3 83.2	30.6 53.0 52.6	
11 -13.178 -2.617 2453.35895	61.6 14.8	38.1 23.1	39.97275	0.550 -90.9 85.2	30.4 56.7 54.5	
12 -19.265 0.739 2580.26794		-95.6 29.7	41.94849			
	-55.0 17.6	-88.5 33.1	38.54759			
	-48.6 14.5	~84.9 36.8	36.35258		38.1 43.1 32.5	
15 -13.119 -16.756 2165.68823 -	-58.1 10.7	-83.1 29.9	35.28689	0.800 -90.7 71.4	37.9 37.0 32.4	
16 -8.733 -17.592 2125.13837	-66.9 8.0	-82.1 23.2	34.56509	0.840 -86.1 70.3	38.0 33.2 32.0	135.15963 15-16
				ATI 10 DUOTO ***		SEQUENCE NO 37
		TAB NO	17	ATLAS PHOTO NO	17 POD	SEQUENCE NO 37
JULY 31,1964 13 HR 10 MIN 6 5	EC 799 MS					
TRAJECTURY DATA		SEC TO IMPACT	T ALT	LAT LCN	R V	PTH AZ
		942.000	1956.51328	-3.570 -35.223	3691.969 1.96	1 -74.350 116.961
PHOTO DATA					<del></del>	
PT LAT LON RANGE		AZSUN AZA	A *	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
1 -12.055 -17.626 2133.87634	-59.7 10.7	-85.3 29.2		0.702 -92.4 70.5	38.3 35.0 31.3	0. 0-1
2 -13.101 -10.601 2266.59048		-85.0 26.4	37.015C2		34.2 45.8 42.5	210.08553 1- 2
3 -10.693 -14.403 2178.86880 -		-53.1 24.7	35.544C7			134.22351 2- 3
4 -10.560 -7.798 2310.01382	-70.2 11.6	-84.5 21.4	37.67118	C.659 -88.0 80.0	32.3 48.8 47.4	196.65362 3- 4
5 -15.840 -5.898 2386.91385 -	-61.6 16.2	-88.4 28.0	38.93722	0.595 -93.7 82.1	32.4 53.6 48.9	169-45732 4- 5
6 -15.639 -13.137 2239.39917		-85.1 31.5	36.51973	0.722 -93.4 75.2	36.1 43.9 37.5	211.13037 5- 6
7 -10.693 -14.403 2178.86880		-83.1 24.7	35.544C7	0.777 -88.2 73.5	36.1 39.1 37.0	
8 -8.752 -17.608 2114.94656	-68.8 B.0	-82.1 23.3	34.39934	0.840 -80.1 70.2	38.0 33.2 32.0	112.30198 7-8
9 -8.506 -11.778 2218.03976	-72.9 9.2	-82.9 20.0	36.13748	0.742 -85.7 76.0	34.3 42.2 41.5	
10 -8.243 -4.532 2375.59592		-83.8 17.0	38.58908	0.606 -85.3 83.1	30.6 52.9 52.5	
10 -8.243 -4.532 2375.59592	-75.6 10.4		38.589C8 39.76797	0.606 -85.3 83.1 0.551 -90.9 85.1	30.6 52.9 52.5 30.5 56.6 <u>54.3</u>	158,74413 10-11
10 -8.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937	-75.6 10.4	-83.8 17.0 -88.1 23.1 -95.4 29.7	38.58908 39.76797 41.72419	0.551 -90.9 85.1	30.5 56.6 54.3	158.74413 10-11 207.14531 11-12
10 -8.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.46738	-75.6 10.4 -67.6 14.8	88.1 23.1	39.76797	0.551 -90.9 85.1 0.455 -97.0 88.5	30.5 56.6 54.3	158.74413 10-11 207.14531 11-12
10 -8.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.46738 13 -18.608 -8.637 2355.59525	-75.6 10.4 -67.6 14.8 -59.8 20.9 -54.9 17.6	-88.1 23.1 -95.4 29.7 -88.5 33.1	39.76797 41.72419 38.35690	0.551 -90.9 85.1 0.455 -97.0 88.5 0.621 -96.3 79.7	30.5 56.6 <u>54.3</u> 30.7 63.1 57.5	158.74413 10-11 207.14531 11-12 265.03569 12-13
10 -0.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.46738 13 -18.608 -6.637 2355.50525 14 -18.292 -15.461 2227.95959	-75.6 10.4 -67.6 14.8 -59.8 20.9 -54.9 17.6 -48.6 14.5	-88.1 23.1 -95.4 29.7 -88.5 33.1 -84.9 36.8	39.76797 41.72419 38.35690 36.17741	0.551 -90.9 85.1 0.455 -97.0 88.5 0.621 -96.3 79.7 0.734 -95.8 73.2	30.5 56.6 54.3 30.7 63.1 57.5 34.4 51.7 43.5	158.74413 10-11 207.14531 11-12 265.03569 12-13 196.30225 13-14
10 -8.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.44738 13 -18.608 -8.637 2355.50525 14 -18.292 -15.461 2227.95959 15 -13.117 -16.776 2155.31805	-75.6 10.4 -67.6 14.8 -59.8 20.9 -54.9 17.6 -48.6 14.5 -58.1 10.7	-88.1 23.1 -95.4 29.7 -88.5 33.1 -84.9 36.8 -83.1 29.9	39.76797 41.72419 38.35690 36.17741 35.11792	0.551 -90.9 85.1 0.455 -97.0 88.5 0.621 -96.3 79.7 0.734 -95.8 73.2 0.800 -90.7 71.4	30.5 56.6 54.3 30.7 63.1 57.5 34.4 51.7 43.5 38.1 43.0 32.4 37.9 37.0 32.4	158.74413 10-11 158.74413 10-11 159.714531 11-12 166.03569 12-13 179.30225 13-14 161.37375 14-15
10 -0.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.46738 13 -18.608 -6.637 2355.50525 14 -18.292 -15.461 2227.95959	-75.6 10.4 -67.6 14.8 -59.8 20.9 -54.9 17.6 -48.6 14.5 -58.1 10.7	-88.1 23.1 -95.4 29.7 -88.5 33.1 -84.9 36.8	39.76797 41.72419 38.35690 36.17741	0.551 -90.9 85.1 0.455 -97.0 88.5 0.621 -96.3 79.7 0.734 -95.8 73.2 0.800 -90.7 71.4	30.5 56.6 54.3 30.7 63.1 57.5 34.4 51.7 43.5 38.1 43.0 32.4 37.9 37.0 32.4 38.0 33.2 32.0	158,74413 10-11 15 207,14531 11-12 16 207,14531 11-12 16 265,03569 12-13 17 196,30225 13-14 161,37375 14-15 134,51643 15-16
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10 -8.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.46738 13 -18.608 -8.637 2375.50525 14 -18.292 -15.461 2277.99599 15 -13.117 -16.776 2155.31805 16 -8.752 -17.608 2114.94656   JULY 31,1964 13 HR 10 MIN 11 STRAJECTORY DATA PHOTU DATA PT LAT LON RANGE 1 -12.046 -17.644 2123.49011	-75.6 10.4 -67.6 14.8 -59.8 20.9 -54.9 17.6 -88.6 14.5 -58.1 10.7 -68.8 8.0 EC 919 MS	-88.1 23.1 -95.4 29.7 -88.5 33.1 -84.9 36.8 -83.1 29.9 -82.1 23.3 TAB NC SEC TO IMPAC 936.880 AZ SUN AZA -85.3 29.2	39.76197 41.72419 3e.3569C 36.17741 35.11792 34.39934 ) 18  T ALT 1946.8428: A• 36.72367	0.551 -90.9 85.1 0.455 -97.0 88.5 0.621 -96.3 79.7 0.734 -95.8 73.2 0.80C -90.7 71.4 0.84C -86.1 7C.2 ATLAS PHOTO NO LAT LCN 3 -3.590 -35.185 8/A AZPHAZ INCD 0.703 -92.4 70.5	30.5 56.6 54.3 30.7 63.1 57.5 34.4 51.7 43.5 38.1 43.0 32.4 37.9 37.0 32.4 38.0 33.2 32.0 18 POD	158,74413 10-11   207-14531 11-12   205-03569 12-13   196-30225 13-14   161-37375 14-15   134-51643 15-16   SEQUENCE NO 39   PTH AZ   22 -74-321 116-956   3   3   3   3   3   3   3   3   3
10 -8.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.44738 13 -18.608 -8.637 2375.50525 14 -18.292 -15.461 2277.95595 15 -13.117 -16.776 2155.31805 16 -8.752 -17.608 2114.94656   JULY 31,1964 13 HR 10 MIN 11 STRAJECTORY DATA  PHOTU DATA  PT LAT LON RANGE 1 -12.046 -17.644 2123.49011 2 -13.098 -10.655 2255.47507	-75.6 10.4 -67.6 14.8 -59.8 20.9 -54.9 17.6 -48.6 14.5 -58.1 10.7 -68.8 8.0 EC 919 MS AZS/C AZN -59.7 10.7 -63.6 12.7	-88.1 23.1 -95.4 29.7 -88.5 33.1 -84.9 36.8 8-63.1 29.9 -82.1 23.3 TAB NC SEC TO IMPAC 936.880 AZ SUN AZ A-85.3 29.2 -85.0 26.4	39,76197 41.72419 36.3569C 36.17741 35.11792 34.39934 18 1 ALT 1946.8428: Ae 36.72367 36.83350	0.551 -90.9 85.1 0.455 -97.0 88.5 0.621 -96.3 79.7 0.734 -95.8 73.2 0.80C -90.7 71.4 0.84C -86.1 7C.2 ATLAS PHOTO NO LAI LCN 3 -3.590 -35.185 8/A AZPHAZ INCC 0.703 -92.4 70.5 0.697 -9C.8 77.4	30.5 56.6 54.3 30.7 63.1 57.5 34.4 51.7 43.5 38.1 43.0 32.4 37.9 37.0 32.4 38.0 33.2 32.0  18 POD  R 3682.298 1.96 PHA2 LMIS ALPHA 38.4 35.0 31.2 34.2 45.8 42.4	3 158,74413 10-11 207,14531 11-12 265,03569 12-13 1 196,30225 13-14 1 161,37375 14-15 1 134,51643 15-16 SEQUENCE NO 39 PIH AZ 52 -74,321 116,956 3 SCALE PI-PI 2 0 0 - 1 209,06145 1-2
10 -8.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.46738 13 -18.608 -8.637 2355.50525 14 -18.292 -15.461 2227.95959 15 -13.117 -16.776 2155.31805 16 -8.752 -17.608 2114.94656   JULY 31,1964 13 HR 10 MIN 11 STRAJECTORY DATA  PHOTU DATA  PT LAT LON RANGE 1 -12.046 -17.644 2123.49011 2 -13.098 -10.655 2255.47507 3 -10.702 -14.435 2168.31046	-75.6 10.4 -67.6 14.8 -59.8 20.9 -54.9 17.6 -48.6 14.5 -58.1 10.7 -68.8 8.0 EC 919 MS 	-88.1 23.1 -95.4 29.7 -88.5 33.1 -84.9 36.8 -83.1 29.9 -82.1 23.3 TAB NC SEC TO IMPAC 936.880 AZ SUN AZA -85.3 29.2 -85.0 26.4 -83.1 24.7	39,76197 41.72419 38.35490 36.17741 35.11792 34.39934 ) 18 1946.8428: Ae 36.72367 36.83350 35.37184	0.551 -90.9 85.1 C.455 -97.0 88.5 C.621 -96.3 79.7 0.734 -95.8 73.2 0.80C -90.7 71.4 0.84C -86.1 7C.2 ATLAS PHOTO NO LAT LCN 3 -3.590 -35.185 B/A AZPHAZ INCD 0.703 -92.4 70.5 0.697 -9C.8 77.4 0.697 -9C.8 77.4	30.5 56.6 54.3 30.7 63.1 57.5 34.4 51.7 43.5 38.1 43.0 32.4 38.0 33.2 32.0  18 POD  R V 3682.298 1.96 PHAZ EMIS ALPHA 38.4 35.0 31.2 34.2 45.8 42.4 36.1 39.0 36.5	3 158,74413 10-11 207.14531 11-12 205.03569 12-13 196.30225 13-14 101.37375 14-15 134.51643 15-16 SEQUENCE NO 39 PTH AZ 2 74.321 116.956 A SCALE PT-PT 2 0. 0-1 4 209.06145 1-2 133.48418 2-3
10 -8.243 -4.532 2375.59592 11 -13.174 -2.726 2440.78937 12 -19.227 0.591 2566.40738 13 -18.608 -8.637 2375.50525 14 -18.292 -15.461 2277.95959 15 -13.117 -16.776 2155.31805 16 -8.752 -17.608 2114.94656   JULY 31,1964 13 HR 10 MIN 11 STRAJECTORY DATA  PHOTU DATA PT LAT LON RANGE 1 -12.046 -17.644 2123.49011 2 -13.098 -10.655 2255.47507 3 -10.702 -14.435 2168.31046 4 -10.570 -7.869 2298.51968	-75.6 10.4 -67.6 14.8 -59.8 20.9 -54.9 17.6 -48.6 14.5 -58.1 10.7 -68.8 8.0 EC 919 MS -29.7 10.7 -63.6 12.7 -60.1 10.0	-88.1 23.1 -95.4 29.7 -88.5 33.1 -84.9 36.8 -83.1 29.9 -82.1 23.3 TAB NC SEC TO IMPAC 936.880 AZ SUN AZ A-65.3 29.2 -85.0 26.4 -83.1 24.7 -84.5 21.5	39,76197 41.72419 38.35490 36.17741 35.11792 34.39934 ) 18 T ALT 1946.8428: A- 36.72367 36.83350 35.37184	0.551 -90.9 85.1 0.455 -97.0 88.5 0.621 -96.3 79.7 0.80C -90.7 71.4 0.84C -86.1 70.2 ATLAS PHOTO NO LAT LCN 3 -3.590 -35.185 B/A AZPHAZ INCE 0.703 -92.4 70.5 0.697 -90.8 77.4 0.778 -88.2 73.5 0.66C -88.C 79.9	30.5 56.6 54.3 30.7 63.1 57.5 34.4 51.7 43.5 38.1 43.0 32.4 38.0 33.2 32.0 18 POD  R 3682.298 1.96 PHAZ LMIS ALPHA 38.4 35.0 31.2 34.2 45.8 42.4 36.1 39.0 36.4 36.1 39.0 36.4	3 158,74413 10-11 207,14531 11-12 205,03569 12-13 1 196,30225 13-14 1 161,37375 14-15 1 34,51643 15-16 SEQUENCE NO 39 PTH AZ 62 -74,321 116,956 4 SCALE PT-PT 2 0 0 0 0 1 2 209,06145 1 2 9 133,48418 2 3 1 195,49201 3 4
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TRAJECTORY DATA  TRAJECTORY OATA  SEC. TO IMPACT  ALT  LLT  STATE NO. 19  ATTAS PHOTO NO. 19  POD SEQUENCE NO. 41  TRAJECTORY OATA  SEC. TO IMPACT  ALT  LLT  STATE NO. 19  TRAJECTORY OATA  SEC. TO IMPACT  ALT  LLT  STATE NO. 19  TRAJECTORY OATA  SEC. TO IMPACT  ALT  ALT  ALT  ALT  ALT  ALT  ALT			RA-VII	CAMERA	<u>F</u> 8							7
PHOTO DATA  PHOTO DATA  PHOTO DATA  1 - 12.037 - 17.662 2113.03462	JULY 31,1964 13 HR 10 MIN 17	SEC 39 MS	TA	NO NO	19	ATL	AS PHOTO	NO	19	POD :	SEQUENCE NO	0 41
PRIOL DATA    ARAGE   AZSYC   AZN   AZSUN   AZ	TRAJECTORY DATA								R	٧	PTH	AZ
1 - 12-037 - 17-062 2113.09402 - 99-7 10-7 - 89-3 29-2 36-59492 (-703) - 92-5 70-5 38-4 35-0 31.2 0 - 1 - 1 - 2 - 1 - 1 - 1 - 2 - 1 - 1 - 1	PHOTO DATA		931.76	60	1937.1651	6 -3.0	609 -35.	147	3672.620	1.964	-74.292 11	6.951
2 - 13.097 - 10.091	PT LAT LON RANGE						AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
3 - 10.712 - 14.452 2198.02841 - 66.1 10.0 - 63.1 24.6 35.20611 0.776 - 68.2 73.5 36.1 39.6 6.7 36.2 182.0188 - 5.4 4.0 5.0 1.0 11.6 6.0 7.92 12.0 1.0 11.6 6.0 7.92 12.0 1.0 11.6 6.0 7.92 12.0 1.0 11.6 6.0 7.92 12.0 1.0 11.6 6.0 7.92 12.0 1.0 11.6 6.0 7.92 12.0 1.0 11.6 6.0 7.92 12.0 1.0 11.6 6.0 7.92 12.0 1.0 11.0 11.0 11.0 11.0 11.0 11.0								70.5	38.4 35.0			0- 1
4 - 10.5807.921 2287,45178 - 70.1 11.6 - 64.5 21.5 37,30311 0.661 - 88.6 79.9 22.3 45.34 - 48.7 167.4766 3 - 4.5 15.5 15.6 - 6.062 255.7 15.01 12.1 14.2 - 14.2 12.1 12.1 12.1 12.1 12.1 12.1 12.1	3 -10.712 -14.452 2158.02841	-66.1 10.0						73.5	34.2 45.7			
6 - 13611 13612 2217.79233 B - 56.4 13.6 - 65.1 31.5 36.16923 0.723 - 93.4 75.1 36.1 43.8 37.4 208.63223 5 - 6 7 - 10.715 - 1452 2159.0024 1 10.0 - 83.1 24.8 35.2041 0.778 - 88.2 73.5 13.0 39.0 36.0 152.89501 6 - 7 9 - 8.546 - 11.055 2196.63145 - 66.8 8 0 82.1 23.4 34.07111 0.441 - 86.1 70.2 38.0 33.1 31.9 111.2020 7 - 8 9 - 8.546 - 11.055 2196.63145 - 66.8 8 0 82.1 23.4 34.07111 0.441 - 86.1 70.2 38.0 33.1 31.9 111.2020 7 - 8 10 - 82.25 - 6.697 2511.096.3145 - 51.04 - 83.7 17.1 36.2 20.4 3712 21.0 21.0 21.0 21.0 21.0 21.0 21.0 21	4 -10.580 -7.921 2287.45178	-70.1 11.6	-84.5	21.5	37.30331	0.661						
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11 - 13-168	2 0.240 -11.022 21.42						-85.7	75.9	34.3 42.2	41.4	172.92872	
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13 - 18.549 - 8.756 2392,4930 - 54.9 17.5 - 88.4 33.1 37.9227 C.623 - 96.3 79.6 34.4 51.5 43.4 261.04170 [2-13 14 - 18.209] - 15.502 220.06.2973 - 48.0 14.4 - 84.9 36.8 35.83124 0.735 - 95.8 79.6 34.4 51.5 43.4 261.04170 [2-13 14 15 - 13.112 - 16.802 2134.79852 - 58.0 10.7 - 83.1 29.9 34.78359 0.800 - 90.7 71.4 37.9 37.0 32.4 194.1131 13-14.16 16.802 2134.79852 - 58.0 10.7 - 83.1 29.9 34.78359 0.800 - 90.7 71.4 37.9 37.0 32.4 194.1131 13-14.16 16.802 2134.79852 - 58.0 10.7 - 83.1 29.9 34.78359 0.800 - 90.7 71.4 37.9 37.0 32.4 159.77929 14-15 16.8 8.7 90.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 1	12 -19.154 0.329 2539.68271	-59.7 20.8	-95.2	29.7				88.2	30.7 62.8		204.43712	11-12
15 - 13-114 - 16-802 2134, 79852 - 58.0 10.7 - 83.1 29.9 34.78959 0.80C - 60.7 71.6 37.0 37.0 32.4 159.77922 12-15 16 - 8.790 - 17-625 2094.76385 - 68.8 8.0 - 82.1 23.4 34.07111 0.841 - 86.1 70.2 38.0 33.1 31.9 133.24812 15-16 16 - 82.1 23.4 34.07111 0.841 - 86.1 70.2 38.0 33.1 31.9 133.24812 15-16 17 16 18 18 18 18 10 MIN 22 SEC 159 MS  TAB NO 20 ATLAS PHOTO NO 20 POD SEQUENCE NO 43  TRAJECTORY DATA  PHOTO DATA  PI LAT LON RANGE AZSC AZS AZN AZSUN AZA A. A. B. B.A. AZSUN AZA A		-54.9 17.5	-88.4	33.1	37.98237	0.623	-96.3	79.6	34.4 51.5			
TAB NO 20 ATLAS PHOTO NO 20 POD SEQUENCE NO 43  TRAJECTORY DATA  PHOTO DATA  PLATE  1 - 12.028 - 17.680 2102.69025 -59.7 10.7 89.3 20.2 33.37810 0.703 -92.8 10.722 -14.459 2147.89972 -66.1 10.0 -89.1 24.8 35.0388 0.778 -88.2 73.5 36.1 39.0 362.93.1 31.9 31.2 93.2 93.3 93.9 1.9 0.7 14.2 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0											194.11131	13-14
TAB NO 20 ATLAS PHOTO NO 20 POD SEQUENCE NO 43  TRAJECTORY DATA  PHOTI DATA  P												
TRAJECTORY DATA    Sec. TO IMPACT   1927.48C29   -3.628   -35.109   3662.936   1.966   -74.202   116.946						0.041	-00.1	10.2	30.0 33.1	31.9	133.24812	12-10
TRAJECTORY DATA  SEC TO IMPACT PHOTO DATA  SEC TO IMPACT  1 -12.028 -17.680 2102.69025 -59.7 10.7 -85.3 29.2 36.37870 0.703 -92.5 70.4 38.4 34.9 31.2 0. 0. 0. 1 2 -13.096 -10.717 2234.16968 -63.5 12.7 -84.9 26.5 36.48557 0.698 -90.8 77.3 34.2 45.7 42.4 208.39389 1- 2 3 -10.722 -14.449 225.5 1.5 16.5 -61.5 16.2 -88.3 28.1 38.39890 2.597 -93.7 88.2 23.3 48.6 47.2 193.46966 3- 4 5 -15.194 -0.099 2552.13655 -61.5 16.2 -88.5 28.1 38.6993 0.5997 -93.7 81.9 32.4 59.4 48.7 166.83712 4- 5 6 -15.598 -13.214 2207.52374 -56.4 13.6 -85.0 31.5 35.99997 0.723 -93.4 75.1 36.1 30.3 37.4 207.54215 5- 6 7 -10.222 -14.459 247.89972 -66.1 10.0 -63.1 23.4 33.91070 0.64C -88.1 75.1 36.1 43.8 37.4 207.54215 5- 6 9 -8.566 -11.876 2186.28116 -77.5 0.0 -82.1 23.4 33.91070 0.64C -88.1 75.1 36.1 43.8 37.4 207.54215 5- 6 10 -8.307 -44.772 1240.61388 -77.5 10.9 -82.1 23.4 33.91070 0.64C -88.1 75.1 36.1 30.3 32. 31.9 110.69706 7- 8 9 -8.566 -11.876 2186.282116 -77.5 14.8 -87.7 12.1 36.0 13.6 13.6 13.0 36.3 32. 31.9 110.69706 7- 8 9 -8.566 -11.876 2186.282116 -77.5 14.8 -87.7 12.1 36.0 11.5 16.8 16.8 16.8 16.8 16.8 16.8 16.8 16.8	JULY 31.1964 13 HR 1C MIN 22	SEC 159 MS	TAI	B NO	20	ATLA	AS PHOTO	NO	20	POD S	EQUENCE NO	43 -
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2 - 13.095 - 10.742 2223.60394 - 63.5 12.7 - 84.9 26.5 36.31302 0.698 - 90.8 77.3 34.2 45.7 42.3 208.20791 1- 2 3.01.732 - 14.67 2137.75809 - 66.1 10.0 - 83.1 24.8 34.87344 0.778 - 88.2 73.5 36.1 39.0 36.9 131.5469 2- 3 4.01.602 - 80.002 2265.77933 - 70.1 11.6 - 84.5 21.6 36.94990 0.662 - 88.0 79.8 32.3 48.6 47.2 192.49063 3- 4 5.15.85 - 13.228 2197.10538 - 56.4 13.6 - 85.0 31.5 35.83007 0.723 - 99.4 75.1 36.1 43.8 37.4 206.45119 5- 6 4.55.85 - 13.228 2197.10538 - 56.4 13.6 - 85.0 31.5 35.83007 0.723 - 99.4 75.1 36.1 43.8 37.4 206.45119 5- 6 7 - 10.732 - 14.467 2137.75809 - 66.1 10.0 - 83.1 24.8 34.87344 0.778 - 88.2 73.5 36.1 39.0 36.9 151.46293 6- 7 8 - 88.28 - 17.612 2075.02621 - 88.7 8.0 - 82.1 23.4 33.5009 0.840 - 86.1 70.2 38.0 33.2 31.9 110.19106 7- 8 9 - 8.586 - 11.897 2175.91196 - 72.7 9.3 - 82.8 20.2 35.45124 0.743 - 85.7 75.9 34.3 42.1 41.4 171.28077 8- 9 10 - 83.28 - 48.16 2329.30844 - 75.5 10.5 - 83.7 17.2 37.83757 0.609 - 85.3 82.9 30.6 52.6 52.2 212.28975 9-10 11 - 13.164 - 3.057 2392.97516 - 67.5 14.8 - 87.9 23.3 38.98895 0.556 - 90.9 84.8 30.5 56.3 54.0 155.53669 10-11 13.18.494 - 8.831 2310.38693 - 54.9 17.4 - 88.4 33.1 37.02243 0.624 - 96.3 79.5 34.4 51.5 43.3 257.70247 12-13 15. 31.12 15.508 2185.86862 - 88.7 14.4 - 88.4 33.1 37.02243 0.624 - 96.3 79.5 34.4 51.5 43.3 257.70247 12-13 15. 31.2 15.792 2114.70730 - 88.0 10.7 - 83.1 29.9 34.67700 0.807 - 90.7 71.4 37.9 37.0 32.4 158.52221 14-15 15.8 22.1 14.8 15.792 2114.70730 - 88.0 10.7 - 83.1 29.9 34.67700 0.807 - 90.7 71.4 37.9 37.0 32.4 158.52221 14-15		AZS/C AZN										
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4 -10.002 -8.002 2265.7793 -70.1 11.6 -84.5 21.6 36.94990 0.662 -88.0 79.8 32.3 48.6 47.2 192.49063 3- 4 5-15.780 -6.151 2340.88254 -6.15 16.1 -88.3 28.1 38.18635 0.598 -93.7 81.9 32.4 53.3 48.6 166.05356 4-5 6 -15.585 -13.228 2197.10538 -56.4 13.6 -85.0 31.5 35.830C7 0.723 -93.4 75.1 36.1 43.8 37.4 206.45119 5- 6 7 -10.732 -14.67 2137.75809 -66.1 10.0 -83.1 24.8 34.87344 0.778 -88.2 73.5 36.1 39.0 36.9 151.6629 36-7 8 -8.828 -17.612 2075.02621 -68.7 8.0 -82.1 23.4 33.75009 0.84c -86.1 70.2 38.0 33.2 31.9 110.19106 7- 8 -98.586 -11.697 2175.91196 -72.7 9.3 -82.8 20.2 35.45124 0.778 -88.2 73.5 36.1 39.0 36.9 151.6629 36-7 10.9828 -48.816 2329.3044 -75.5 10.5 -83.7 17.2 37.83757 0.609 -85.3 82.9 30.6 52.6 52.2 212.28975 9-10 11-13.164 -3.057 2392.97516 -67.5 14.8 -87.9 23.3 38.98895 0.556 -90.9 84.8 30.5 56.3 54.0 155.53669 10-11 12.19.09 0.135 2514.55469 -59.7 20.8 -95.0 29.7 0.808037 0.462 -97.0 88.0 30.7 62.6 56.9 202.04975 11-12 13 -18.494 -8.831 2310.38693 -54.9 17.4 -88.4 33.1 37.62243 0.624 -98.3 79.5 34.4 51.5 43.3 257.70247 12-13 13 -18.112 15.508 2185.86862 -48.7 14.4 -84.9 36.7 35.49418 0.735 -59.8 73.2 38.1 42.9 32.4 192.17325 13-14 15.5 12.112 15.794 2184.7373 -58.0 10.7 -83.1 29.9 34.45720 0.800 -90.7 71.4 37.9 37.0 32.4 158.52221 14-15		-66.1 10.0	-83.1 2	24.8	34.87344	0.778						
6 - 15.585 - 13.228 2197.10538 - 56.4 13.6 - 85.0 31.5 35.3307 0.723 - 93.4 75.1 36.1 34.8 37.4 206.45119 5 - 6 - 10.732 - 14.467 2137.75809 - 66.1 10.0 - 83.1 24.8 34.47344 0.778 - 88.2 73.5 36.1 39.0 36.9 151.46293 6 - 7 8 - 8.828 - 17.612 2075.02621 - 68.7 8.0 - 82.1 23.4 33.5009 0.84c - 86.1 70.2 38.0 33.2 31.9 110.19106 7 - 8 9 - 8.586 - 11.897 2175.91196 - 72.7 9.3 - 82.8 20.2 35.45124 0.743 - 85.7 75.9 34.3 42.1 41.4 171.28077 8 - 9 10 - 8.328 - 4.816 2329.39544 - 75.5 10.5 - 83.7 17.2 37.83757 0.609 - 86.3 82.9 30.6 52.6 52.2 212.28975 9-10 11 - 13.164 - 3.057 2392.97516 - 67.5 14.8 - 87.9 23.3 38.98895 0.556 - 90.9 84.8 30.5 56.3 54.0 155.3669 10-11 12 - 19.099 0.135 2514.55469 - 59.7 20.8 - 95.0 29.7 40.88037 0.462 - 97.0 88.0 30.7 62.6 56.9 20.204975 11-12 13 - 18.494 - 8.831 2310.38693 - 54.9 17.4 - 88.4 33.1 37.62243 0.624 - 96.3 79.5 34.4 51.5 43.3 257.70247 12-13 14 - 18.188 - 15.508 2185.86862 - 88.7 14.4 - 84.9 36.7 35.9 44.8 0.735 - 59.8 73.2 38.1 42.9 32.4 192.17325 13-14 15 - 13.112 16.792 2144.76730 - 58.0 10.7 - 83.1 29.9 34.5720 0.800 - 90.7 71.4 37.9 37.0 32.4 158.25222 14-15							-88.0	79.8	32.3 48.6	47.2	192.49063	3- 4
7 -10.732 -14.467 2137.75809 -66.1 10.0 -83.1 24.8 34.97344 0.778 -88.2 73.5 36.1 39.0 36.9 151.46293 6-7 8 -8.828 -17.612 2075.02621 -68.7 8.0 -82.1 23.4 33.75009 0.860 -86.1 70.2 38.0 33.2 31.9 110.19106 7-8 9 -8.586 -11.897 2175.91196 -72.7 9.3 -82.8 20.2 25.55124 0.743 -85.7 15.9 34.3 42.1 41.4 171.28077 8-9 10 -8.328 -4.816 2329.30844 -75.5 10.5 -83.7 17.2 37.83757 0.609 -65.3 82.9 30.6 52.6 52.2 212.28975 9-10 13.164 -3.057 2392.97516 -67.5 14.8 -87.9 23.3 38.9895 0.556 -90.9 84.8 30.5 56.3 54.0 155.53669 10-11 12-19.089 0.135 2514.55469 -59.7 20.8 -95.0 29.7 40.88037 0.462 -97.0 88.0 30.7 62.6 56.9 202.04975 11-12 13 -18.494 -8.831 2310.38693 -54.9 17.4 -88.4 33.1 37.62243 0.624 -96.3 79.5 34.4 51.5 43.3 257.70247 12-13 14 -18.18 -15.508 2185.86862 -87.7 14.4 -84.9 36.7 35.4418 0.735 -95.8 73.2 38.1 42.9 32.4 192.17325 13-14 15 -13.112 -16.794 2114.76730 -58.0 10.7 -83.1 29.9 34.45720 0.800 -90.7 71.4 37.9 37.0 32.4 158.25232 14-15												
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9-8-308 -416.91/2 1/5-91196 -72.7 9.3 -82.8 20.2 37.87570.609 -85.3 82.9 30.6 52.6 52.2 212.28975 9-10 11 -13.164 -3.057 2392.97516 -67.5 10.5 -83.7 17.2 37.83757 0.609 -85.3 82.9 30.6 52.6 52.2 212.28975 9-10 11 -13.164 -3.057 2392.97516 -67.5 14.8 -87.9 23.3 38.98895 0.556 -90.9 84.8 30.5 56.3 54.0 155.53669 10-11 12 13.18.494 -8.813 2310.38693 -54.9 17.4 -88.4 33.1 37.62243 0.624 -97.0 88.0 30.7 62.6 56.9 202.04975 11-12 13 -18.188 -15.508 2185.86862 -48.7 14.4 -84.9 36.7 35.49418 0.735 -95.8 73.2 38.1 42.9 32.4 192.17325 13-14 15 -13.112 16.794 2114.76730 -58.0 10.7 -83.1 29.9 34.67720 0.800 -90.7 71.4 37.9 37.0 32.4 158.25222 14-15		-68.7 8.0	-82.1 2	23.4	33.75009	0.840	-86.1				110.19106	
11 -13.164 -3.057 2392.97516 -67.5 14.8 -87.9 23.3 38.9895 0.556 -90.9 84.8 30.5 56.3 54.0 155.53669 10-11 12 -19.099 0.135 2514.55469 -59.7 20.8 -95.0 29.7 40.88037 0.624 -97.0 88.0 30.7 62.6 56.9 202.04975 11-12 13 -18.494 -8.831 2310.38693 -54.9 17.4 -88.4 33.1 37.62243 0.624 -96.3 79.5 34.4 51.5 43.3 257.70247 12-13 14.1 15 -13.112 -16.794 2114.76730 -580 10.7 -83.1 29.9 34.45720 0.800 -99.7 71.4 37.9 37.0 32.4 192.17325 13-14	7 0.300 -11.031 2113.31136	-72.7 9.3						75.9	34.3 42.1	41.4	171.28077	8- 9
12 -19.089		-75.5 10.5 -67.5 14.8										
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14 - 18.188 - 15.508 2185.86862 - 48.7 14.4 - 84.9 36.7 35.49418 0.735 - 95.8 73.2 38.1 42.9 32.4 192.17325 13-14 15 - 13.112 - 16.794 2114.76730 - 58.0 10.7 - 83.1 29.9 34.45720 0.800 - 90.7 71.4 37.9 37.0 32.4 158.25232 14-15		-54.9 17.4	-88.4 3	33.1	37.62243	0.624	-96.3	79.5	34.4 51.5	43.3	257.70247	12-13
14 -0 020 17 (12 2025 02(2)											192.17325	13-14

	RA-VII	CAMERA	F8						8
JULY 31,1964 13 HR 10 MIN 32 SEC 399 MS	T	AB NO	22	ATLAS	PHOTO NO	22	POD S	EQUENCE NO	47
30E1 3111704 13 AK 10 MIN 32 3EC 377 M3									
TRAJECTORY DATA	SEC TO 1		ALT	LAT	LCN 7 -35.033	R 3443 E43	V 970	PTH A -74.203 116	Z 936
PHOTO DATA									
PT LAT LON RANGE AZS/C AZN	AZ SUN	AZA	A* 36.03541 36.13946 34.70718	8/A A	ZPHAZ INCO	PHAZ EMIS			7-PT 0- 1
1 -12.010 -17.716 2081.85251 -59.7 10.7 2 -13.094 -10.771 2212.97601 -63.5 12.7	-85.3 -84.9	26.5	36.03541	0.699	-92.5 /U.4 -90.8 77.3	38.4 34.9 34.2 45.7	42.3	207.94489	1- 2
3 -10.743 -14.477 2127.56616 -66.0 10.0	-83.1	24.8	34.70718	0.778	-88.2 73.5	36.1 39.0	36.9	130.89634	2- 3
4 -10.012 -0.043 2234.00333 -70.1 11.0	~84.7				-00.0 17.0	32.3 48.6			3- 4 4- 5
5 -15.765	-88.2 -85.0	31.5	38.00148	0.723	-93.7 81.8	32.4 53.3	48.6	205.34004	5- 6
7 -10.743 -14.477 2127.56616 -66.0 10.0		24.8	34.70718		-88.2 73.5	36.1 39.0		150:74107	6- 7
8 -8.847 -17.608 2065.10983 -68.6 8.1			33.58881			38.0 33.2	32.0		7- 8 8- 9
9 -8.607 -11.920 2165.48535 -72.7 9.3 10 -8.349 -4.878 2317.92062 -75.4 10.5		20.2	35.28138 37.65265			34.3 42.1	41.4	211.10257	
11 -13.162 -3.130 2381.23743 -67.5 14.8			38.79771		-90.9 84.7	30.5 56.2		154.75897 1	0-11
12 -19.056 0.033 2501.87640 -59.7 20.3	-94.9	29.7	40.67428	0.463	-97.0 87.9	30.7 62.5	56.8	200.84130 1 256.00039 1	11-12
13 -18.466 -8.872 2299.25525 -55.0 17.4 14 -18.162 -15.514 2175.43225 -48.7 14.4		33.1 36.7	37.44120 35.32475			34.4 51.4	43.3	191.18697 1	
15 -13.111 -16.793 2104.70081 -58.0 10.7		30.0	34.29318			37.9 37.0	32.4	157.48343 1	
16 -8-847 -17-608 2065-10983 -68-6 8-1	-82.1	23-6	33.58881		-86.1 70.3	38.0 33.2	32.0	131.40141 1	15-16
	<b></b>			471.40	DUOTO NO	23	000 0	EQUENCE NO	49 -
JULY 31,1964 13 HR 10 MIN 37 SEC 519 MS	,	VR MO	23	AILAS	PHOTO NO	23	rob s	EQUENCE NO	73
TRAJECTORY DATA	SEC TO 911.	IMPACT	ALT	LAT	LCN 7 -36 894	H 26.0 56.45	V 1.972	PTH #	AZ 6.931
PHOTO DATA									
PT LAT LON RANGE AZS/C AZP	AZSUN	AZA	A+	B/A A	ZPHAZ INCE	PHAZ EMIS 38.4 34.8	ALPHA	SCALE F	PT-PT
1 -12.001 -17.734 2071.41937 -59.7 10.	-85.3				-92.5 70.4	38.4 34.8	31.1	0.	0- 1 1- 2
2 -13.092 -10.801 2202.31451 -63.5 12.5 3 -10.753 -14.488 2117.34598 -66.0 10.0	-84.9 -83.1		35.96535	0.699	-90.8 77.2 -88 2 73.5	34.2 45.7	36.9	130-24645	2- 3
4 -10.623 -8.089 2243.91449 -70.0 11.6	-84.4	21.7	36.59336	0.663	-88.0 79.7	32.3 48.5	47.1	190.49187	3- 4
5 -15.750 -6.262 2318.17502 -61.5 16.1	-88.2		37.81594	0.600	-93.7 81.8	32.4 53.2	48.5	164.39331	4- 5
6 -15.559 -13.261 2176.12793 -56.4 13.6		31.5	35.48800	0.723	-91.4 /5.1	36.1 43.7	36.9	204.22036	5- 6 6- 7
7 -10.753 -14.488 2117.34598 -66.0 10.0	-83.1	24.8	34.54046	0.778	-88.2 73.5	36.1 39.0	36.9	150.01641	6- 7 7- 8
	-83.1 -62.1		34.54046 33.42714 35.11103	0.778 0.840 0.743	-88.2 73.5 -86.1 70.3 -85.7 75.6	36.1 39.0 3 38.0 33.2 3 34.3 42.1	36.9 32.0 41.4	150.01641 109.16278 169.60233	6- 7 7- 8 8- 9
7 -10.753 -14.488 2117.34598 -66.0 10.6 8 -8.866 -17.605 2055.16925 -68.6 8.9 9 -8.627 -11.945 2155.02771 -72.6 9.1 10 -8.371 -4.942 2306.49197 -75.4 10.9	-83.1 -62.1 -82.8 -83.7	24.8 23.5 20.3 17.3	34.54046 33.42714 35.11103 37.46708	0.778 0.840 0.743 0.611	-88.2 73.5 -86.1 70.3 -85.7 75.6 -85.3 82.7	36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5	36.9 32.0 41.4 52.1	150.01641 109.16278 169.60233 209.90673	6- 7 7- 8 8- 9 9-10
7 -10.753 -14.488 2117.34598 -66.0 10.6 8 -8.866 -17.605 2055.16925 -68.6 8.9 9 -8.627 -11.945 2155.02771 -72.6 9.1 10 -8.371 -4.942 2306.49197 -75.4 10.1 11 -13.159 -3.205 2309.45680 -27.5 14.2	-83.1 -62.1 -82.8 -83.7 -87.8	24.8 23.5 20.3 17.3 23.3	34.54046 33.42714 35.11103 37.46708 38.60574	0.778 0.840 0.743 0.611 0.558	-88.2 73.5 -86.1 70.3 -85.7 75.6 -85.3 82.7 -90.9 84.6	36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5 5 30.5 56.2	36.9 32.0 41.4 52.1 53.8	150.01641 109.16278 169.60233 209.90673 153.97712	6- 7 7- 8 8- 9 9-10 10-11
7 -10.753 -14.488 2117.34598 -66.0 10.6 8 -8.866 -17.605 2055.16925 -68.6 8.1 9 -8.627 -11.945 2155.02771 -72.6 9.1 10 -8.371 -4.942 2306.49197 -75.4 10.1 11 -13.159 -3.205 2369.45486 -67.5 14.1 12 -19.022 -0.070 2489.14865 -59.7 20.	-83.1 -62.1 -82.8 -83.7 -87.8 -94.9	24.8 23.5 20.3 17.3 23.3	34.54046 33.42714 35.11103 37.46708 38.60574 40.46740	0.778 0.840 0.743 0.611 0.558 0.465	-88.2 73.5 -86.1 70.3 -85.7 75.6 -85.3 82.7 -90.9 84.6 -97.0 87.6	36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5 5 30.5 56.2 3 30.7 62.4	36.9 32.0 41.4 52.1 53.8 56.7	150.01641 109.16278 169.60233 209.90673	6- 7 7- 8 8- 9 9-10 10-11 11-12
7 -10.753 -14.488 2117.34598 -66.0 10.68 -8.866 -17.605 2055.16925 -68.6 8.1 9 -8.627 -11.945 2155.02771 -72.6 9.1 11 -13.159 -3.205 2306.49197 -75.4 10.11 -13.159 -3.205 2369.45480 -57.5 14.12 -19.022 -0.070 2489.14865 -59.7 20.13 -18.439 -8.914 2288.0862 -55.0 17.4 14.18.136 -15.520 2164.96777 -48.7 14.7	-83.1 -82.1 -82.8 -83.7 -87.8 -94.9 -88.3	24.8 23.5 20.3 17.3 23.3 29.7 33.1 36.7	34.54046 33.42714 35.11103 37.46708 38.60574 40.46740 37.25937 35.15487	0.778 0.840 0.743 0.611 0.558 0.465 0.625 0.736	-88.2 73.5 -86.1 70.3 -85.7 75.8 -85.3 82.3 -90.9 84.6 -91.0 87.8 -96.4 79.4	3 36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5 5 30.5 56.2 8 30.7 62.4 4 34.4 51.4 2 38.1 42.9	36.9 32.0 41.4 52.1 53.8 56.7 43.2 32.4	150.01641 109.16278 169.60233 209.90673 153.97712 199.62807 254.28736 190.19328	6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13 13-14
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7 -10.753 -14.488 2117.34598 -66.0 10.0 8 -8.866 -17.605 2055.16925 -68.6 8.9 9 -8.627 -11.945 2155.02771 -72.6 9.1 10 -8.371 -4.942 2306.49197 -75.4 10.1 11 -13.159 -3.205 2369.45486 -67.5 14.1 12 -19.022 -0.070 2489.14865 -59.7 20.1 13 -18.439 -8.914 2288.08652 -55.0 17.4 14 -18.136 -15.520 2164.96777 -48.7 14.1 15 -13.110 -16.793 2094.60843 -58.0 10.1 16 -8.866 -17.605 2055.16925 -68.6 8.  JULY 31.1964 13 HR 10 MIN 42 SEC 639 MS  TRAJECTORY DATA  PHOTO DATA PT LAT CN RANGE AZS/C AZI 1 -11.992 -17.753 2060.97647 -59.7 10.2 2 -13.091 -10.831 2191.63977 -3.5 12.3 3 -10.763 -14.500 2107.11328 -66.0 10.4 4 -10.633 -81.134 2232.95087 -70.0 11.5 5 -15.736 -6.318 2306.78787 -61.5 16.6 6 -15.546 -13.279 2165.61053 -56.4 13.7 7 -10.763 -14.500 2107.11328 -66.0 10.8 8 -8.885 -17.602 2045.21715 -68.6 8.9 9 -8.647 -11.999 214.55765 -12.6 9.		24.8 23.5 20.3 17.3 29.7 33.1 36.7 30.0 23.5 TAB NO IMPACT 161 AZA 29.3 20.5 24.9 21.7 28.1 31.5 24.9 23.5	34.54046 33.42714 35.111C3 37.46708 38.60574 4C.46740 37.25937 35.15487 33.42714 24  ALT 1888.6647 A* 35.68984 35.79162 34.37354 36.41459 37.63019 35.31649 34.37354 33.26528 34.94047	0.778 0.840 0.7558 0.612 0.625 0.625 0.736 0.8000 0.80	-88.2 73.5 -86.1 70.8 -85.3 82.5 -97.0 87.6 -97.0 87.6 -98.4 79.6 -98.6 73.6 -98.6 73.6 -90.7 71.6 -86.1 70.5 SPHOTO NO	3 36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5 5 30.5 56.2 8 30.7 62.4 2 38.1 42.9 3 37.9 37.0 3 38.0 33.2 24 R 3624.12( 0 PHAZ EMIS 4 38.4 34.8 4 36.1 39.0 2 34.2 45.1 2 36.1 43.7 7 32.3 48.5 7 32.4 53.2 C 36.1 43.7 3 38.0 33.2	36.9 32.0 41.4 52.1 53.8 56.7 43.2 32.4 32.0 POD \$  V 0 1.973 ALPHA 31.1 48.5 37.4 36.9 47.1 48.5 37.4 36.9 47.1 48.5	150.01641 109.16278 169.60233 209.90673 153.9771.2 199.62807 190.19328 156.71194 130.78137 SEQUENCE NO  PTH  -74.144 11  SCALE 0. 207.34580 129.59571 189.48817 189.48817 189.48817 103.56027 203.10037 1749.29071 108.64604	6- 7 7- 8 9-10 10-11 11-12 12-13 13-14 14-15 15-16  51  AZ 6.926 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7-8 8- 9
7 -10.753 -14.488 2117.34598 -66.0 10.0 8 -8.866 -17.605 2055.16925 -68.6 8.9 9 -8.627 -11.945 2155.02771 -72.6 9.1 10 -8.371 -4.942 2306.49197 -75.4 10.0 11 -13.159 -3.205 2369.45480 -75.5 14.0 12 -19.022 -0.070 2489.14865 -59.7 20.1 13 -18.439 -8.914 2288.08652 -55.0 17.1 14 -18.136 -15.520 2164.96777 -48.7 14.0 15 -13.110 -16.793 2094.60843 -98.0 10.1 16 -8.866 -17.605 2055.16925 -68.6 8.0  JULY 31,1964 13 HR 10 MIN 42 SEC 639 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C AZI 1 -11.992 -17.753 2060.97647 -59.7 10.2 2 -13.091 -10.831 2191.63977 -63.5 12.3 3 -10.763 -14.500 2107.11328 -66.0 10.4 4 -10.633 -8.134 2232.95087 -70.0 11.5 5 -15.736 -6.138 2306.78787 -61.5 16.6 6 -15.546 -13.279 2165.61053 -96.4 13.7 7 -10.763 -14.500 2107.11328 -66.0 10.8 8 -8.885 -17.602 2045.21715 -68.6 8.9 9 -8.647 -11.969 2144.55765 -72.6 9.10 -8.392 -5.000 2295.0185 -75.3 10.		24.8 23.5 20.3 17.3 23.3 23.3 29.7 336.7 30.0 23.5 IMPACT 161 AZA 29.3 20.5 24.9 21.7 31.5 24.9 21.7 24.9 21.7 24.9 21.7 24.9	34.54046 33.46708 38.60574 4C.46740 37.25937 35.15487 33.42714 24  ALT 1888.6647  A* 35.68984 35.79162 34.37354 36.41459 37.63019 35.31649 34.373528 34.94047 37.28131	0.778 0.84C 0.743 0.615 0.625 0.625 0.736 0.840 ATLAS 4 5.704 0.699 0.702 0.699 0.723 0.723 0.723 0.740 0.699 0.723 0.740 0.699	-88.2 73.5 -86.1 70.6 -85.7 75.6 -85.3 82.7 -97.0 87.6 -97.0 87.6 -97.0 87.6 -95.8 73.6 -90.7 71.6 -86.1 70.6 -34.955 -2PHAZ INCC -90.8 77.6 -90.8 77.6 -90.8 77.6 -88.2 73.6 -88.2 73.6 -88.2 73.6 -88.1 70.6 -85.7 75.6	3 36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5 3 30.5 56.2 3 30.7 62.4 2 38.1 42.9 3 38.0 33.2 24 24 24 28.1 42.9 3 38.0 33.2 24 24 24 25.1 42.6 26.1 43.7 27.2 45.6 27.2 45.6 27.2 45.6 27.2 45.6 28.3 44.8 29.4 45.6 30.1 39.0 30.1 39.0 30.0 30.0 30.0 30.0 30	36.9 32.0 41.4 52.1 53.8 56.7 43.2 32.4 32.4 32.0 POD \$ 1.973 ALPHA 31.1 42.2 36.9 47.1 48.5 37.4 36.9 47.1 48.5 37.4 36.9 48.5 37.4 36.9	150.01641 109.16278 169.60273 209.90673 2153.97712 199.62807 190.19328 156.71194 130.78137 SEQUENCE NO  PTH -74.144 11:  SCALE 0. 207.34580 129.59571 189.48817 163.56027 203.10037 149.29071 108.64604 168.75920 208.71128	6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 51  AZ 6.926 PT-PT 0-1 1-2 2-3 3-4 5-6 7-8 8-9 9-10
7 -10.753 -14.488 2117.34598 -66.0 10.0 8 -8.866 -17.605 2055.16925 -68.6 8.9 9 -8.627 -11.945 2155.02771 -72.6 9.1 10 -8.371 -4.942 2306.49197 -75.4 10.1 11 -13.159 -3.205 2369.45468 -67.5 14.2 12 -19.022 -0.070 2489.14865 -59.7 20.1 13 -18.439 -8.914 2288.08652 -55.0 17.1 14 -18.136 -15.520 2164.96777 -48.7 14.1 15 -13.110 -16.793 2094.60843 -98.0 10.1 16 -8.866 -17.605 2055.16925 -68.6 8.  JULY 31,1964 13 HR 10 MIN 42 SEC 639 MS  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LCN RANGE AZS/C AZI 1 -11.992 -17.753 2060.97647 -59.7 10.2 2 -13.091 -10.831 2191.63977 -63.5 12.3 3 -10.763 -14.500 2107.11328 -66.0 10.4 4 -10.633 -8.134 2232.95087 -70.0 11.5 5 -15.736 -6.318 2306.78787 -61.5 16.6 6 -15.546 -13.279 2165.61053 -56.4 13.7 7 -10.763 -14.500 2107.11328 -66.0 10.8 8 -8.885 -17.602 2045.21715 -68.6 8.7 10 -8.392 -5.006 2295.05185 -75.3 10.1 11 -13.157 -3.28C 2357.60055 -7674.1.4.4.19.1 2 -18.989 -0.173 2476.4327 -99.9 7.90.7		24.8 23.5 20.3 17.3 23.3 29.7 33.1 36.7 30.0 23.5 IMPACT 161 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 23.5 24.9 21.7 24.9 24.9 27.7 28.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29	34.54046 33.42714 35.111C3 37.46708 38.60574 4C.46740 37.25937 35.15487 33.42714  24  ALT 1888.6647  A. 35.68984 35.791C2 34.37354 36.41459 37.63019 35.31649 37.63019 35.31649 37.63019 35.31649 37.63019 36.37354 37.26528 37.26528 38.41359 40.26038	0.778 0.840 0.558 0.625 0.736 0.800 0.	-88.2 73.5 -86.1 70.6 -85.3 82.5 -97.0 87.4 -97.0 87.4 -95.8 73.6 -98.1 70.6 -98.1 70.6 -99.7 71.6 -99.8 71.6 -92.5 70.6 -92.5 70.6 -93.7 81.6	3 36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5 5 30.5 56.2 3 30.7 62.4 2 38.1 42.9 3 37.9 37.0 3 38.0 33.2 24 R 3624.12( D PHAZ EMIS 4 38.4 34.8 2 34.2 45.6 4 36.1 39.0 7 32.3 48.5 7 32.4 53.2 C 36.1 43.7 4 36.1 39.0 3 38.0 33.2 8 34.3 42.1 6 36.1 43.7 7 32.4 53.2 C 36.1 43.7 7 32.4 53.2 C 36.1 43.7 7 32.4 53.2 C 36.1 43.7 7 30.6 52.4 5 30.4 56.1 5 30.4 56.1	36.9 32.0 41.4 52.1 53.8 56.7 43.2 32.4 32.0 POD \$  1.973  ALPHA 31.1 42.2 36.9 47.1 48.5 37.4 36.9 32.0 41.3 52.0	150.01641 109.16278 169.60233 209.90673 153.97712 199.62807 190.19328 156.71194 130.78137 SEQUENCE NO  PTH  -74.144 11  SCALE 0. 207.34580 129.59571 189.48817 163.56027 203.10037 149.29071 108.64604 168.75920 208.71128	6-7 7-8 8-9 9-10 10-11 11-12 13-14 14-15 15-16 51  AZ 6.926 PT-PT 0-1 1-2 2-3 3-4-5 5-7 7-8 8-9 9-10 11-12
7 -10.753 -14.488 2117.34598 -66.0 10.0 8 -8.866 -17.605 2055.16925 -68.6 8.9 9 -8.627 -11.945 2155.02771 -72.6 9.1 10 -8.371 -4.942 2306.49197 -75.4 10.1 11 -13.159 -3.205 2369.45486 -67.5 14.2 12 -19.022 -0.070 2489.14865 -59.7 20.1 13 -18.439 -8.914 2288.08652 -55.0 17.4 14 -18.136 -15.520 2164.96777 -48.7 14.1 15 -13.110 -16.793 2094.60843 -98.0 10.1 16 -8.866 -17.605 2055.16925 -68.6 8.  JULY 31.1964 13 HR 10 MIN 42 SEC 639 MS  TRAJECTORY DATA  PHOTO DA		24.8 23.5 20.3 17.3 29.7 33.1 36.7 30.0 23.5 TAB NO IMPACT 161 AZ A 29.3 20.5 24.9 21.7 24.9 21.7 24.9 23.5 20.3 17.3 20.3 20.5 24.9 23.5 24.9 23.5 24.9 23.5 24.9 23.5 24.9 23.5 24.9 23.5 24.9 24.9 25.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	34.54046 33.42714 35.11103 37.46708 38.60574 4C.46740 37.25937 35.15487 34.12874 33.42714  24  ALT 1888.6647  A* 35.68984 35.79102 34.37354 36.41437 37.26131 38.41358 4C.26038 37.07733	0.778 0.840 0.558 0.625 0.625 0.736 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.800 0.600 0.723 0.600 0.723 0.786 0.600 0.723 0.786 0.743 0.786	-88.2 73.5 -86.1 70.6 -85.3 82.5 -90.9 84.6 -91.0 87.6 -95.6 73.5 -96.4 79.6 -95.8 73.5 -90.7 71.6 -86.1 70.5 S PHOTO NO  LON 66 -34.955  LPHAZ INCI -92.5 70.6 -93.7 81.6 -93.7 81.6 -93.7 81.6 -93.7 81.6 -86.1 70.6 -85.7 75.6 -85.7 75.6 -85	3 36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5 5 30.5 56.2 3 30.7 62.4 2 38.1 42.9 3 37.9 37.0 3 38.0 33.2 24 R 3624.12( D PHAZ EMIS 4 38.4 34.8 4 36.1 39.0 2 34.2 45.6 4 36.1 39.0 3 38.0 33.2 2 34.2 45.6 4 36.1 39.0 3 38.0 33.2 7 30.4 53.2 7 30.4 53.2 7 30.6 52.4 7 30.7 62.3 7 30.7 62.3	36.9 32.0 41.4 52.1 53.8 56.7 43.2 32.4 32.0 POD \$ 1.973 ALPHA 31.1 42.2 36.9 37.4 36.9 32.0 41.3 56.6 43.2	150.01641 109.16278 169.60233 209.90673 153.97712 199.62807 1554.28736 190.19328 156.71194 130.78137 SEQUENCE NO  PTH -74.144 11  SCALE 07.34580 129.59571 169.48817 163.56027 203.10037 149.29071 108.64604 168.75920 208.71128 153.19471 198.41706 252.57895	6-7 7-8 8-9 9-10 11-12 12-13 13-14 14-15 15-16 51 AZ 6-926 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 7-8 8-9 9-10 11-12 12-13
7 -10.753 -14.488 2117.34598 -66.0 10.0 8 -8.866 -17.605 2055.16925 -68.6 8.9 9 -8.627 -11.945 2155.02771 -72.6 9.1 10 -8.371 -4.942 2306.49197 -75.4 10.1 11 -13.159 -3.205 2369.45468 -67.5 14.2 12 -19.022 -0.070 2489.14865 -59.7 20.1 13 -18.439 -8.914 2288.08652 -55.0 17.1 14 -18.136 -15.520 2164.96777 -48.7 14.1 15 -13.110 -16.793 2094.60843 -98.0 10.1 16 -8.866 -17.605 2055.16925 -68.6 8.  JULY 31,1964 13 HR 10 MIN 42 SEC 639 MS  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LCN RANGE AZS/C AZI 1 -11.992 -17.753 2060.97647 -59.7 10.2 2 -13.091 -10.831 2191.63977 -63.5 12.3 3 -10.763 -14.500 2107.11328 -66.0 10.4 4 -10.633 -8.134 2232.95087 -70.0 11.5 5 -15.736 -6.318 2306.78787 -61.5 16.6 6 -15.546 -13.279 2165.61053 -56.4 13.7 7 -10.763 -14.500 2107.11328 -66.0 10.8 8 -8.885 -17.602 2045.21715 -68.6 8.7 10 -8.392 -5.006 2295.05185 -75.3 10.1 11 -13.157 -3.28C 2357.60055 -7674.1.4.4.19.1 2 -18.989 -0.173 2476.4327 -99.9 7.90.7		24.8 23.5 20.3 17.3 23.3 29.7 33.1 36.7 30.0 23.5 IMPACT 161 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 21.7 24.9 23.5 24.9 21.7 24.9 24.9 27.7 28.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29	34.54046 33.42714 35.111C3 37.46708 38.60574 4C.46740 37.25937 35.15487 33.42714  24  ALT 1888.6647  A. 35.68984 35.791C2 34.37354 36.41459 37.63019 35.31649 37.63019 35.31649 37.63019 35.31649 37.63019 36.37354 37.26528 37.26528 38.41359 40.26038	0.778 0.840 0.7558 0.612 0.625 0.736 0.800 0	-88.2 73.5 -86.1 70.6 -85.7 75.6 -85.3 82.5 -97.0 87.6 -97.0 87.6 -97.0 87.6 -98.8 73.6 -98.1 70.6 -98.2 100 -98.8 73.6 -96.8 73.6	3 36.1 39.0 3 38.0 33.2 3 34.3 42.1 7 30.6 52.5 5 30.5 56.2 3 30.7 62.4 2 38.1 42.9 3 37.9 37.0 3 38.0 33.2 24 R 3624.12( D PHAZ EMIS 4 38.4 34.8 2 34.2 45.6 4 36.1 39.0 7 32.3 48.5 7 32.4 53.2 C 36.1 43.7 4 36.1 39.0 3 38.0 33.2 8 34.3 42.1 6 36.1 43.7 7 32.4 53.2 C 36.1 43.7 7 32.4 53.2 C 36.1 43.7 7 32.4 53.2 C 36.1 43.7 7 30.6 52.4 5 30.4 56.1 5 30.4 56.1	36.9 32.0 41.4 52.1 53.8 56.7 43.2 32.4 32.0 POD \$  1.973  ALPHA 31.1 42.2 36.9 37.4 36.9 32.0 41.3 52.0 643.2 32.4	150.01641 109.16278 169.60233 209.90673 153.97712 199.62807 190.19328 156.71194 130.78137 SEQUENCE NO  PTH  -74.144 11  SCALE 0. 207.34580 129.59571 189.48817 163.56027 203.10037 149.29071 108.64604 168.75920 208.71128	6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 51  AZ 6.926 PT-PT 0-1 1-2 2-3 3-5 6-7 7-8 8-9 9-10 11-12 12-13 13-14

			RA-VI	CAMERA	A FB						9
				TAB NO	25	ATLAS	PHOTO NO	25	POD SEC	QUENCE NO	53
JULY 31,1964 13 HR 10 M	IN 47 SEC 759	MS									
TRAJECTORY GATA			SEC TO	IMPACT	ALT 1878.94205	LAT 5 -3.72	LCN 6 -34.916	R	V	PTH 74.114 11	AZ
PHOTO DATA			,01	.041	1010.7420.	-3.12	C -34.916	3014.391	1.915 -	/4.114 11	0.921
	NGE AZS/C	AZN	AZSUN	AZA	Δ.	B/A A	ZPHAZ INCO	PHAZ EMIS	ALPHA	SCALE	PT-PT
1 -11.982 -17.771 2050.		10.7	-85.3	29.3	35.51772		-92.5 70.4	38.4 34.8	31.0	0.	0- 1
2 -13.090 -10.858 2181.		12.7	-84.9	26.5	35.61750	0.699	-90.8 77.2	34.2 45.6	42.2 2	07.12641	1- 2
3 -10.773 -14.509 2096.		10.1	-83.1	24.9	34.20719			36.1 39.0	36.9 1	28.95571	2- 3
4 -10.644 -8.176 2222.		11.6	-84.4	21.7	36.23673			32.3 48.5		88.50102	3- 4
5 -15.721 -6.371 2295.		16.1	-88.1	28.1	37.44562			32.4 53.1		62.73838	4- 5
6 -15.534 -13.293 2155.	13773 -56.4	13.6	-85.0	31.5	35.14571			36.1 43.7		02.00292	5- 6
7 -10.773 -14.509 2096. 8 -8.905 -17.596 2035.		10.1	-83.1	24.9	34.20719			36.1 39.0		48.57114	6- 7
8 -8.905 -17.596 2035. 9 -8.668 -11.991 2134.		8.1	-82.1	23.5	33.10383		-86.1 70.3	38.0 33.2		08.13579	7- 8
10 -8.414 -5.067 2283.		9.4	-82.8 -83.6	20.4 17.4	34.77056 37.09665			34.3 42.1	41.3 1	67.92673	8- 9
11 -13.155 -3.351 2345.		14.7	-87.8	23.4	38.22281			30.6 52.4		07.53860	9-10
12 -18.956 -0.271 2463.		20.6	-94.7	29.7	40.05538			30.4 56.0 30.7 62.3		52.42330 97.23514	
13 -18.384 -8.995 2265.	78787 -55.0	17.3	-88.3	33.0	36.89635			34.4 51.3		50.92086	
14 -18.085 -15.531 2144.	05450 -48.8	14.3	-85.0	36.6	34.81535			38.1 42.9		.88.22238	
15 -13.108 -16.790 2074.		10.7	-83.1	30.0	33.79996			37.9 37.0		.55.17384	
16 -8.905 -17.596 2035.		8.1	-82.1	23.5	33.10363			38.0 33.2		29.54297	
			02.12	23.7	33.10303	0.010	00.1 10.3	30.0 33.2	32.0 1	27.34271	15-16
JULY 31,1964 13 HR 10 M	IN 52 SEC 879			TAB NO	26	ATLAS	РНОТО НО	26	POD SEC	QUENCE NO	55
TO A SECTION V DATA											
				IMPACT	ALT 1869.21161	LAT -3.74	LGN 6 -34.877	R 3604.667	V 1.977 -	PTH 74.084 11	AZ 6.915
PHOTO DATA PT LAT LON RAI	NGE AZS/C					- <del></del>		27.22			
PT LAT LCN RAI 1-11.973 -17.789 2040.6		AZN	AZSUN	AZA	A+			PHAZ EMIS			PT-PT
2 -13.090 -10.884 2170.		10.7	-85.3	29.3	35.34566			38.5 34.7	31.0	0.	0- 1
3 -10.784 -14.517 2086.		12.7	-84.9 -83.1	26.5	35.44405 34.04085			34.2 45.6		06.92710	1- 2
4 -10.655 -8.218 2211.		11.6	-84.4	24.9	36.05897			36.1 39.0		28.31796	2- 3
	17004 -61.5	14.0	-88.1	21.8 28.1	37.26124			32.3 48.4		87.51789 61.91891	3- 4
6 -15.521 -13.308 2144.	66788 -56.4	13.6	-85.0	31.5	34.97498			32.4 53.1		00.91117	4>5 5 6
7 -10.784 -14.517 2086.		10.1	-83.1	24.9	34.04085			36.1 39.0		47.85243	6- 7
8 -8.924 -17.590 2025.		8.1	-82.1	23.6	32.94236			38.0 33.2		07.62669	7- 8
9 -8.688 -12.013 2123.		9.4	-82.7	20.4	34.60070			34.3 42.1		67.09633	8- 9
10 -8.436 -5.128 2272.	31961 -75.3	10.5	-83.6	17.4	36.91216			30.6 52.3		06.37245	9-10
11 ~13.154 -3.421 2334.	25781 -67.4			23.4	36.03228		-90.9 84.4			51.65440	
12 -18.924 -0.368 2451.	21826 -59.7	20.5	-94.6		39.85083			30.7 62.2		96.06230	
13 -18.357 -9.034 2254.	67996 -55.0	17.3	-88.3	33.0	36.71550	0.627		34.4 51.3		49.27932	
14 -18.060 -15.534 2133.		14.3	-85.0	36.6	34.64596	0.736	-95.8 73.1	38.1 42.8		87.25034	
15 -13.107 -16.787 2064.		10.7	-83.1	30.0	33.63562	C.8CC	-90.7 71.4	37.9 37.0		54.40938	
16 -8.924 -17.590 2025.	36284 -68.5	8.1	-82.1	23.6	32.94236	0.84C	-86.1 /0.3	38.0 33.2	32.0 1	28.92567	15-16
JULY 31,1964 13 HR 10 M	TN 57 SEC 000	 M.C		TAB NO	27	ATLAS	PHOTO NO	27	POD SEC	QUENCE NO	57
TRAJECTORY DATA	111 37 366 770		SEC TO	EMPACT	ALT	LAT	LCN	R	٧	PTH	AZ
				.801	1859.4735					74.054 11	
PHOTO DATA											
PT LAT LON RA	NGE AZS/C	AZN	AZ SUN	AZA	A+	B/A A	ZPHAZ INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
1 -11.964 -17.807 2029.	59056 -59.6	10.7	-85.2	29.3	35.17337	0.705			31.0	0.	0- 1
2 -13.089 -10.911 2159.		12.7	-84.9		35.27037		-90.8 77.1	34.2 45.6		06.72218	1- 2
3 -10.795 -14.526 2076.	50903 -65.9	10.1	-83.0		33.87430		-88.2 73.4	36.1 39.0	36.9 1	27.67917	2- 3
4 -10.666 -8.259 2200.		11.6	-84.4	21.8	35.88100		-88.0 79.6	32.3 48.4		86.53373	3- 4
5 -15.694 -6.475 2272.		16.0	-88.1	28.1	37.07661	0.602	-93.7 81.6	32.4 53.0	48.3 1	61.09836	4- 5
6 -15.509 -13.322 2134.		13.6	-85.0	31.5	34.80401			36.1 43.7	37.3 1	99.81868	5- 6
7 -10.795 -14.526 2076.		10.1	-83.0		33.87430			36.1 39.0		47.13263	6- 7
8 -8.944 -17.585 2015.		8.1	-82.1	23.6	32.78070			38.0 33.3		07.11654	7- 8
9 -8.709 -12.035 2113.		9.4	-82.7		34.43062			34.3 42.1		66.26472	8- 9
10 -8.457 -5.188 2260.		10.6	-83.6	17.5	36.72747			30.6 52.3		205.20604	9-10
11 -13.152 -3.492 2322.	55063 -67 <u>.4</u>	14.7			37-84154			30-4 55-9		50.88439	
12 -18.892 -0.465 2438.	62415 -59.7	20.5			39.64611			30.7 62.1		94.89078	
13 -18.329 -9.072 2243.		17.3	-88.3		36.53442			34.4 51.2		47.64073	
14 -18.035 -15.538 2123.	17410 -48.8	14.3	-85.0		34.47635			38-1 42-8		86.27711	
15 -13.107 -16.785 2054. 16 -8.944 -17.585 2015.	27087 -58.0	10.7			33.47148			37.9 37.0		53.64376	
16 -8.944 -17.585 2015.	42317 -68.4	8.1	-82.1	23.6	32.78070	U.84C	-86.1 70.3	38.0 33.3	32.0 i	28.30755	15-16

	τ.	AB NO	28	ATLAS PHOTO N	NO 28	POD SEQUENCE NO 59
JULY 31,1964 13 HR 11 MIN 3 SEC 118 MS	,	AD 110	20	ALDIS THOIS I	.0 20	-
TRAJECTURY DATA	SEC TO 1		ALT 1849.72769	LAT LCN -3.786 -34.7	R 97 3585.18	V PTH AZ 3 1.981 -74.023 116.905
PHOTO DATA  PT LAT LON RANGE AZS/C AZ						ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C AZ 1 -11.955 -17.825 2019.10918 -59.6 10.		AZA 29.3	A*	B/A AZPHAZ I 0.705 -92.5 7	0.3 38.5 34.7	
2 -13.087 -10.943 2149.00238 -63.4 12.		26.6	35.09472		7.1 34.2 45.5	42.1 206.36501 1- 2
3 -10.804 -14.539 2065.20561 -65.9 10.		25.0	33.70622		3.4 36.1 39.0	36.8 127.01908 2- 3
4 -10.676 -8.306 2189.18561 -69.9 11.		21.8	35.70092	G.665 -88.0 7	9.5 32.3 48.4	46.9 185.52030 3-4
5 -15.678 -6.534 2261.37338 -61.4 16.		28.1	36.88937		1.5 32.4 53.0	48.2 160.25521 4-5
6 -15.494 -13.341 2123.58597 -56.4 13.		31.5	34.63119		5.0 36.1 43.7	3713 170100171 2 0
7 -10.804 -14.539 2066.20581 -65.9 10. 8 -8.962 -17.583 2005.40913 -68.4 8.		25.0	33.70622		3.4 36.1 39.0 0.3 38.0 33.3	36.8 146.39848 6- 7 32.0 106.59258 7- 8
8 -8.962 -17.583 2005.40913 -68.4 8. 9 -8.728 -12.061 2102.72046 -72.4 9.		23.6	32.61763 34.25691		5.7 34.3 42.0	41.3 165.41315 8- 9
10 8.478 -5.254 2/49.42923 -75.2 10.		17.5	36.54046		2.4 30.6 52.2	51.8 204.00315 9-10
11 -13.149 -3.569 2310.6680067.3 14.		23.4	37.64794	0.563 -90.9 8	4.3 30.4 55.8	53.5 150.09278 10-11
12 -18.857 -0.570 2425.79584 -59.7 20.		29.7	39.43758	C.472 -97.0 E	7.4 30.7 62.0	56.2 193.67373 11-12
13 -18.300 -9.116 2232.28320 -55.0 17.		33.0	36.35067		9.2 34.4 51.2	
14 -18.008 -15.547 2112.61639 -48.8 14.		36.6	34.30496		3.1 38.1 42.8	32.4 185.27065 13-14
15 -13.104 -16.786 2044.09566 -58.0 10.		30.0	33.30569		11.4 37.9 37.0	
16 -8.962 -17.583 2005.40913 -68.4 8.		23.6	32.61763	0.839 -66.1 7	70.3 38.0 33.3	32.0 127.68034 15-16
e e e		AB NO	29	ATLAS PHOTO	NO 29	POD SEQUENCE NO 61
JULY 31,1964 13 HR 11 MIN 8 SEC 238 MS		אם ווט	23	AIDAS IIIOIO		
						V PTH AZ
TRAJECTORY DATA	SEC TO			LAT LCN 1-3.806 -34-1		9 1.983 -73.993 116.900
BUOTO CATA	880.	201	1834.4134	-3.866 -34.	3313.42	1 1.783 13.773 110.700
PHOTO DATA PT LAT LON HANGE AZSZC AZ	N AZSUN	AZA	A •	B/A AZPHAZ	INCO PHAZ EMIS	ALPHA SCALE PT-PT
1 -11.946 -17.844 2008.61781 -59.6 10.		29.3	34.82430	0.705 -92.5	70.3 38.5 34.6	30.9 0. 0-1
2 -13.084 -10.976 2138.21411 -63.4 12.		26.6	34.91854	0.701 -90.8	77.1 34.2 45.5	42.1 205.97675 1- 2
3 -10.812 -14.552 2055.87527 -65.9 10.	1 -83.0	25.0	33.53770		73.4 36.1 39.0	36.8 126.35449 2- 3
4 -10.685 -8.354 21/8.10822 -69.8 11.		21.9	35.52029		79.5 32.3 48.3	
5 -15.661 -6.594 2249.85504 -61.4 16.		28.1	36.70148		91.5 32.4 52.9 75.0 36.1 43.6	
6 -15.480 -13.362 2112.95627 -56.4 13. 7 -10.812 -14.552 2055.87527 -65.9 10.		31.5 25.0	34.45786 33.53770		73.4 36.1 39.0	
7 -10.812 -14.552 2055.87527 -65.9 10. 8 -8.980 -17.582 1995.37193 -68.4 8.		23.7	32.45459		70.3 38.0 33.3	
9 -8.747 -12.088 2092.15143 -72.4 9		20.5	34.08674		75.7 34.3 42.0	
10 -8.498 -5.321 2237.87689 -75.1 10		17.6	36.35289	C.616 -85.3	82.4 30.6 52.2	51.7 202.79399 9-10
11 -13.145 -3.647 2298.74438 -67.3 14.		23.5	37.45367	0.564 -90.9	84.2 30.4 55.8	
12 -18.822 -0.677 2412.91989 -59.7 20.		29.7	39.22828		87.3 30.7 61.9	
13 -18.270 -9.162 2220.97055 -55.0 17.		33.0	36.16670		79.2 34.4 51.1	
14 -17.980 -15.556 2102.02798 -48.9 14		36.5	34.13307		73.1 38.1 42.8 71.4 37.9 37.0	
15 -13.102 -16.788 2033.89392 -58.0 10.	7 -83.1 2 -82.0	30.0	33.13947 32.45459		70.3 38.0 33.3	
16 -8.980 -17.562 1995.37193 -68.4 8	2 -82.0	23.1	32.43437	0.034 -00.1	10.3 30.0 33.2	
JULY 31,1964 13 HR 11 MIN 13 SEC 358 MS	١	TAB NO	30	ATLAS PHOTO	NO 30	POD SEQUENCE NO 63
	SEC TO	140451	AL T	LAT LC	N R	V PTH AZ
TRAJECTORY DATA	875.		1830.2126	2 -3.827 -34.		8 1.985 -73.962 116.895
PHOTO DATA PT LAT LON RANGE AZS/C A	N AZ SUN	A L A	Α.	B/A AZPHAZ	INCU PHAZ EMIS	S ALPHA SCALE PT-PT
1 -11.937 -17.862 1998.11685 -59.6 10		29.3		0.706 -92.5	70.3 38.5 34.6	30.9 0. 0-1
2 -13.0H1 -11.0C9 2127.41327 -63.4 12		26.6	34.74216	C.701 -90.8	77.0 34.2 45.5	42.1 205.58462 1- 2
3 -10.821 -14.566 2045.53264 -65.8 10	1 -83.0	25.0	33.36899		73.4 36.1 39.0	
4 -10.694 -8.402 2167.01889 -69.8 11		21.9	35.33946		79.4 32.3 48.	
5 -15.645 -6.653 2238.32474 -61.4 16		28.1	36.51339		81.4 32.4 52.4	
6 -15.465 -13.382 2102.31384 -56.4 13		31.4	34.28432		74.9 36.1 43.0 73.4 36.1 39.0	
7 -10.821 -14.566 2045.53264 -65.8 10 8 -8.998 -17.581 1985.32339 -68.3 8		25.0 23.7	33.36899 32.29116		70.3 38.0 33.	<del>-</del>
9 -8.766 -12.116 2081.57053 -72.3 9		20.6	33.91437		75.7 34.3 42.0	
10 -8.518 -5.388 2226.31415 -75.1 10		17.6	36.16514		B2.3 30.6 52.	1 51.7 201.58556 9-10
11 -13.141 -3.726 2286.81039 -67.3 14		23.5	37.25924		84.1 30.4 55.	7 53.3 148.50020 10-11
12 -18.786 -0.784 2400.03836 -59.7 20		29.7	39.01888		87.2 30.7 61.	
13 -18.241 -9.208 2209.64539 -55.0 17		33.0	35.98233		79.2 34.4 51.	
14 -17.953 -15.566 2091.42700 -48.9 14		36.5	33.96098		73.1 38.1 42.	
15 -13.099 -16.791 2023.68008 -58.0 10		30.0 23.7	32.973C5 32.29116		71.4 37.9 37. 70.3 38.0 33.	
16 -8.998 -17.581 1985.32339 -68.3 8	-02.0	23.1	32.29116	0.039 -00.1	10.5 30.0 33.	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

RA-VII CAMEKA F8

		RA-VI	I CAMERA	FE					11
JULY 31,1964 13 HR 11 MIN 18 SEC	478 MS		TAB NO	31	ATLAS PHOTO	NO 31		POD SEQUENCE NO	65
TRAJECTORY DATA			IMPACT	ALT	LAT L	ON	R	V PTH AZ	
PHOTO DATA		870	.321	1820.4434	2 -3.847 -34	•677	3555.899	1.986 -73.931 116.6	889
	S/C AZN	A 7 C LIN							
1 -11.928 -17.88C 1987.60597 -5	9.6 10.6		AZA 29.3	A. 34.47455	B/A AZPHAZ	INCD PH	AZ EMIS A		
	3.4 12.7		26.6	34.56611		70.2 38 77.0 34		30.9 0. 0-	- 1
	5.8 10.1	-83.0	25.0	33.20049		73.4 36		42.0 205.23578 1- 36.8 125.02856 2-	- 2
	9.8 11.7	-84.3	21.9	35.15909		79.4 32			- 4
5 -15.629 -6.712 2226.82639 -6	1.4 16.0	-88.0		36.32582		81.4 32		48.1 157.71438 4-	
	6.4 13.5	-85.0	31.4	34.11162		74.9 36	.1 43.6	37.3 195.28557 5-	
	5.8 10.1	-83.0	25.0	33.20049	0.778 -88.2	73.4 36			- 7
8 -9.016 -17.578 1975.28452 -6	8.3 8.2	-82.0	23.7	32.12788		70.3 38		32.0 105.01205 7-	- 8
	2.3 9.4	-82.7	20.6	33.74233		75.6 34		41.2 162.84987 8-	- 9
10 -8.539 -5.454 2214.79025 -7	5.1 10.6		17.7	35.97802		82.2 30	•6 52•1		-10
11 -13.138 -3.802 2274.91986 -6	7.3 14.7	-87.6	23.5	37.06551		84.0 30	• 4 55 • 6	53.2 147.70779 10-	:11
12 -18.751 -0.888 2387.21591 -5 13 -18.211 -9.252 2198.34448 -5	9.7 20.3	-94.2	29.7	38.81045		87.1 30	.7 61.7	55.8 190.02330 11-	
	5.0 17.2 8.9 14.2	-88.2	33.0	35.79835		79.1 34	4 51.0	42.9 240.81281 12-	
		-85.0	36.5	33.78906		73.1 38	.1 42.8	32.3 182.24047 13-	
	8.0 10.7 8.3 8.2	-83.1 -82.0	30.0	32.80678		71.4 37	•9 37•0	32.4 150.50751 14-	
2,00,00			23.7	32.12/88	0.839 -86.1	70.3 38	.0 33.3	32.0 125.79003 15-	-16
			TAB NO	32	ATLAS PHOTO	NO 32		POD SEQUENCE NO	67
JULY 31,1964 13 HR 11 MIN 23 SEC	598 MS		1112 110	OL.	A1010 111010	, 110 Jz		FOD SEQUENCE NO	0/
TRAJECTORY DATA									
			IMPACT .201	IRIO-CCC5		EN 434	R 3546.1 <i>22</i>	V PTH AZ 1.988 ~73.900 116.6	884
PHOTO DATA									
PT LAT LON RANGE AZ	S/C AZN	AZSUN	AZA	Δ.	B/A AZPHAZ	INCD PH	AZ EMIS A	LPHA SCALE PT-	PT
1 -11.919 -17.899 1977.08510 -5	9.6 10.6	-85.2	29.3	34.29963	0.706 -92.5		.5 34.5		- 1
	3.4 12.7	-84.8	26.6	34.38988		77.0 34	.2 45.4		- 2
	5.8 10.1	-63.0	25.1	33.03183		73.4 36			- 3
	9.7 11.7	-84.3	22.0	34.97857		79.3 32			- 4
	1.4 15.9	-88.0		36,13811		81.3 32	4 52.7	48.0 156.86920 4-	- 5
6 -15.435 -13.421 2081.04767 -5		-85.0	31.4	33.93753		74.9 36	1 43.6	37.3 194.16135 5-	
	5.8 10.1	-83.0	25.1	33.03183		73.4 36			- 7
	8.3 8.2	-82.0	23.8	31.96444		70.3 38			- 8
	2.2 9.4	-82.7	20.6	33.57012		75.6 34.			- 9
	5.0 10.6	-83.5	17.7	35.79078		82.2 30			-10
	7.3 14.7 9.7 20.3	-87.5 -94.1	23.5	36.87168	0.567 -90.9	84.0 30	4 55.6	53.2 146.91512 10-	
	5.0 17.1	-88.2	29 <b>.7</b> 33 <b>.</b> 0	38.60199 35.61420		87.0 30		55.7 188.81889 11-	
	8.9 14.2	-85.0	36.4	33.61696		79.1 34. 73.1 38	4 51.0	42.8 239.13548 12-	
	8.0 10.7	-83.1	30.0	32.64034	0.800 -90.8	71.4 37.		32.3 181.23707 13-	
	8.3 8.2		23.8	31.96444	0.839 -86.1	70.3 38		32.4 149.72219 14- 32.0 125.15911 15-	
JULY 31,1964 13 HR 11 MIN 28 SEC	718 MS		TAB NO	33	ATLAS PHOTO	NO 33		POD SEQUENCE NO	69
TRAJECTORY DATA		SEC TO	1 MPACT	AL T	LAT L	CN	R	V PTH AZ	
		860	•082	1800.8814				1.990 -73.869 116.8	379
PHOTO DATA									
	S/C AZN		AZA	A *	B/A AZPHAZ	INCO PH	AZ EMIS A	LPHA SCALE PT-	-PT
1 -11.910 -17.917 1966.55449 -5	9.6 10.6	-85.2	29.3	34.12449		70.2 38	5 34.5	30.8 0. 0-	- 1
	3.4 12.7	-84.8	26.6	34.21344		76.9 34			- 2
	5.8 10.1	-83.0	25.1	32.86296		73.4 36.			- 3
	9.7 11.7	-84.3	22.0	34.79783		79.3 32.	.3 48.2		- 4
	1.4 15.9	-87.9	26.2	35.95018		81.2 32			- 5
	6.4 13.5	-85.0	31.4	33.76383		74.9 36			- 6
	5.8 10.1	-83.0	25.1	32.86296		73.4 36.			. 7
0 76031 -116374 1933417403 -0	8.2 8.2	-82.0	23.8	31.80081		70.3 38.			- 8
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2.2 9.5 5.0 10.6	-82.7	20.7	33.39771		75.6 34			- 9
30301 2131030 1			17.8	35.60335		82.1 30			-10
	7.2 14.7 9.7 20.2			36.67764				53-1 146-12182 10-	
	5.0 17.1	-88.1		35.42984		86.9 30.		55.6 187.61678 11-	
	9.0 14.2	-85.0	32.9 36.4	33.44464		79.0 34. 73.1 38.		42.8 237.46276 12-	
	8.0 10.7			32.47369	0.8CC -90.8	71.4 37		32.3 180.23278 13- 32.4 148.93591 14-	
	8.2 8.2		23.8	31.80081		70.3 38		32.4 148.93591 14- 32.0 124.52728 15-	

		RA-VII	CAMERA	FB							12
	S.C. 030 HG	1	TAB NO	34	ATLAS	PHOTO N	10 34	ļ	POD S	EQUENCE NO	71
JULY 31,1964 13 HR 11 MIN 33	SEC 838 MS										
TRAJECTORY DATA		SEC TO 854.		ALT 1791.08844	LAT -3.90	LCN 9 -34.5	54	R 3526.544	v 1.992	PTH -73.838 11	AZ 6.873
PHOTO DATA PT LAT LON RANGE	AZS/C AZN	A7 SIIN	AZA	A •	B/A A	ZPHAZ I	NCD PH	AZ ENTS	AL PHA	SCALE	PT-PT
1 -11.901 -17.936 1956.01361	-59.6 10.6	-85.2	29.3	33.94912	C.707	-92.5 7	0.2 38	.6 34.4	30.8	0.	0-1
2 -13.070 -11.136 2084.21970	-63.3 12.7	-84.8	26.7	34.03678		-90.8 7	6.9 34		42.0		1- 2 2- 3
	-65.8 10.1 -69.7 11.7	-83.0 -84.3	25.1	32.69388		-86.2 7 -88.0 7	3.3 36	.0 39.0 .3 48.1	36.8 46.6	179.44334	3- 4
	-01.4 15.9		22.0	35.76204	804.0			.4 52.6		155.17648	
6 -15.405 -13.460 2059.73007	-56.4 13.5	-85.0	31.4	33.58991	C.726	-93.4 7	4.9 36	.1 43.5	37.2	191.91186	5- 6
7 -10.856 -14.617 2004.14777	-65.8 10.1		25.1	32.69388				.0 39.0	36 - R	141.96756	6 7
8 -9.069 -17.572 1945.10185	-68.2 8.2		23.8	31.63699	0.839	-60.1 /	0.3 38	.0 33.3	32.0	103.43173	7~ 8 8- 9
9 -8.842 -12.219 2039.25821 10 -8.599 -5.650 2180.16196	-72.2 9.5 -74.9 10.6		20.7 17.8	33.22509 35.41573	0.745	-85.8 7 -85.3 8	5.6 34	.3 41.9 .5 51.9	41.1 51.4	196.81876	
10 -8.599 -5.650 2180.16196 11 -13.127 -4.032 2239.19244	-74.9 10.6	-67.5	23.6	36.48342				.4 55.4		145.32803	
12 -18.647 -1.200 2548.72052	-59.7 20.2	-93.9	29.7	38.18468		-97.1 8	6.8 30	.7 61.4	55.5	186.41702	11-12
13 -18.122 -9.386 2164.37134	-55.0 17.1	-88.1	32.9	35.24525		-96.4 7	9.C 34	.4 50.9	42.7	235.79473	
14 -17.841 -15.600 2048.99219	-49.0 14.2	-85.0	30.4	33.27211	0.738			.1 42.7	32.3	179.22770	13-14
	-58.0 10.7		30.0	32.30683	0.800			.9 37.0	32.4	148.14869	14-15
16 +9.069 -17.572 1945.10185	-68.2 8.2	-82.0	23.8	31.63699	0.839	-86.1 7	0.3 38	.0 33.3	32.0	123.89447	13-16
•		1	AB NO	35	ATLAS	PHOTO N	10 35	;	POD S	EQUENCE NO	73
JULY 31,1964 13 HR 11 MIN 38	SEC 958 MS										
					LAT	LEN		R	v	PTH	ΑZ
TRAJECTORY DATA		SEC TO 849.		ALT 1781.28745						-73.806 11	
PHOTG DATA		047.	072	110112014	, ,,,		• -				
PT LAT LON RANGE		AZ SUN		Δ+		ZPHAZ I				SCALE	PT-PT
1 -11.892 -17.954 1945.46268			29.3	33.77351				.6 34.4		0.	0- 1
2 -13.067 -11.168 2073.38785	-63.3 12.7		26.7	33.85989				.2 45.4 .C 39.0	41.9	203.81052	
3 -10.864 -14.630 1993.76958 4 -10.741 -8.635 2111.59567	-65.7 10.1 -69.7 11.7		25.1	32.52458 34.43571	944.0	-88 A 7	9. 2 32	. 3 48.1	46.6	178.43221	3- 4
4 -10.741 -8.635 2111.59567 5 -15.563 -6.946 2180.71725		-87.9	28.2	35.57367	0.608	-93.7 8	1.1 32	4 52.6	47.8	154.32891	
6 -15.390 -13.479 2049.05057	-56.4 13.5	-85.0	31.4	33.41577		-93.4 7	4.8 36	.1 43.5	37.2	190.78663	5- 6
7 -10.864 -14.630 1993.76958	-65.7 10.1		25.1	32.52458	C.778			.0 39.0	36.8	141.22631	6- 7
8 -9.087 -17.570 1935.01653	-68.2 8.2		23.8	31.47295				.0 33.3	32.0	102.90312	7- 8
9 -8.861 -12.246 2028.64854	-72.1 9.5		20.8	33.05225				.3 41.9	41.1 51.4	159.44082	8- 9 9-10
10 -8.620 -5.716 2168.59515	-74.9 10.7 -67.2 14.6		17.9 23.6	35.22791 36.28900				4 55.4		144.53343	
11 -13.123 -4.109 2227.25906 12 -18.611 -1.304 2335.87271	-59.7 20.1		29.7	37.97583		-97.1 8	6.7.30	.7 61.3	55.4	185.21943	
13 -18.092 -9.431 2153.01956	-55.0 17.0		32.9	35.06044				.4 50.8	42.7	234.13110	12-13
14 -17.813 -15.609 2038.35060	-49.0 14.2		36.3	33.09935				.1 42.7	32.3	178.22179	
15 -13.065 -16.798 1972.53773	-58.0 10.7		30.0	32.13975				.9 37.0	32.4	147.36059	
16 -9.087 -17.570 1935.01653	-68.2 8.2	-82.0	23.8	31.47295	0.839	-86.1 7	0.3 38	1.0 33.3	32.0	123.26063	12-19
			TAB NO	36	ATLA	S PHOTO I	NO 3	6	POD S	SEQUENCE NO	75
JULY 31,1964 13 HR 11 MIN 44	SEC 78 MS						-			-	
TRAJECTORY DATA		SEC TO		ALT	LAT	LCN 51 -34.4		7506 93	V 4 D Q A	PTH -73.775 1	AZ 16.863
PHOTO DATA		844.	122	1771.4785	8 -3.5	31 -34.4	,,,	2200.73	1 1.770	-134113 1	10.003
PT LAT LON RANGE	AZS/C AZM	AZSUN	AZA	A #	B/A	AZPHAZ I	NCC PH	AZ EMIS	ALPHA	SCALE	PT-PT
1 -11.883 -17.972 1934.90178	-59.6 10.6		29.3	33.59768	0.707	-92.5	70.2 38	.6 34.4	30.7	0.	0-1
2 -13.064 -11.200 2062.54266	-63.3 12.7		26.7	33.68278				45.3	41.9	203.44208	1- 2
3 -10.873 -14.644 1983.37851	-65.7 10.1		25.1	32.35507				39.0	36.8	121.71559	
4 -10.750 -8.682 2100.47214	-69.6 11.7		22.1 28.2	34.25432 35.38510				2.3 48.0 2.4 52.5	46.5 47.8	153.48084	
5 -15.547 -7.005 2169.15707 6 -15.375 -13.499 2038.35802	-61.4 15.6 -56.4 13.5		31.4	33.24140				5.1 43.5	37.2	189.66113	
7 -10.873 -14.644 1983.37851	-65.7 10.1		25.1	32.35507	0.778			39.0		140.48420	6- 7
8 -9.104 -17.568 1924.91913	-68.1 8.2		23.9	31.30873	0.839	-86.1	70.3 3	8.0 33.3	32.0	102.37363	7- B
9 -8.880 -12.272 2018.02596	-72.1 9.5	-82.6	20.8	32.87920	0.746	-85.8	75.5 3	4.3 41.9	41.1	158.58578	
10 -8.640 -5.782 2157.01611	-74.9 10.		17.9	35.03989		-85.3	31.9 3	0.5 51.8	51.3	194.43744	9-10
11 -13.119 -4.186 2215.31400	-67.2 14.0	-87.4	23.6.	36.09438		-90.9. -97.1	1.1.3	0.7 61.2		143.73831 184.02462	11-12
12 -18.576 -1.408 2323.01788 13 -18.062 -9.476 2141.65503	-59.7 20.1 -55.0 17.0		29.7 32.9	37.76687 34.87542				4.4 50.8		232.47202	12-13
14 -17.785 -15.618 2027.69650	-49.1 14.3		36.3	32.92640				8.1 42.7		177.21520	13-14
15 -13.082 -16.800 1962.27129	-58.0 10.		30.0	31.97248	0.800	-90.8	71.4 3	7.9 37.0	32.4	146.57164	14-15
16 -9-104 -17-568 1924-91913			23.9	31.30873				8.0 33.3		122.62616	15-16

		R4-VII	CAMERA	Fê						13
JULY 31,1964 13 Ha 11 MIN 49 S	EC 197 MS	T	AB NO	37	ATLAS	PHOTO NO	37	POD S	SEQUENCE NO	77
TRAJECTORY DATA		sec to 1	₩PAC T	ALT	LAT	LEN	R	v	0.714	
PHOTO DATA		839.6		1761.66162		2 -34.429			PTH -73.743 11	AZ 6.857
	AZS/C AZ	N AZ SUN	AZA	Δ.	B/A AZ	PHAZ INCO	PHAZ EMIS	A1 DHA	SCALE	PT-PT
1 -11.873 -17.991 1924.33069	-59.6 10.	5 -85.2	29.3	33.42179	0.707 -	92.5 70.1	38.6 34.3	30.7	0.	0- i
	-63.3 12. -65.7 10.	7 -84.8 1 -83.0	26.7 25.2	33.50557			34.2 45.3	41.9	203.07746	1- 2
4 -10.759 -8.729 2089.33838	-09.6 11.		22.1	32.18543 34.07277	0.778 -		36.0 39.0 32.3 48.0	36.7 46.5	121.05285	
5 -15.530 -7.064 2157.59644	-61.4 15.	8 -87.6	28.2	35.19651	C.61C -	93.8 81.0	32.4 52.5		152.63694	
	-56.4 13.		31.4	33.06702			36.1 43.5	37.2	188.53628	5- 6
	-65.7 10. -68.1 8.		25.2 23.9	32.18543			36.0 39.0 38.0 33.4	36.7 32.0	139.74468	6- 7
9 -8.899 -12.299 2007.39111	-72.1 9.		20.8	32.70596			34.3 41.9	41.1	157.72873	7- 8 8- 9
	-74.8 10.		18.0	34.85164	0.622 -	85.3 81.9	30.5 51.7	51.2	193.24516	9-10
	-67.2 14. -59.7 20.		23.7 29.7	35.89969			30.4 55.2	52.8	142.94652	
	-55.1 17.		32.9	37.55814			30.7 61.1 34.4 50.7	55.1 42.6	182.84119 230.82108	
14 -17.757 -15.627 2017.04596	-49.1 14.		36 • 3	32.75349			38.1 42.6	32.3	176.20947	
15 -13.079 -16.801 1952.00035	-58.0 10.	7 -83.2	30.0	31.8C512		90.8 71.4	37.9 37.0	32.4	145.78634	14-15
16 -9.122 -17.567 1914.81192	-68.1 8.	2 -82.0	23.9	31.14434	0.839 -	86.1 70.3	38.C 33.4	32.0	121.99272	15-16
		TA	AB NO	38	ATLAS	PHOTO NO	38	POD S	EQUENCE NO	79
JULY 31,1964 13 HR 11 MIN 54 S	EC 317 MS									
TO A SECTION DATA		SEC TO I	MPACT	ALT	LAT	LCN	R	٧	PTH	AZ
PHOTO DATA			نڌ	1751.03640	-1.994	-34.387	3487.29	2.000	-73.711 11	6.852
	AZS/C AZ	N AZ SUN	AZA	Α.	B/A AZ	DUAT INCO	PHAZ EMIS		· conid	PT-PT
	-59.6 10.		29.3	33.24566			38.6 34.3	30.7	SCALE O.	0- 1
	-63.3 12.	5 -84.8	26.7	33.32813	0.704 -		34.2 45.3	41.8	202.70688	1- 2
	-65.7 10.		25.2	32.01556			36.0 38.9	36.7	120.38915	
	-69.6 11. -61.4 15.		22.2	33.89099			32.3 48.0 32.4 52.4	46.4	175.39270	3- 4 4- 5
6 -15.346 -13.539 2016.95563	-56.5 13.		31.4	32.89240			36.1 43.5	37.1	151.79199 187.41099	4- 5 5- 6
	-65.7 10.		25.2	32.01556	0.779 -	88.2 73.3	36.0 38.9	36.7	139.00403	6- 7
	-68.1 8. -72.0 9.		23.9	30.97975			38.0 33.4	32.0	101.31442	
7 01717 121320 1770114230	-72.0 9. -74.8 10.		20.9 18.0	32.53249			34.3 41.9 30.5 51.6	41.0 51.2	156.87056 192.05304	
11 -13.112 -4.340 2191.40155	-67.1 14.	5 -87.3	23.7	35.70478			30.4 55.1	52.7	142.15392	10-11
12 -18.507 -1.615 2297.32642	-59.7 20.	-93.6	29.7	37.34924		97.1 86.4	30.7 61.0	55.0	181.65955	11-12
	-55.1 16.9 -49.1 14.		32.9 36.3	34.50529 32.58036		96.4 78.8	34.4 50.7	42.6	229.17424	
	-58.0 10.		30.0	31.63755			38.1 42.6 37.9 37.0	32.3 32.4	175.20271 144.99983	
	-68.1 8.		23.9	30.97975			38.0 33.4	32.0	121.35848	
		¹TA	B NO	39		рното по	39	POD SI	EQUENCE NO	
JULY 31,1964 13 HR 11 MIN 59 S	EC 437 MS								LQUEITOE ITO	01
TRAJECTORY DATA		SEC TC I		AL T	LAT	LON	R	٧	PTH	AZ
PHOTE DATA		829.3	£2 !	1742.00330	-4.C15	-34.345	3477.45	2.002	-73.679 11	6.846
	AZS/C AZ	N AZSUN	AZA	Δ.	B/A AZ	PHAZ THEN	PHAZ EMIS	AI PHA	SCALE	PT-PT
1 -11.855 -18.028 1903.15779	-59.6 10.	5 -85.2	29.3	33.06910	0.708 -	92.5 70.1	38.6 34.3	30.6	O.	0- 1
2 -13.056 -11.299 2029.93494	-63.3 12.		26.7	33.15027	C.704 -	90.8 76.8	34.2 45.3	41.8	202.31438	1- 2
	-65.6 10. -69.5 11.		25.2 22.2	31.84532	0.779 -		36.0 38.9	36.7		2- 3
	-61.3 15.		28.2	34.81841			32.3 47.9 32.4 52.4	46.4 47.6	174.37426 150.94450	3- 4 4- 5
6 -15.331 -13.560 2006.22318	-56.5 13.		31.4	32.71739			36.1 43.4	37.1	186.28098	
	-65.6 10.		25.2	31.84532	0.779 -	88.2 73.3	36.0 38.9	36.7	138.26130	6- 7
- 70137 110703 1074033211	-68.0 8. -72.0 9.		24.0 20.9	30.81484			38.0 33.4 34.3 41.8	32.0		7- 8
10 -8.701 -5.982 2122.18344	-74.7 10.	7 -63.4	18.1	34.47426			30.5 51.6	41.0 51.1	156.00875 190.85669	8- 9 9-10
11 -13.108 -4.418 2179.40836	-67.1_ 14.	-87.3	23.7	35.50938.	.C.574	90.9 83.4			141.35901	
12 -18.472 -1.719 2284.44504	-59.7 19.	9 -93.5	29.7	37.13985	0.489 -	97.1 86.3	30.7 60.9	54.9	180.47629	11-12
14 -17.702 -15.646 1495 40382	-55.1 16.4		32.9	34.31966			34.4 50.6	42.5	227.52381	
15 -13.074 -16.806 1931.41013	-55.1 16.9 -49.1 14. -58.0 10.	1 -85.0	32.9 36.2 30.0	32.40686	0.739 -	95.8 73.0	38.1 42.6	32.3	174.19173	13-14
	-49.1 14. -58.0 10.	1 -85.0 7 -83.2	36.2		0.739 - 0.800 -	95.8 73.0		32.3 32.4		13-14 14-15

			RA-VII	CAMERA	, Fe								14
JULY 31,1964 13 HR 12 M	IN 4 SEC 557	' MS	1	TAB NO	40	ATLAS	РНОТО	NO	40		POD SI	EQUENCE NO	83
TRAJECTORY DATA			SEC TO		ALT	LAT	LO		•	R	٧		Z
PHOTO DATA			824.	242	1732.16187	-4.03	6 -34.	302	346	57.617	2.004	-73.647 116	.071
PT LAT LCN RA	NGE AZS/C	AZN	AZSUN	AZA	Α•	B/A A	ZPHAZ	INCD	PHAZ	EMIS .	ALPHA	SCALE F	T-PT
1 -11.846 -18.046 1892.	55591 -59.5	10.6	-85.2	29.3	32.89106	0.708	-92.5	70.1	38.6	34.2	30.6	0.	0-1
2 -13.054 -11.336 2018.	94891 -63.3		-84.7	26.7	32.97086			76.7				201.79744	1- 2
3 -10.908 -14.703 1941. 4 -10.787 -8.878 2055.		10.2	-83.0	25.2	31.67383		-88.2	73.3 79.0	36.0	38.9	36.7 46.3	119.04124 173.33067	3- 4
4 -10.787 -8.878 2055. 5 -15.481 -7.247 2122.	69232 -61.3	11.7	-84.2 -87.7	22.2	33.52478 34.62715	0.612				52.3		150.08496	4-5
6 -15.316 -13.585 1995.	40669 -56.5	13.4	-85.0	31.4	32.54101	0.727	-93.4	74.7	36.1	43.4	37.1	185.12093	5- 6
7 -10.908 -14.703 1941.	61720 -65.6	10.2	-83.0	25.2	31.67383	0.779		73.3	36.0	38.9	36.7	137.51108	6- 7
8 -9.177 -17.567 1884.		8.3	-82.0	24.0	30.64888		-86.1	70.3			32.0	100.23967	?- 8 8- 9
9 -8.957 -12.386 1975.		9.5	-92.6	21.0	32.18335		-85.8	75.4			41.0 51.0	155.12885 189.62843	
10 -8.722 -6.054 2110. 11 -13.105 -4.502 2167.		10.7	-83.4 -87.2	18.1 23.7	34.28331 35.31171		-85.3 -90.9	81.7 83.4			52.5	140.55126	
12 -18.436 -1.830 2271.		19.9	-93.4	29.7	36.92779		-97.1			60.7	54.8	179.27094	11-12
13 -17.942 -9.661 2096.		16.9	-88.0	32.9	34.13230		-96.4	78.7			42.4	225.82370	12-13
14 -17.674 -15.659 1984.		14.1	-85.0	36.2	32.23216	0.739	-95.8	73.0			32.3	173.15571	13-14
15 -13.071 -16.812 1921.		10.7	-83.2	30.0	31.30061		-90.8	71.4			32.4	143.41608	
16 -9.177 -17.567 1884.	34863 -68.0	8.3	-82.0	24.0	30.64888	0.838	-86.1	70.3	38.0	33.4	32.0	120.08163	12-10
				TAB NO	41	ATLAS	в РНОТО	NO	41		POD S	EQUENCE NO	85
JULY 31,1964 13 HR 12 M	IN 9 SEC 67	7 MS		110	74	71.01							
TRAJECTORY DATA			SEC 10		ALT	LAT		DN .		K	y		A Z
BURTO DATA			819.	122	1722.31259	-4.C	68 -34	.259	34	51.168	2.006	-73.614 11	0.033
PHOTO DATA PT LAT LON RA	NGE AZSZĆ	- A 7 N	AZ SUN	AZA	A •	B/A A	ZPHAZ	TNCD	PHAZ	FMIS	AL PHA	SCALE	PT-PT
1 -11.837 -18.065 1881.				29.3	32.71279	0.709				34.2		0.	0-1
2 -13.051 -11.374 2007.			-84.7	26.8	32.79124	0.705	-90.9	76.7	34.2	45.2	41.7	201.27682	1- 2
3 -10.917 -14.721 1931.	09207 -65.6	10.2	-83.0	25.3	31.50214		-88.2					118.35944	2- 3
4 -10.796 -8.931 2044.		11.7	-84.2	22.3	33.34060		-88.1			47.8	46.3	172.28694 149.22475	3- 4 4- 5
5 -15.464 -7.312 2110. 6 -15.301 -13.609 1984.		15.7	-67.7 -85.0	28.2 31.4	34.43569 32.36441		-93.8 -93.4	74 7	34.4	52.2 43.4	37.1	183.96129	5- 6
6 -15.301 -13.609 1984. 7 -10.917 -14.721 1931.					34.30441					38.9			
			-83.0	25.3	31.50214	0.779	-88.2				36.7	136.75989	6- 7
8 -9.195 -17.570 1874.		8.3	-83.0 -82.0	25.3 24.0	31.50214		-88.2 -86.1			33.4	36.7 32.0	136.75989	7- 8
8 -9.195 -17.570 1874. 9 -8.976 -12.418 1964.	13339 -68.0	8.3 9.5		25.3 24.0 21.0	30.48274 32.00787	0.838	-86.1 -85.8	70.3 75.4	38.0 34.3	33.4 41.8	32.0 40.9	99.69645 154.24819	7- 8 8- 9
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098.	13339 -68.0 53781 -71.9 65326 -74.7	8.3 9.5 10.7	-82.0 -82.6 -83.4	24.0 21.0 18.2	30.48274 32.00787 34.09220	0.838 0.747 0.626	-86.1 -85.8 -85.3	70.3 75.4 81.6	38.0 34.3 30.5	33.4 41.8 51.4	32.0 40.9 51.0	99.69645 154.24819 188.40118	7- 8 8- 9 9-10
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155.	13339 -68.0 53781 -71.9 65326 -74.7 13382 <u>-67.1</u>	8.3 9.5 10.7 14.6	-82.0 -82.6 -83.4 -87.2	24.0 21.0 18.2 23.8	30.48274 32.00787 34.09220 35.11389	0.838 0.747 0.626 0.576	-86.1 -85.8 -85.3 -90.9	70.3 75.4 81.6 83.3	38.0 34.3 30.5 30.4	33.4 41.8 51.4 54.9	32.0 40.9 51.0 52.5	99.69645 154.24819 188.40118 139.74333	7- 8 8- 9 9-10 10-11
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258.	13339 -68.0 53781 -71.9 65326 -74.7 13382 -67.1 34888 -59.6	8.3 9.5 10.7 14.6 19.8	-82.0 -82.6 -83.4 -87.2 -93.3	24.0 21.0 18.2 23.8 29.7	30.48274 32.00787 34.09220 35.11389 36.71565	0.838 0.747 0.626 0.576 0.493	-86.1 -85.8 -85.3 -90.9 -97.1	70.3 75.4 81.6 83.3 86.1	38.0 34.3 30.5 30.4 30.7	33.4 41.8 51.4 54.9 60.6	32.0 40.9 51.0 52.5	99.69645 154.24819 188.40118 139.74333 178.06811	7- 8 8- 9 9-10 10-11 11-12
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9.712 2084.	13339 -68.0 53781 -71.9 65326 -74.7 13382 -67.1 34888 -59.6 48792 -55.1	8.3 9.5 10.7 14.6 19.8 16.8	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0	24.0 21.0 18.2 23.8 29.7 32.8	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473	0.838 0.747 0.626 0.576 0.493 0.637	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4	70.3 75.4 81.6 83.3 86.1 78.7	38.0 34.3 30.5 30.4 30.7 34.4	33.4 41.8 51.4 54.9 60.6 50.5	32.0 40.9 51.0 52.5 54.7 42.4	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960	7- 8 8- 9 9-10 10-11 11-12 12-13
9 -8.976 -12.418 1964. 10 -8.742 -0.127 2098. 11 -13.101 -6.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1774.	13339 -68.0 53781 -71.9 65326 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -49.2	8.3 9.5 10.7 14.6 19.8 16.8 14.0	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -85.0	24.0 21.0 18.2 23.8 29.7 32.8 36.2	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725	0.838 0.747 0.626 0.576 0.493 0.637 0.740	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8	70.3 75.4 81.6 83.3 86.1 78.7 73.0	38.0 34.3 30.5 30.4 30.7 34.4 38.1	33.4 41.8 51.4 54.9 60.6 50.5 42.6	32.0 40.9 51.0 52.5	99.69645 154.24819 188.40118 139.74333 178.06811	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9.712 2084.	13339 -68.0 53781 -71.9 65326 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -49.2 65022 -58.0	8.3 9.5 10.7 14.6 19.8 16.8	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0	24.0 21.0 18.2 23.8 29.7 32.8	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473	0.838 0.747 0.626 0.576 0.493 0.637 0.74C	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9	33.4 41.8 51.4 54.9 60.6 50.5	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -6.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1974. 15 -13.009 -15.819 1910.	13339 -68.0 53781 -71.9 65326 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -49.2 65022 -58.0	8.3 9.5 10.7 14.6 19.8 16.8 14.0	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -85.0 -83.1 -82.0	24.0 21.0 18.2 23.8 29.7 32.8 36.2 30.0 24.0	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274	0.838 0.747 0.626 0.576 0.493 0.637 0.740 0.838	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0	33.4 41.8 51.4 54.9 60.6 50.5 42.6 37.0	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9712 2084. 14 -17.666 -15.673 1374. 15 -13.069 -15.819 1910. 16 -9.195 -17.570 1874.	13339 -68.0 53781 -71.9 65526 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -49.2 65022 -58.0 13339 -68.0	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -85.0 -83.1 -82.0	24.0 21.0 18.2 23.8 29.7 32.8 36.2 30.0	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138	0.838 0.747 0.626 0.576 0.493 0.637 0.740 0.838	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9	33.4 41.8 51.4 54.9 60.6 50.5 42.6 37.0	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -6.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1974. 15 -13.009 -15.819 1910.	13339 -68.0 53781 -71.9 65526 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -49.2 65022 -58.0 13339 -68.0	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -85.0 -83.1 -82.0	24.0 21.0 18.2 23.8 29.7 32.8 36.2 30.0 24.0	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274	0.838 0.747 0.626 0.576 0.493 0.637 0.740 0.838	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0	33.4 41.8 51.4 54.9 60.6 50.5 42.6 37.0	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9712 2084. 14 -17.666 -15.673 1374. 15 -13.069 -15.819 1910. 16 -9.195 -17.570 1874.	13339 -68.0 53781 -71.9 65526 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -49.2 65022 -58.0 13339 -68.0	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -85.0 -83.1 -82.0	24.0 21.0 18.2 23.8 29.7 32.8 36.2 30.0 24.0	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274 42	0.838 0.747 0.626 0.576 0.493 0.637 0.740 0.800 0.838 ATLAS	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4 70.3 NO	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0	33.4 41.8 51.4 54.9 60.6 50.5 42.6 37.0 33.4	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 32.0 POD S	99.69645 158.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1974. 15 -13.004 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31,1964 13 HR 12 M	13339 -68.0 53781 -71.9 65526 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -49.2 65022 -58.0 13339 -68.0	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -85.0 -83.1 -82.0	24.0 21.0 18.2 23.8 29.7 32.8 36.2 30.0 24.0	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274	0.838 0.747 0.626 0.576 0.493 0.637 0.740 0.800 0.838 ATLAS	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4 70.3 NO	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0	33.4 41.8 51.4 54.9 60.6 50.5 42.6 37.0 33.4	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 32.0 POD S	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9712 2084. 14 -17.666 -15.673 1374. 15 -13.069 -15.819 1910. 16 -9.195 -17.570 1874.  JULY 31.1964 13 HR 12 M  TRAJECTURY DATA  PHOTO DATA	13339 -68.0 53781 -71.9 65326 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -49.2 65022 -58.0 13339 -68.0	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -85.0 -83.1 -82.0	24.0 21.0 18.2 23.8 36.2 30.0 24.0 TAB NO	30.48274 32.00787 34.09220 35.11389 36.7156 33.94473 32.05725 31.13138 30.48274 42 ALT 1712.45435	0.838 0.747 0.626 0.576 0.493 0.637 0.746 0.800 0.838 ATLAS	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4 70.3 NO	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0 42	33.4 41.8 51.4 54.9 60.6 50.5 42.6 37.0 33.4	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 32.0 POD S	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1774. 15 -13.009 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31.1964 13 HR 12 M TRAJECTURY DATA PHOTO DATA PT LAT LON RA	13339 - 68.0 53781 - 71.9 65326 - 74.7 13382 - 67.1 34888 - 97.4 48792 - 55.1 15669 - 49.2 65022 - 58.0 11 14 SEC 79	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3	-82.0 -83.4 -87.2 -93.3 -88.0 -85.0 -83.1 -82.0	24.0 21.0 18.2 23.8 29.7 32.8 36.2 30.0 24.0 TAB NO	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274 42 ALT 1712.45435	0.838 0.747 0.626 0.576 0.493 0.637 0.74C 0.800 0.838 ATLAS	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -90.8 -90.1	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4 70.3 NO	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0 42	33.4 41.8 51.4 54.9 60.6 50.5 42.6 37.0 33.4	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 32.0 POD S	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11	7- 8 8- 9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9712 2084. 14 -17.646 -15.673 1974. 15 -13.069 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31,1964 13 HR 12 M  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RA 1 -11.828 -18.084 1871.	13339 -68.0 53781 -71.9 65326 -74.7 13382 -67.1 34888 -59.6 48792 -55.1 15669 -9.5 65022 -58.0 13339 -68.0	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3 7 MS	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -85.0 -83.1 -82.0	24.0 21.0 18.2 23.8 36.2 30.0 24.0 TAB NO	30.48274 32.00787 34.09220 35.11389 36.7156 33.94473 32.05725 31.13138 30.48274 42 ALT 1712.45435	0.838 0.747 0.626 0.576 0.493 0.637 0.740 0.800 0.838 ATLAS	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4 70.3 NO	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0 42 PHAZ 38.7	33.4 41.8 51.4 54.9 60.6 50.5 42.6 37.0 33.4	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 32.0 POD S	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 0.	7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87  AZ 6.830 PT-PT 0-1 1-2
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 256. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1774. 15 -13.009 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31,1964 13 HR 12 M  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RA 1 -11.828 -18.084 1871. 2 -13.047 -11.413 1996. 3 -10.926 -14.740 1920.	13339 -68.0 55781 -71.7 65926 -74.7 13382 -67.1 13488 -59.6 48792 -55.1 15669 -49.2 65022 -58.0 13339 -68.0 1N 14 SEC 79	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3 7 MS	-82.0 -82.6 -83.4 -87.2 -93.3 -85.0 -85.1 -82.0 814. AZSUN -85.1 -84.7 -83.7	24.0 21.0 21.0 18.2 23.8 29.7 32.8 36.2 30.0 24.0 TAB NO IMPACT .002 AZA 29.3 26.8 25.3	30.48274 32.007e7 34.09220 35.113e9 36.71565 33.04473 32.05725 31.13138 30.48274 42 ALT 1712.45439 2.53412 32.61124 32.61124 31.33010	0.838 0.747 0.626 0.576 0.493 0.637 0.74C 0.800 0.838 ATLAS LAT 1.74.C 0.709 0.709 0.709	-86.1 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1 S PHOTO	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4 70.3 NO	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0 42 PHAZ 38.7 34.2 36.0	33.4 41.8 51.4 60.6 50.5 42.6 37.0 33.4 R 47.910 EMIS 34.2 34.2	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 32.0 POD S v 2.008 ALPHA 30.5 41.7 36.7	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 0. 200.73967 117.67491	7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87  AZ 6.830 PT-PT 0-1 1-2 2-3
9 -8.976 -12.418 1964. 10 -8.762 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 258. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1774. 15 -13.004 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31,1964 13 HR 12 M  TRAJECTURY DATA  PHOTIC DATA  PHOTIC DATA  PT LAT LON RA 1 -11.824 -18.014 1871. 2 -13.047 -11.413 1996. 3 -10.926 -14.740 1920. 4 -10.805 -8.984 2033.	13339 -68.0 53781 -71.7 65326 -74.7 13382 -67.1 13488 -59.6 48792 -55.1 15669 -92.2 65022 -58.0 13339 -68.0 IN 14 SEC 79 NGE AZS/C 32103 -99.5 92780 -63.2 56020 -65.6	8.3 9.5 10.7 14.6 19.8 14.0 10.7 8.3 7 MS	-82.0 -82.6 -83.4 -87.2 -93.3 -85.0 -85.0 -83.1 -82.0 SEC TO 814. AZ SUN -85.1 -84.7 -84.7	24.0 21.0 18.2 23.8 29.7 32.8 36.2 30.0 24.0 24.0 IMPACT .002 AZA 29.3 26.8 25.3	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274 42 ALT 1712.45435 49 22.51412 31.33010 33.15605	0.838 0.747 0.626 0.576 0.493 0.740 0.838 ATLAS LAT 15 -4.0 B/A 0.709 0.705 0.705 0.779	-86.1 -85.3 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1 S PHOTO	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4 70.3 NO	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0 42 PHAZ 38.7 34.2 36.3 32.3	33.4 41.8 51.4 51.4 60.6 50.5 42.6 37.0 33.4 R 47.910 EMIS 34.2 45.1 38.9 47.8	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 POD S 2.008 ALPHA 30.5 41.7 36.7	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 200.73967 117.67491 171.24089	7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87  AZ 6.830 PT-PT 0-1 1-2 2-3 3-4
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9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2258. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1774. 15 -13.004 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31,1964 13 HR 12 M  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  PI LAT LON RA 1 -11.828 -18.084 1871. 2 -13.047 -11.413 1996. 3 -10.926 -14.740 1920. 4 -10.805 -8.984 2033. 5 -15.447 -7.378 2099. 6 -15.285 -13.635 1973. 7 -10.926 -14.740 1920. 8 -9.213 -17.573 1863. 9 -8.999 -12.450 1953.	13339 - 68.0 55781 - 71.7 65526 - 74.7 13382 - 67.1 14888 - 59.6 48792 - 55.1 15669 - 49.2 65022 - 58.0 13339 - 68.0  IN 14 SEC 79  NGE AZS/C 32103 - 59.5 92780 - 63.2 10 - 65.6 11977 - 69.4 10928 - 61.3 72363 - 56.4 5620 - 65.6 11977 - 69.4 86948 - 61.3 72363 - 56.4 765620 - 65.6 8978 - 61.3 72363 - 56.4 8978 - 67.9	8.3 9.5 10.7 14.6 19.8 16.8 14.0 10.7 8.3 7 MS AZN 10.6 10.2 11.7 15.7 13.4 10.2 8.3	-82-0 -82-6 -83-4 -87-2 -93-3 -88-0 -83-1 -82-0 -83-1 -84-7 -83-0 -84-7 -83-0 -84-7 -83-0 -84-2 -87-7 -83-0	24.0 21.0 218.2 23.8 36.2 30.0 24.0 TAB NO IMPACT .002 AZA 29.3 26.8 25.3 28.2 31.4	30.48274 32.00727 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274 42 ALT 1712.45435 42.61124 31.33010 33.15605 34.24381 32.18743 31.33010 33.16313 31.83206 33.90074	0.838 0.747 0.626 0.576 0.493 0.637 0.740 0.800 0.838 ATLAS LAT 1.5 -4.C 8/A 0.709 0.709 0.709 0.779 0.779 0.779 0.728 0.728 0.728 0.728 0.728 0.747	-86.1 -85.8 -90.9 -97.1 -96.4 -95.8 -90.8	70.3 75.4 81.6 83.3 86.1 78.7 73.0 71.4 70.3 NO CN .216 INCD 76.6 73.2 75.4 70.3 75.4 80.7	38.0 34.3 30.5 30.4 30.7 34.4 38.1 37.9 38.0 42 238.7 34.2 32.3 32.4 32.3 32.4 36.0 38.0 38.0	33.4 41.8 51.4 51.9 60.6 50.5 42.6 33.4 R R 47.91( EMIS 38.9 1 47.8 1 47.8 1 47.8 1 47.8 1 47.8 1 47.8 1 47.8 1 52.2 4 43.4 9 33.4 8 51.4 1 47.8 1 47.8 1 52.2 1 43.4 1 43.8 1 52.2 1 43.8 1 53.8 1 43.8 1 53.8 1 53	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 32.0 POD S 2.008 ALPHA 30.5 41.7 46.2 47.4 37.0 36.7 46.2 47.4 37.0 36.7 49.2 49.	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 0. 200.73967 171.24089 148.36148 182.79896 136.00607 99.15121 153.36536 187.17263	7-88-99-1010-111-1212-1313-1414-1515-16 87-87-11-12-13-13-14-15-16-16-18-18-18-18-18-18-18-18-18-18-18-18-18-
9 -8.976 -12.418 1964. 10 -8.762 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 258. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1774. 15 -13.009 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31.1964 13 HR 12 M  TRAJECTURY DATA  PHOTO DATA  PY LAY LON RA 1 -11.828 -18.044 1871. 2 -13.047 -11.413 1996. 3 -10.926 -14.740 1920. 4 -10.805 -8.946 2033. 5 -15.447 -7.378 2099. 6 -15.285 -13.635 1973. 7 -10.926 -14.740 1920. 8 -9.213 -17.573 1863. 9 -8.995 -12.450 1953. 10 -8.762 -6.200 2046. 11 -13.096 -4.670 2142.	13339 - 68.0 55781 - 71.7 55781 - 71.7 13382 - 67.2 13382 - 67.2 13582 - 55.1 15669 - 97.2 65022 - 58.0 13339 - 68.0 1N 14 SEC 79  NGE AZS/C 32103 - 59.5 2780 - 63.2 56620 - 65.6 19377 - 69.4 19238 - 61.3 1977 - 69.4 19238 - 61.3 1978 - 67.6 1978 - 67.6 1978 - 67.6 1978 - 67.6 1979 - 67.6 1979 - 67.6	AZN	-82-0 -82-6 -83-4 -87-2 -93-3 -88-0 -83-1 -82-0 -83-1 -82-0 -84-2 -84-7 -83-0 -84-2 -84-3 -84-3 -83-3 -83-3 -83-3	24.0 21.0 21.0 18.2 23.7 32.8 36.2 30.0 24.0 24.0 24.0 25.3 26.8 25.3 26.8 25.3 28.2 31.4 25.3 22.3 26.3 21.1 21.1 21.1 21.1 21.1 21.1 21.1 21	30.48274 32.007e7 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274 42 ALT 1712.45439 42 32.53412 32.61124 31.33010 33.15605 34.24381 32.18743 31.33010 30.31631 31.83206 33.90074 34.91565	0.838 0.747 0.626 0.576 0.493 0.746 0.800 0.838 ATLAS LAT 1.4.Cl 8/A 0.705 0.705 0.717 0.614 0.779 0.747 0.747 0.747 0.747 0.747 0.747	-86.1 -85.8 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1 S PHOTO	70. 3 75. 4 81. 6 83. 3 86. 1 77. 3 86. 1 77. 3 00 70. 3 NO CN .216 1NCO 76. 6 73. 2 74. 7 74. 7 73. 2 75. 4 81. 5	38.0 34.3 30.5 30.4 38.1 37.9 38.0 42 24 24 26.0 34.2 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1	33.4 41.8 51.4 50.5 50.5 42.6 37.0 33.4 R 47.91( EMIS 34.2 45.1 38.9 34.2 45.1 38.9 34.2 43.4 38.9 38.9 34.8 55.8	32.0 40.9 51.0 52.5 54.7 42.4 32.3 32.4 32.0 POD S V 2.008 ALPHA 36.7 36.7 41.7 36.7 36.7 36.7 32.9 40.9 50.9	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 200.73967 117.67491 171.24089 148.36148 182.79896 136.00607 99.15121 153.36536 187.17263 138.93246	7-88-99-1010-111-1212-1313-1414-1515-16-87  AZ 6.830 PT-PT 0-12-2-33-4-55-6-77-88-99-10110-11
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2558. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1774. 15 -13.004 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31.1964 13 HR 12 M  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PI LAT LON RA 1 -11.828 -18.044 1871. 2 -13.047 -11.413 1996. 3 -10.926 -14.740 1920. 4 -10.805 -8.984 2033. 5 -15.447 -7.378 2099. 6 -15.285 -13.635 1973. 7 -10.926 -14.740 1920. 8 -9.213 -17.573 1863. 9 -8.995 -12.450 1953. 10 -8.762 -6.200 2086. 11 -13.096 -4.670 2142. 12 -18.364 -7.052 2745.	13339 - 68.0 55781 - 71.7 65926 - 74.7 13382 - 67.1 14888 - 59.6 48792 - 55.1 15669 - 49.2 65022 - 58.0 13339 - 68.0 18 14 SEC 79 NGE AZS/C 32103 - 59.5 92780 - 63.2 6420 - 65.6 11977 - 69.4 64238 - 61.3 72363 - 56.4 56620 - 65.6 11977 - 69.4 69697 - 67.9 96877 - 67.8 96877 - 67.8	8.3 9.5 10.7 14.6 14.6 16.8 16.8 16.8 10.7 8.3 7 MS AZN 10.6 12.6 10.2 11.7 15.7 15.7 15.7 15.7 15.7 14.6 10.2	-82.0 -82.6 -83.4 -87.2 -93.3 -88.0 -83.1 -82.0 -814. AZ SUN -84.7 -83.0 -84.2 -85.0 -83.3 -87.2 -87.2 -87.2	24.0 21.0 21.0 18.2 23.8 36.2 30.0 24.0 TAB NO IMPACT .002 AZA 29.3 26.8 25.3 22.3 11.4 25.3 24.1 21.1 18.2 23.7	30.48274 32.007e7 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274 42 ALT 1712.45435 42.61124 22.61124 31.33010 33.15605 34.24381 32.18743 31.38206 33.90074 34.91565 36.50368	0.838 0.747 0.626 0.576 0.493 0.637 0.740 0.800 0.838 ATLAS LAT 1.4.01 0.705 0.705 0.705 0.614 0.728 0.728 0.728 0.728 0.746 0	-66.1 -85.8 -85.3 -90.9 -97.1 -96.4 -90.8 -90.8 -90.8 -66.1 -93.8 -93.4 -94.5 -93.4 -86.1 -93.4 -85.3 -90.9	70.3 75.4 81.6 83.3 86.1 77.3 86.1 70.3 NO CN .216 INCD 70.0 70.0 70.4 70.3 70.3 70.3 70.3 70.3 80.7 73.2 70.3 80.7 73.2 80.7 74.7 74.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80	38.0 34.3 30.5 30.4 30.7 38.1 37.9 38.0 42 34.2 36.0 32.3 36.1 36.0 30.5 30.5 30.5	33.4 41.8 51.4 54.9 60.6 60.5 42.6 33.4 87.910 EMIS 38.9 47.8 19.2 45.1 38.9 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 47.8 19.3 19.3 19.3 19.3 19.3 19.3 19.3 19.3	32.0 51.0 52.5 54.7 42.4 32.4 32.4 32.0 POD S V 2.008 ALPHA 30.5 41.7 46.2 47.4 37.0 36.7 46.2 47.4 37.0 36.7 40.9 52.0 40.9 52.0 40.9 52.0 40.9 52.0 40.9 52.0 40.9 52.0 40.9 52.0 40.9 52.0 40.9 52.0	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 0. 200.73967 171.24089 171.24089 136.00607 19.15121 153.36536 167.17263 187.17263 188.33246	7-88-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87
9 -8,976 -12,418 1964, 10 -8,762 -6,127 2098, 11 -13,101 -4,586 2155, 12 -18,400 -1,941 258, 13 -17,912 -9,712 2084, 14 -17,646 -15,673 1774, 15 -13,009 -16,819 1910, 16 -9,195 -17,570 1874,  JULY 31,1964 13 HR 12 M  TRAJECTURY DATA  PHOTO DATA  PY LAT LUN RA 1 -11,828 -14,044 1871, 2 -13,047 -11,413 1996, 3 -10,926 -14,740 1920, 4 -10,805 -8,946 2033, 5 -15,447 -7,378 2099, 6 -15,285 -13,655 1973, 7 -10,926 -14,740 1920, 8 -9,213 -17,573 1863, 9 -8,999 -12,450 1953, 10 -8,762 -6,200 2046, 11 -13,096 -4,670 2142, 12 -18,364 -2,052 2745, 13 -17,881 -9,63 2075, 2763 2072,	13339 -68.0 65326 -74.7 13382 -67.2 13382 -67.2 13388 -59.6 48792 -55.1 18669 -9.6 13339 -68.0 1N 14 SEC 79  NGE AZS/C 32103 -59.5 92780 -65.2 1802 -65.6 19238 -61.3 1804 -74.6 19238 -61.3 1804 -74.6 1804 -74.6 1804 -74.6	8.3 9.55 10.7 14.6 19.8 16.8 16.8 16.7 8.3 7 MS	-82-0 -82-6 -83-4 -87-2 -93-3 -88-0 -83-1 -82-0 -814 -42 SUN -84-1 -84-1 -84-2 -84-7 -83-0	24.0 21.0 21.0 18.2 23.7 32.8 36.2 30.0 24.0 24.0 24.0 24.0 24.0 25.3 26.8 25.3 28.2 31.4 25.3 28.2 31.4 25.3 24.1 21.1 21.1 21.1 21.2 23.8 25.8 26.8 27.7 28.8 27.7 28.8 28.8 28.8 28.8 28	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274 42  ALT 1712.45435 4.23261124 31.33010 0.31631 31.83206 33.90074 34.91565 36.50308 33.75672	0.838 0.747 0.626 0.576 0.493 0.637 0.746 0.830 0.830 0.830 0.705 0.705 0.705 0.705 0.773 0.614 0.779 0.747 0.747 0.747	-86.1 -85.8 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1 S PHOTO BO -34 AZPHAZ -92.9 -88.2 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8	70.3 75.4 81.6 83.3 86.1 773.0 71.4 70.3 NO CN .216 INCD 76.6 73.2 76.6 73.2 85.9 774.7 73.2 85.9 85.9	38.0 34.3 30.5 30.4 38.1 37.9 38.0 42 42 34.2 36.0 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1	33.4 41.8 51.4 560.6 50.5 42.6 37.0 33.4 R R 47.91( EMIS 34.2 45.1 38.9 34.7 8 47.8 9 47.8 9 47.8 9 47.8 9 52.2 9 43.4 9 38.9 9 4 50.5 9 50.5	32.0 40.9 51.0 52.5 54.7 42.4 32.0 POD S V 2.008 ALPHA 30.5 41.7 36.7 46.7 47.0 36.7 46.7	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 0. 200.73967 117.67491 171.24089 148.36148 182.79896 136.00607 99.15121 153.36536 167.17263 138.93246 176.86333 222.43541	7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 87  AZ 6.830 PT-PT 0-1 2-2-3 3-4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13
9 -8.976 -12.418 1964. 10 -8.742 -6.127 2098. 11 -13.101 -4.586 2155. 12 -18.400 -1.941 2558. 13 -17.912 -9.712 2084. 14 -17.646 -15.673 1774. 15 -13.009 -16.819 1910. 16 -9.195 -17.570 1874.  JULY 31.1964 13 HR 12 M  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO BATA  1 -11.828 -18.044 1871. 2 -13.047 -11.413 1996. 3 -10.926 -14.740 1920. 4 -10.805 -8.964 2033. 5 -15.447 -7.378 2099. 6 -15.285 -13.635 1973. 7 -10.926 -14.740 1920. 8 -9.213 -17.573 1863. 9 -8.993 -12.450 1953. 10 -8.762 -0.200 2086. 11 -13.096 -4.670 2142. 12 -18.364 -2.052 2245. 13 -17.881 -9.763 2072. 14 -17.617 -15.67 19.637 1973.	13339 -68.0 55781 -71.7 65926 -74.7 13888 -59.6 48792 -55.1 13688 -67.1 13688 -67.1 13688 -67.1 13688 -67.1 13688 -67.1 13688 -67.2 1378 -68.0 18 14 SEC 79 18 SEC 79	AZN 610.67 1	-82.0 -82.6 -83.3 -83.3 -88.0 -83.1 -82.0 -83.1 -82.0 -83.1 -84.7 -83.0 -84.7 -83.0 -84.7 -83.0 -83.2 -87.2 -83.6 -83.8	24.0 21.0 21.0 23.8 36.2 30.0 24.0 7AB NO 1MPACT .002 AZ A 29.3 26.8 32.3 26.3 22.3 28.2 31.4 25.3 24.1 21.1 18.2 29.7 32.8	30.48274 32.007e7 34.09220 35.11389 36.71565 33.04473 32.05725 31.13138 30.48274 42 ALT 1712.45435 42.53412 32.53412 32.53412 32.53412 32.53412 32.53412 31.33010 33.15605 34.24381 32.18743 31.83206 33.90074 34.91565 33.95672 31.88194	0.838 0.747 0.626 0.576 0.493 0.637 0.830 0.830 ATLAS 0.709 0.705 0.705 0.705 0.705 0.728 0.728 0.728 0.728 0.747	-86.1 -85.8 -85.3 -90.9 -97.1 -96.4 -90.8 -90.9	70.3 75.4 83.3 86.1 78.7 73.0 NO CN .216 INCD 76.6 73.2 770.3 80.7 773.2 81.5 83.5 83.5 83.6 78.6	38.0 34.3 30.5 30.4 30.7 38.1 37.9 34.2 38.7 34.2 36.1 36.1 30.5 34.3 30.1 30.1 30.1	33.4 41.8 51.4 560.6 50.5 42.6 37.0 33.4 8 8.47.910 EMIS 345.1 38.9 9 3.34.4 38.9 9 3.34.4 38.9 9 3.34.4 38.9 9 3.34.4 38.9 9 3.34.4 38.9 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4	32.0 40.9 51.0 52.5 54.7 42.4 32.0 POD S 2.008 ALPHA 30.5 41.7 46.2 47.4 37.0 36.7 36.7 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 37.0 36.2 47.4 47.	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 0. 200.73967 171.24089 17	7-888-99-1011-1212-1313-1414-1515-16-830 PT-PT 0-11-22-33-44-55-6-6-77-889-9-1011-1212-1313-14
9 -8,976 -12,418 1964, 10 -8,762 -6,127 2098, 11 -13,101 -4,586 2155, 12 -18,400 -1,941 258, 13 -17,912 -9,712 2084, 14 -17,646 -15,673 1774, 15 -13,009 -16,819 1910, 16 -9,195 -17,570 1874,  JULY 31,1964 13 HR 12 M  TRAJECTURY DATA  PHOTO DATA  PY LAT LUN RA 1 -11,828 -14,044 1871, 2 -13,047 -11,413 1996, 3 -10,926 -14,740 1920, 4 -10,805 -8,946 2033, 5 -15,447 -7,378 2099, 6 -15,285 -13,655 1973, 7 -10,926 -14,740 1920, 8 -9,213 -17,573 1863, 9 -8,999 -12,450 1953, 10 -8,762 -6,200 2046, 11 -13,096 -4,670 2142, 12 -18,364 -2,052 2745, 13 -17,881 -9,63 2075, 2763 2072,	13339 -68.0 55781 -71.2 55781 -71.3 1382 -67.1 13382 -67.1 13488 -59.6 48792 -55.1 15669 -9.6 13339 -68.0 18 14 SEC 79  NGE AZS/C 32103 -59.5 92780 -63.2 54620 -65.6 11977 -69.4 19238 -61.3 72363 -65.6 11977 -69.4 19238 -61.3 774525 -71.8 96677 -74.5 10 -67.0 10 -	8.3 9.5 10.7 14.6 19.8 14.0 10.7 15.7 15.7 15.7 10.2 8.3 9.6 10.7 10.7 10.7 10.7 10.1 10.1 10.1 10.1	-82.0 -82.6 -83.3 -83.3 -88.0 -83.1 -82.0 -83.1 -82.0 -83.1 -84.7 -83.0 -84.7 -83.0 -84.7 -83.0 -83.2 -87.2 -83.6 -83.8	24.0 21.0 21.0 18.2 23.7 32.8 36.2 30.0 24.0 24.0 24.0 24.0 24.0 25.3 26.8 25.3 28.2 31.4 25.3 28.2 31.4 25.3 24.1 21.1 21.1 21.1 21.2 23.8 25.8 26.8 27.7 28.8 27.7 28.8 28.8 28.8 28.8 28	30.48274 32.00787 34.09220 35.11389 36.71565 33.94473 32.05725 31.13138 30.48274 42  ALT 1712.45435 4.23261124 31.33010 0.31631 31.83206 33.90074 34.91565 36.50308 33.75672	0.838 0.747 0.626 0.5763 0.637 0.747 0.838 0.838 0.709 0.705	-86.1 -85.8 -90.9 -97.1 -96.4 -95.8 -90.8 -86.1 S PHOTO BO -34 AZPHAZ -92.9 -88.2 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8 -93.8	70.3 75.4 81.6 83.3 86.1 73.0 73.0 71.4 70.3 NO CN .216 INCD 76.6 73.2 70.3 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74	38.0 30.5 30.4 30.7 38.1 37.9 38.0 42 38.7 34.2 38.7 34.2 33.3 30.5 34.2 36.1 36.0 34.4 38.7 38.1	33.4 41.8 51.4 560.6 50.5 42.6 37.0 33.4 R R 47.91( EMIS 34.2 45.1 38.9 34.7 8 47.8 9 47.8 9 47.8 9 47.8 9 52.2 9 43.4 9 38.9 9 4 50.5 9 50.5	32.0 40.9 51.0 52.5 54.7 42.4 32.0 POD S V 2.008 ALPHA 30.5 41.7 36.7 46.7 47.0 36.7 46.7	99.69645 154.24819 188.40118 139.74333 178.06811 224.12960 172.11939 142.61967 119.43968 EQUENCE NO PTH -73.582 11 SCALE 0. 200.73967 117.67491 171.24089 148.36148 182.79896 136.00607 99.15121 153.36536 167.17263 138.93246 176.86333 222.43541	7-888-999-1010-111-1213-14-1515-1687-1687-15-1

	RA-VII CAME	ERA FB			15
JULY 31,1964 13 HR 12 MIN 19 SEC 917 MS	TAB N	IO 43 ATI	AS PHOTO NO	43 PO	D SEQUENCE NO 89
TRAJECTORY DATA	SEC TO IMPAC	T ALT LA	T LON	R V	/ PTH AZ
PHOTO DATA	808.883		102 -34.173	3438.044 2.0	110 -73.549 116.824
PT LAT LON RANGE AZS/C AZ	AZ SUN AZ A	A. B/A	AZPHAZ INCD	PHAZ EMIS ALPH	A SCALE PT-PT
1 -11.818 -18.102 1860.68822 -59.5 10.				38.7 34.1 30.	
2 -13.043 -11.453 1985.85272 -63.2 12.				34.2 45.1 41.	
3 -10.933 -14.760 1909.95819 -65.5 10.		31.15738 0.779	-88.2 73.2	36.0 38.9 36.	
4 -10.813 -9.040 2021.75021 -69.4 11.				32.3 47.7 46.	
5 -15.428 -7.446 2087.36206 -61.3 15. 6 -15.268 -13.662 1962.81621 -56.4 13.			-93.8 80.6	32.4 52.1 47.	
6 -15.268 -13.662 1962.81621 -56.4 13.7 -10.933 -14.760 1909.95819 -65.5 10.				36.1 43.3 37.	
8 -9.229 -17.577 1853.63187 -67.9 8.				36.0 38.9 36. 38.0 33.4 32.	
9 -9.013 -12.484 1942.91119 -71.8 9.0				38.0 33.4 32. 34.3 41.7 40.	
10 -8.781 -6.275 2075.01923 -74.6 10.				30.5 51.3 50.	
11 -13.091 -4.757 2130.73337 -67.0 14.				30.4 54.8 52.	
12 -18.326 -2.166 2232.10565 -59.6 19.	7 -93.2 29.7	36.28906 0.496		30.7 60.4 54.	
13 -17.849 -9.816 2061.32205 -55.1 16.6				34.4 50.4 42.	
14 -17.587 -15.703 1952.50214 -49.2 14.0				38.1 42.5 32.	
15 -13.061 -16.834 1889.79210 -58.0 10.				37.9 37.0 32.	
16 +9.229 -17.577 1853.63187 -67.9 8.	3 -81.9 24.1	30.14931 0.838	-86.1 70.3	38.0 33.4 32.	0 118.14696 15-16
JULY 31,1964 13 HR 12 MIN 25 SEC 37 MS	TAB N	IO 44 ATI	AS PHOTO NO	44 PO	D SEQUENCE NO 91
TO S OF CROME DATA			_		
PHOTO DATA	SEC TO IMPAC		T LON 124 -34-129	R V 3428.169 2.0	/ PTH AZ 012 -73.516 116.819
PT LAT LON RANGE AZS/C AZI	N AZSUN AZA	A• 8/A	AZDUAZ INCO	PHAZ EMIS ALPH	ne saane a <del>s as</del>
1 -11.809 -18.121 1850.04477 -59.5 10.5			-92.6 70.0	38.7 34.1 30.	
2 -13.038 -11.493 1974.76511 -63.2 12.				34.2 45.1 41.	
3 -10.940 -14.780 1899.35771 -65.5 10.				36.0 38.9 36.	
4 -10.821 -9.095 2010.36905 -69.4 11.				32.3 47.7 46.	
5 -15.410 -7.514 2075.52063 -61.3 15.				32.4 52.0 47.	
6 -15.251 -13.689 1951.89592 -56.4 13.				36.1 43.3 37.	
7 -10.940 -14.780 1899.35771 -65.5 10.				36.0 38.9 36.	
8 -9.246 -17.582 1843.35204 -67.8 8.		29.98212 0.838	-86.1 70.3	38.0 33.4 32.	0 98.04825 7-8
9 -9.031 -12.518 1932.06511 -71.8 9.				34.3 41.7 40.	8 151.58673 8- 9
10 -8.800 -6.349 2063.16681 -74.5 10.1 11 -13.085 -4.844 2118.49076 -67.0 14.	-83.3 18.3			30.5 51.2 50.	
				30.4 54.7 52.	
12 -18.289 -2.280 2218.93631 -59.6 19. 13 -17.816 -9.870 2049.69305 -55.1 16.				30.7 60.3 54.	
14 -17:557 -15:719 1941:63435 -49:2 14:				34.4 50.4 42.	
15 -13.056 -16.842 1879.32877 -58.0 10.				38.1 42.5 32.	
	81.9 24.1			37.9 37.0 32. 38.0 33.4 32.	
11302 1013733201 0180 B.			-00.1 70.5	30.0 33.4 32.	0 117.49723 15-16
JULY 31,1964 13 HR 12 MIN 30 SEC 157 MS	TAB N	0 45 ATI	AS PHOTO NO	45 POI	D SEQUENCE NO 93
TRAJECTORY DATA	SEC TO IMPAC	T ALT LA	T LON	R V	PTH AZ
PHOTO DATA	798.643	1682.83112 -4.	146 -34.086	3418.286 2.0	14 -73.483 116.813
PT LAT LON RANGE AZS/C AZ	AZSUN AZA	A* B/A	AZPHAZ INCD	PHAZ EMIS ALPH	(4
1 -11.800 -18.140 1839.39073 -59.5 10.				38.7 34.1 30.	
2 -13.034 -11.534 1963.66214 -63.2 12.				34.2 45.0 41.	
3 -10.948 -14.801 1888.74191 -65.5 10.				36.0 38.8 36.	
4 -10.829 -9.151 1998.97070 -69.3 11.				32.3 47.6 46.	
5 -15.391 -7.582 2063.66519 -61.3 15.0				32.4 52.0 47.	
6 -15.234 -13.717 1940.96239 -56.4 13.	3 -84.9 31.4	31.65321 0.729	-93.4 74.6	36.1 43.3 37.	
7 -10.948 -14.801 1888.74191 -65.5 10.			-88.2 73.2	36.0 38.8 36.	
8 -9.263 -17.587 1833.05743 -67.8 8.			-86.1 70.3	38.0 33.4 32.	
9 -9.049 -12.552 1921.20195 -71.7 9.				34.3 41.7 40.	8 150.69486 89
10 -8.820 -6.425 2051.29605 -74.5 10.				30.5 51.2 50.	
11 -13.080 -4.931 2106.23315 -67.0 14.				30.4 54.6 52.	1 136,47232 10-11
12 -18.251 -2.394 2205.76041 -59.6 19. 13 -17.784 -9.923 2038.05231 -55.1 16.				30.7 60.2 54.	
				34.4 50.3 42.	
14 -17.527 -15.736 1930.75577 -49.2 14.15 -13.052 -16.851 1868.85205 -58.0 10.				38.1 42.4 32.	
16 -9.263 -17.587 1833.05743 -67.8 8.				37.9 37.0 32. 38.0 33.4 32.	3139.39676 14-15
			-00.1 10.3	JO•U JJ•4 J∠•	0 116.84696 15-16

				RA-VII	CAMERA	F8							16
		_			TAB NO	46	ATLAS	РНОТО	NO	46	POD S	EQUENCE NO	95
JULY 31,1964 13 HR	12 MIN 35	SEC 277	M2										
TRAJECTORY DATA	-		-	SEC TO 793.		ALT 1672.93991	LAT -4.16	8 -34.		8 3408	y 395 2.016	PTH -73.450 1	AZ 16.807
PHOTO DATA	RANGE	AZS/C		AZSUN		Δ.	B/A A	ZPHAZ	LNCD	DUA 7 CM	IS ALPHA	SCALE	PT-PT
PT LAT LCN 1 -11.791 -18.158	1828 72617			-85.1	AZA 29.4	31.81444					.0 30.4	0.	
2 -13.031 -11.575	1952.53876	-63.1	12.6	-84.7		31.88633	0.707			34.2 45	.0 41.5	198.31790	1- 2
3 -10.956 -14.822	1878.10582	-65.5	10.2	-82.9	25.4	30.63778				36.1 38	.8 36.6	114.89987	2- 3
4 _ 10 939 0 209	1987.54536	-69.3	11.7		22.4	32.41291				32.3 47		167.01349	
5 -15.374 -7.652	2051.79059	-61.3	15.6	-87.6	28.3	33.47057					.9 47.1	144.87005	5- 6
6 -15.219 -13.746 7 -10.956 -14.822	1930-01479	-56.4	13.3	-84.9 -82.9	31.4	31.47470					.2 36.9 .8 36.6	132.95983	
8 -9.281 -17.592	1822-74326	-67-8	8.3	-81.9	24.2	29.64694				38.0 33		96.94178	
9 -9.068 -12.587	1910.31287	-71.7	9.6	-82.5	21.3	31.12455		-85-B	75.2	34-3 41	.6 40.8	149.79819	8- 9
10 +8.840 -6.501	2039.39169	-74.4	10.8	-83.3	18.4	33.12997	0.630	-85.3	01.2	30.5 51	.1 50.6	182.21683	9-10
11 -13.075 -5.019	2093.94897	-66.9	14.5	-87.0		34.11703		-91.0	82.9	30.4 54	.5 52.0	135.65372	10-11
12 -18.215 -2.509	2192.57214	-59.6	19.6	-92.9	29.8	35.64643		-97-1	85.5	30.7 60	1.1 54.0	172.00533	11-12
	2026.39957		16.7	-87.9	32.8	32.99907				38.1 42	0.2 42.1	215.61470 166.87241	13-14
14 -17.498 -15.753 15 -13.049 -16.860		-49.3	13.9 10.7	-85.0 -83.1	36.1 30.0	31.17603				37.9 37	7.0 32.3	138.59133	14-15
16 -9.281 -17.592	1822.74326	-67.8			24.2	29.64694				38.0 33	3.4 32.0	116.19733	15-16
16 -9.261 -17.372	1022.14320	-0140	0.5			2,40,0,7	0.030						
					TAB NO	47	ATLAS	S PHOTO	NO	47	POD :	SEQUENCE N	0 97
JULY 31+1964 13 HR	12 MIN 40	SEC 396	MS										
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	L	3N	,	٠ v	PTH	AZ
INAJECTURY DATA					403	1663.04013				3398		-73.417 1	16.802
PHOTO DATA						1003101012							
PT LAT LON	RANGE	AZS/C		AZ SUN	AZA	Δ.			INCO	PHAZ E	HIS ALPHA	SCALE	PT-PT
1 -11.782 -18.177	1818.05078	-59.5	10.5	-85.1		31.63391	0.711		70.0	38.7 34	.0 30.4	0.	0- 1
2 -13.027 -11.617	1941.40262	-63.1	12.6	-84.7		31.70447		-90.9	76.4	34.2 4	5.0 41.5	197.68946	1- 2
3 -10.965 -14.844			10.2	-82.9		30.46407		-88.2 -88.1	73.1	36.1 31	3.8 36.6	114.20468	2- 3
	1976.10843		11.7	-84.1 -87.5	22.5	32.22642 33.27668	0.616	-93.8	4 08	32 4 5	1.8 47.0	143,99846	4- 5
5 -15.357 -7.721 6 -15.203 -13.774	2039,90465	-61.4	13.3	-84.9		31.29596		-93.4	74.5	36.1 4	3.2 36.9	176.92095	
7 -10.965 -14.844	1467-45708	-65.4	10.2	-82.9		30.46407		-88.2		36.1 3	8.8 36.6	132.19813	6- 7
8 -9.298 -17.598			8.4	-81.9		29.47899		-86.2	70.3	38.0 3	3.4 32.0	96.38731	7-8
9 -9.087 -12.623	1899.41171	-71.6	9.6	-82.5	21.3	30.94697			75.2	34.3 4	1.6 40.7	148.90091	8- 9
	2027.47791		10.8	-83.3		32.93653		-85.3	81.2	30.6 5	1.0 50.5	180.97412	9-10
11 -13.071 -5.107	2081.65591	-66.9	14.5	-87.0		33.91675		-91.0 -97.1	82.8	30.4 5		134.83486	
		-59.6	19.5	-92.8 -87.8	29.8 32.8	35.43199 32.80917		-96.4	70 7	34.4.5	0.2 42.0	213.92002	12-13
13 -17.722 -10.032 14 -17.469 -15.770		-49.3	13.9	-85.0	36.0	30.99910		-95.8	72.9	38.1 4	2.4 32.2	165.81767	13-14
15 -13.046 -16.870	1847.85637		10.7			3C.10825		-90.8	71.3	37.9 3	7.0 32.3	137.78499	14-15
16 -9.298 -17.598	1812.41695	-67.7	8.4			29.47899		-86.2	70.3	38.0 3	3.4 32.0	115.54691	15-16
					TAB NO	48	ATLA	S PHOTO	NO	48	POD	SEQUENCE N	10 99
JULY 31,1964 13 H	K 12 MIN 45	250 210	M 5										
TRAJECTORY DATA				SEC TO	IMPACT	AL T	LAT	L	ON		K V	PTH	AZ
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					.283	1653.1320	2 -4.2	13 -33	.952	3386	.587 2.02	0 -73.383 1	116.796
PHOTO DATA										01/4 1 -	44 C AL DO	SCALE	PT-PT
PT LAT LON	RANGE	AZS/C	AZN		AZA	A* 31.45347					MIS ALPHA 3.9 30.3		0-1
1 -11.773 -18.196	1807.36493 1930.27371	-59.4	10.5		29.4 26.9	31.52273		-90.9	76.4	34.2 4	4.9 41.4	197.0873	
2 -13.024 -11.658 3 -10.973 -14.865	1856.81140	-65.4	10.2	-82.9	25.5	30.29041		-88.2	73.1	36.1 3	8.8 36.5	113.51240	2-3
	1964.68297	-69.2	11.7		22.5	32.04011		-88.1	78.5	32.3 4	7.5 45.9	164.8960	3 3-4
	2028.03342		15.6		28.3	33.08303	0.620	-93.8	80.3	32.4 5	1.8 46.9	143.1291	
6 -15.187 -13.802	1908.09726	-56.4	13.3	-84.9	31.4	31.11730	0.730	-93.4	74.5	36.1 4	3.2 36.9	175.7511	
	1856.81140	-65.4	10.2			30.29041					8.8 36.5		
	1802.09131	-67.7	8.4			29.31105					3.4 32.0		
	1888.51695	-71.6	9.6	-82.5	21.3	30.76950		-85.8 -85.3			1.6 40.7		0 0-10
	2015.58228	-74.4	10.8	-63.2	18.6	32.74337	0.584	-85.3	91.1	30.6 5	4.3 51.8	134.0184	
	2166.22089		19.5	-92.7	29.8	35.21808	0.505	-97.1	85.3	30.7 5	9.8 53.8	169.6083	8 11-12
13 -17.691 -10.086	2003.08002	-55.1	16.6			32.61943		-96.4		34.4 5	0.1 42.0	212.2441	6 12-13
14 -17.440 -15.786			13.9		36.0	30.82220	0.742	-95.8	72.9	38-1 4	2.4 32.1	164.7688	2 13-14
15 -13.042 -16.878	1837.35277	-58.0	10.7	-83.1	30.0	29.93710	0.801					136.9793	8 14-15
16 -9.316 -17.603	1802.09131	-67.7	8.4	-81.9	24.3	29.31105	0.838	-86.2	70.3	38.0 3	3.4 32.0	114.8963	3 15-16

	RA-VII CAME	RA FE			17
	TAB NO	0 49	ATLAS PHOTO NO	49 P	POD SEQUENCE NO 101
JULY 31,1964 13 HR 12 MIN 50 SEC 636 MS	IND IN	J <del>43</del>	AILAS FROID NO	<del>1</del> 9 F	OD SEQUENCE NO 101
TRAJECTORY DATA	SEC TO IMPACT 778.163	T ALT 1643.21533	LAT LCN -4.235 -33.908	R 3378 671 2	V PTH AZ .023 -73.349 116.790
PHOTO DATA PT LAT LCN RANGE AZS/C AZ					
PT LAT LCN RANGE AZS/C AZ 1 -11.763 -18.214 1796.66829 -59.4 10.			B/A AZPHAZ INCO C.712 -92.6 69.9		PHA SCALE PT-PT 0.3 0. 0-1
2 -13.020 -11.696 1919.16989 -63.1 12.	-84.6 26.9	31.34140	0.709 -90.9 76.4	34.2 44.9 4	1-4 196-53875 1- 2
3 -10.981 -14.884 1646.18311 -65.4 10. 4 -10.864 -9.376 1953.29004 -69.2 11.		30.11703 31.85434			6.5 112.82590 2- 3
5 -15.321 -7.855 2016.20050 -61.2 15.		32.89001	C.621 -93.8 80.2		5.8 163.85156 3- 4 6.8 142.26450 4- 5
6 -15.171 -13.828 1897.16022 -56.4 13.	3 -84.9 31.4	30.93895	0.73C -93.4 74.5	36.1 43.1 3	6.8 174.59571 5- 6
7 -10.981 -14.884 1846.18311 -65.4 10. 8 -9.334 -17.607 1791.77780 -67.6 8.		30.11703 29.14331			6.5 130.67810 6- 7
9 -9.124 -12.690 1877.64516 -71.5 9.		30.59240			2.0 95.28460 7-8 0.7 147.12078 8-9
10 -8.900 -6.727 2003.72986 -74.3 10.		32.55092	0.633 -85.3 81.0	30.6 50.9 50	0.4 178.52294 9-10
11 -13.062 -5.278 2057.16214 -66.9 14. 12 -18.105 -2.846 2153.12799 -59.6 19.		33.51768	C.585 -91.0 82.6	30.4 54.2 5	1.7 133.20700 10-11
12 -18.105 -2.846 2153.12799 -59.6 19. 13 -17.659 -10.137 1991.45631 -55.1 16.		35.00525 32.43020	0.506 -97.1 85.2 0.643 -96.4 78.2		3.6 168.42730 11-12 1.9 210.59820 12-13
14 -17.411 -15.801 1887.19022 -49.3 13.		30.64555	0.742 -95.9 72.8		2.1 163.73100 13-14
15 -13.039 -16.886 1826.86209 -58.0 10.		29.76617			2.3 136.17572 14-15
16 -9.334 -17.607 1/91.77780 -67.6 8.	-81.9 24.3	29.14331	C.838 +86.2 70.3	38.C 33.4 3	2.0 114.24678 15-16
	TAB NO	50	ATLAS PHOTO NO	50 P	OD SEQUENCE NO 103
JULY 31,1964 13 HK 12 MIN 55 SEC 756 MS					•
TRAJECTORY DATA	SEC TO IMPACT	T ALT	LAT LGN	R	V PTH AZ
	773.043	1633.28995			.025 -73.315 116.784
PHOTO DATA PT LAT LON RANGE AZS/C AZ	N AZSUN AZA		6.44 1.20U.4.7 14600	nick care in	
1 -11.754 -18.233 1785.96063 -59.4 10.		A# 31-09310	6/A AZPHAZ INCD 0.712 -92.6 69.9	38.8 33.9 3	PHA SCALE PT-PT 0.3 0. 0-1
2 -13.016 -11.735 1908.05235 -63.1 12.		31.15984			1.3 195.98642 1- 2
3 -10.989 -14.903 1635.54134 -65.3 10.		29.94344		36.1 38.8 30	6.5 112.13875 2- 3
4 -10.872 -9.430 1941.88428 -69.2 11. 5 -15.303 -7.921 2004.35486 -61.2 15.		31.66835			5.8 162.80692 3- 4
6 -15.155 -13.854 1886.20915 -56.4 13.	3 -84.9 31.4	30.76038	0.621 -93.8 80.2 0.731 -93.4 74.5		6.8 141.39915 4- 5 6.8 173.44064 5- 6
7 -10.989 -14.903 1835.54134 -65.3 10.	2 -82.9 25.5	29.94344	0.781 -88.3 73.1	36.1 38.8 36	6.5 129.91795 6- 7
8 -9.351 -17.610 1781.45149 -67.6 8. 9 -9.143 -12.723 1866.76036 -71.5 9.		28.97537			2.0 94.73422 7- 8
9 -9.143 -12.723 1866.76036 -71.5 9. 10 -8.920 -6.800 1991.86639 -74.3 10.		30.41508 32.35828			0.6 146.23355 8- 9 0.3 177.30641 9-10
11 -13.057 -5.362 2044.92906 -66.8 14.		33.31837			1.6 132.39519 10-11
12 -18.069 -2.956 2140.02853 -59.6 19.	-92.6 29.8	34.79231	0.508 -97.1 85.1	30.7 59.6 5	3.5 167.24860 11-12
13 -17.628 -10.189 1979.81915 -55.1 16. 14 -17.382 -15.815 1876.29417 -49.3 13.		32.24074 30.46867			1.9 208.95760 12-13
15 -13.035 -16.893 1816.35786 -58.0 10.		29.59502			2.1 162.69291 13-14 2.3 135.37111 14-15
16 -9.351 -17.610 1781.45149 -67.6 8.		28.97537			2.0 113.59635 15-16
	TAB NO	) 51	ATLAS PHOTO NO		
JULY 31,1964 13 HR 13 MIN 0 SEC 876 MS	IAD III	, 51	AIDAS PROTO NO	51 P	POD SEQUENCE NO 105
TRAJECTORY DATA				_	
TRAJECTIRY DATA	SEC TO IMPACT 767.923	T ALT 1623.35608	LAT LCN -4.281 -33.817	R 3358.811 2	V PTH AZ .027 -73.281 116.778
PHOTO DATA					
PT LAT LON RANGE AZS/C AZ 1 -11.745 -18.252 1775.24239 -59.4 10.		A+	B/A AZPHAZ INCO	PHAZ EMIS ALI	
1 -11.745 -18.252 1775.24239 -59.4 10. 2 -13.012 -11.775 1896.90961 -63.0 12.	5 -85.1 29.4 5 -84.6 27.0	30.91238 30.97787			0.3 0. 0-1 1.3 195.41261 1-2
3 -10.997 -14.923 1824.87708 -65.3 10.		29.76947			6.5 111.44904 2- 3
4 -10.881 -9.485 1930.45221 -69.1 11.	7 -84.0 22.6	31.48194	0.679 -88.1 78.4	32.3 47.3 4	5.7 161.75869 3-4
5 -15.286   -7.988 1992.48143   -61.2   15.6   -15.139   -13.881 1875.23409   -56.4   13.		32.50310			6.7 140.53157 4- 5
6 -15.139 -13.881 1875.23409 -56.4 13. 7 -10.997 -14.923 1824.87708 -65.3 10.		30.58141 29.76947			6.8 172.28190 5- 6 6.5 129.15588 6- 7
8 -9.369 -17.614 1771.10507 -67.6 8.		28.80709			2.0 94.18168 7-8
9 -9.162 -12.757 1855.85201 -71.4 9.		30.23738	0.750 -85.8 75.1	34.3 41.5 4	0.6 145.34322 8- 9
10 -8.940 -6.874 1979.97598 -74.2 10. 11 -13.052 -5.448 2032.66747 -66.8 14.		32.16520			0.2 176.08652 9-10
11 -13.052 -5.448 2 <u>032.66747 -66.8 14.</u> 12 -18.032 -3.066 2126.90109 -59.6 19.		34.57892			1.6 131.58110 10-11 3.4 166.06903 11-12
13 -17.596 -10.241 1968.15544 -55.1 16.		32.05085			1.8 207.31534 12-13
14 -17.352 -15.831 1865.37544 -49.3 13.	8 -85.0 36.0	30.29142	0.743 -95.9 72.8	38.1 42.3 3	2.1 161.65117 13-14
15 -13.031 -16.901 1805.83221 -58.0 10. 16 -9.369 -17.614 1771.10507 -67.6 8.		29.42352 28.80709			2.3 134.56461 14-15 2.0 112.94417 15-16
	. 0107 2707	20.00109	U = U = U U = Z	JUNU JJAN 3	L+U 114+74411 13-10

					RA-VII	CAMERA	F8								18
JULY 31,196	64 13 HR	13 MIN	5 SEC	996 MS		TAB NO	52	ATLA	S PHOTO	NO	52		POD SE	QUENCE NO	107
TRAJECTOR	Y DATA				SEC TO 762.	TOACT	ALT 1613.41348	LAT				R - 869	V 2-029	PTH -73.247 11	AZ 6.773
PHOTO DAT															PT-PT
PT LAT	LCN	RANGE 1764.513		/C AZN •4 10•5	AZ SUN -85.0	AZA 29.4	A+ 3C.73116		AZPHAZ		38.8 3			O.	0-1
1 -11.736 2 -13.008		1885.736		.0 12.6		27.0	30.79540	0.716	-90.9		34.2 4			194.80976	1- 2
3 -11.005		1814.1858			-82.9	25.6	29.59507	C.781	-88.3		36.1 3			110.75590	2-3
4 -10.889		1918.987	53 -69	.1 11.7		22.7	31.29499	0 470	-88.1	78.3	32.3 4	7.3		160.70542	3- 4
5 -15.268		1960.5730		.2 15.5		28.3	32.30884	0.623	-93.8		32.4 5			139.66123_	-4 <u>-5</u>
6 -15.122		1864.230	22 -56	•4 13•2	-84.9	31.4	30.40197	0.131	-95.4		36.1			171.11755 128.39147	5- 6 6- 7
7 -11.005	-14.944	1814-185	85 -65			25.6	29.59507		-86.3 -86.2		36.1 3 38.0 3		36.4 32.0	93.62643	7- 8
8 -9.386	-17.619	1760.734	89 -67 81 -71			24.4	28.63843		-85.8		34.3 4		40.6	144.44859	8- 9
9 -9.180		1968.050				18.8	31.97156		-85.3		30.6			174.86122	9-10
11 -13.047		2020.369				24.1	32.91822		-91.0		30.4		51.5	130.76421	10-11
12 -17.995		2113.735		.5 19.3		29.8	34.36491		-97.1	84.9	30.7	59.4		164.88729	11-12
13 -17.564	-10.295	1956.459	00 -55			32.8	31.86044		-96.4		34.4		41-7	205.66824	
14 -17.323	-15.847	1854.429	69 -49			35.9	3C.11374	0.743	-95.9		38.1		32.1	160.60426	13-14
15 -13.027		1795.281				30.0	29.25161		-90.8		37.9		32.3	112.29019	15-16
16 -9.386	-17.619	1760.734	89 -67	.5 8.4	-81.9	24.4	28.63843	0.838	-86.2	10.3	38.0	33.4	32.0	112.27017	17.10
						TAB NO	53	ATLA	S PHOTO	NO	53		POD S	EQUENCE NO	109
JULY 31,19	64 13 HF	R 13 MIN	11 SEC	116 MS											
TRAJECTOR	Y DATA				SEC TO	IMPACT	AL T	LAT	r L	GN		R	٧	PTH	ΑZ
PHOTO DAT						684	1603.46216	5 -4-3	327 -33					-73.212 11	
PT LAT	LCN	RANGE	AZS	/C AZN	AZ SUN	AZA	Δ.		AZPHAZ		PHAZ			30	PT-PT
1 -11.726		1753.772				29.5	30.54971		-92.6		38.8		30.2	0.	0- 1
2 -13.004		1874.549		.0 12.5		21.0	30.61272		-90.9		34.2		41.2	194.20368	
3 -11.013		1803.461				25.6	29.42045 31.10784		-88.3 -88.1		36.1		45.6	159.65214	3- 4
4 -10.898 5 -15.249		1907.510			-87.3	22.7	32.11439		-93.8		32.4			138.79011	
6 -15.249	-14.936	1968.652	78 -56	.4 13.2	-84.9	31.4	30.22232		-93.4		36.1		36.7	169.95391	5- 6
7 -11.013		1803.481				25.6	29.42045		-88.3	73.0	36.1	38.7	36.4	127.62620	6- 7
8 -9.403	-17.624	1750.352	13 -67	.5 8.4	-81.9	24.5	28.46956		-86.2		38.0		32.0	93.07045	7- 8
9 -9.199		1833.965				21.6	29.88084		-85.8		34.3		40.5	143.55332	8- 9 9-10
10 -8.979		1956.115	89 -74			18.8	31.77776		-85.3		30.6 30.4		50.1	173.63736	
11 -13.042		2008.060					32.71769 34.15082		-91.0 -97.1		30.7		53.1	163.70794	
12 -17.958 13 -17.533		2100.565				32.8	31.66981		-96.4		34.4		41.7	204.02717	
14 -17.293		1843.470				35.9	29.93564		-95.9	72.8	38.1	42.2	32.0	159.55723	13-14
15 -13.023		1784.717				30.0	29.07948		-90.8	71.3	37.9	36.9	32.3	132.94644	
16 -9.403		1750.352		.5 8.4	-81.9	24.5	20.46956	C.838	-86.2	70.3	38.0	33.4	32.0	111.63533	15-16
						TAB NO	54	ATL	AS PHOTO	ON C	54		POD S	EQUENCE NO	111
JULY 31,19		K 13 MIN	10 250	236 MS	CCC *C	IMPACT	ALT	LA		.CN		R	v	PTH	A 7
TRAJECTUR						.564	1593.5022		350 -33		332			-73.178 1	
PHOTO DAT	LON	RANGE	A/ S	/C A/I	N ĀZ SUN	AZA	A *	B/A	AZPHAZ	LNCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
1 -11.717		1743.021	84 -59				30.36763				38.8		30.2	0.	0- 1
		1863.336				27.0	30.42959	0.711	-90.9		34.2		41.2	193.57409	
3 -11.021	-14.986	1/92.753	31 -6				29.24544				36.1		36.4	109.36592	
4 -10.906	-9.654	1896.005	72 -69				30.92024				32.3		45.5	158.59501	
5 -15.231	-8.193	1956.702	82 -£1				31.91946				32.4		46.5 36.7	168.78631	
6 -15.089		1842.169					3C.04224 29.24544				36.1		36.4	126.85870	
7 -11.021 8 -9.421	-17 630	1739.948	110 -6				28.30035				38.0		32.0	92.51219	
9 -9.217	-12.862	1822.990	20 -7				29.70206			75.0	34.3	41.4	40.5	142.65458	8- 9
10 -8.999	-7.101	1944.151	81 -7				31.58349	0.638	-65.4	80.6	3C.6	50.5	50.0	172.40978	9-10
11 -13.037	-5.708	1995.721	.82 -66	7. 14.			32.51666			82.2	30.4.	53.H.	_51.3.	129.12734	10-11
12 -17.921		2087.364					33.93622				30.7		53.0	162.52750	
13 -17.500		1933.012					31.47872				34.4		41.6	202.38367	
14 -17.263		1832.487					29.75755 28.90698				37.9		32.2	132.13487	14-15
15 -13.019 16 -9.421							28.30035				38.0			110.97880	
10 -7.421	-11.030	1137.740			7 01.67	27.3	20.50053	3.030	0012						

					RA-VI	I CAMER	4 FB							19
JULY 31,19	164 13 н	R 13 MIN 21	SEC 356	MS		TAB NO	55	ATLA	s рното	NO	55	POD S	SEQUENCE NO	113
TRAJECTOR	ATAU Y				SEC_TO		ALT	LAT			R	٧		ΔZ
PHOTO DAT	Δ				747	• 444	1583.53320	0 -4.3	74 -33.	632	3318.988	2.035	-73.143 11	6.755
PT LAT	LCN	RANGE	AZS/C	AZN	AZ SUN	AZA	Δ.	B/A	A 7 P H A 7	INCO	PHAZ EMIS	ALDHA	SCALE	PT-PT
1 -11.708	-18.327	1732.25938	-59.4	10.5	-85.0	29.5	30.18548	0.714	-92.6	69.8	38.9 33.7	30.1	0.	0- 1
2 -12.996	-11.942	1852.09392	-63.0	12.5	-84.5	27.0	30.24600		-90.9	76.1	34.2 44.6	41.1		1- 2
3 -11.028		1781.99965	-65.2	10.2	-82.9	25.7	29.07002			73.C	36.1 38.7	36.4	108.66651	2- 3
4 -10.914	-3.712	1884.47079	-69.0	11.7	-83.9	22.8	30.73215				32.3 47.1	45.5	157.53357	3- 4
5 -15.213	-8.263	1944.72098 1831.09995	-61.1	15.4	-87.3	28.4	31.72401				32.4 51.3	46.4	137.04096	4- 5
7 -11-02H	-15.009	1781.99965	-56.4 -65.2	13.2	-84.9 -82.9	31.4 25.7	29.86173 29.07002				36.1 43.0	36.6	167.61412	5- 6
8 -9.438	-17.637	1729.52136	-67.4	8.4	-81.8	24.6	28.13077				36.1 38.7 38.0 33.4	36.4	126.08901	6- 7
9 -9.235	-12.898	1811.98849	-71.3	9.7	-82.4	21.7	29.52284		-85.8	74 9	34.3 41.4	32.0	91.95157 141.75217	7- 8 8- 9
10 -9.019	-7.179	1932.15660	-74.0	10.9	-83.1	19.0	31.38872				30.6 50.4	49.9	171.17810	9-10
11 -13.032	-5.797	1983.34993	-66.7	14.4	-H6.7	24.2	32.31508				30.4 53.8	51.2	128.30534	
12 -17.884		2074.13052	-59.5	19.1	-92.1	29.8	33.72110	0.516			30.7 59.1	52.9	161.34564	
		1921.24442	-55.1	16.4	-87.7	32.7	31.28714	0.648	-96.4		34.4 49.7	41.6	200.73744	
14 -17.233	-15.899	1821.47888	-49.4	13.8	-85.0	35.9	29.57884		-95.9		38.1 42.2	32.0	157.45118	13-14
15 -13.015 16 -9.438		1763.51921	-57.9	10.7	-83.1	30 • 1	26.73409				37.9 36.9	32.2	131.32125	
10 -9.450	-17.037	1729.52136	-67.4	8.4	-81.8	24.6	28.13077	0.836	-86.2	70.3	38.0 33.4	32.0	110.32051	15-16
July 31.19	164 13 H	R 13 MIN 26	SEC 476	. M.S		TAB NO	56	ATLA	S PHOTO	NO	56	POD S	SEQUENCE NO	115
31,1		. 15 . 17 20	320 410											
TRAJECTOR	ATAG Y				SEC FO		ALT	LAT	LC	ON .	R	v	PTh A	ΔZ
					74.9	324	1573.5557	3 -4.3	97 -33.	585	3309.011	2.038	-73.108 116	6.749
PHOTO DAT	LON	RÁNGE	A 7 C / C		4.7.C.IA.		_							
		1721.48624	AZS/C	10 E	AZ SUN -85.0	AZA 29.5	A #	B/A	AZPHAZ	INCE	PHAZ EMIS			PT-PT
2 -12-991	-11.984	1540.63925	-62.9	12.5	-84.5	27.1	30.00290 30.06220		-92.6 -90.9	74 1	38.9 33.6	30.1	0.	0-1
3 -11.036	-15.032		-65.2	10.2	-82.8	25.7	28.89439				34.2 44.6 36.1 38.7	41.1 36.3	192.26099 107.96672	1- 2 2- 3
4 -10.922	-9.771	1872.92438			-83.9	22.8	30.54367				32.3 47.0	45.4	156.47241	
5 -15.194	-8.333	1932.72810	-61.1	15.4	-87.3	28.4	31.52837	C.627			32.4 51.2	46.3	136-16470	4-5
6 -15.055	-14.024	1820.01692	-56.4	13.2	-84.9	31.4	29.68100				36.1 42.9	36.6	166.44290	5- 6
		1771.23340			−82.8	25.7	28.89439				36.1 38.7	36.3	125.31848	6- 7
		1719.08247		8.5	-81.8	24.6	27.96099				38.0 33.4	31.9	91.39022	7-8
10 -9.038		1800.97476	-71.2	9.7	-82.4	21.7	29.34343				34.3 41.3	40.4	140.84927	8- 9
11 -13.026		1920.15201 1970.96910	-74.0 -66.7	10.9	-83.1	19.0	31.19379				30.6 50.4	49.8	169.94785	9-10
12 -17.847		2060.89243	-59.5	19.1	-86.7 -92.1	24.2	32.11337				30.5 53.7	51.1	127.48308	
13 -17.436		1909.46461	-55.1	16.3	-87.6		31.09536				30.7 58.9	52.7 41.5	160.16648	
14 -17.203		1810.45711	-49.4	13.7	-65.0		29.39993				38.1 42.1	32.0	156.39616	
15 -13.011		1752.89531	-57.9	10.7			28.56099				37.9 36.9	32.2	130.50683	
16 -9.455	-17.643	1719.08247	-67.4	8.5		24.6	27.96099				38.0 33.4	31.9	109.66122	15-16
JULY 31,19	64 13 H	R 13 MIN 31	SEC 595	MS		TAB NO	57	ATLA	S PHOTO	NO	57	POD :	SEQUENCE NO	117
TRAJECTOR	Y DATA				SEC TO	IMPACT	AL T	LAT		:N	R	v	PTH	<b>A</b> 7
					SEC TO 737.	IMPACT	ALT 1563.56900		LC 21 -33.		R 3299.024		PTH -73.072 116	AZ 6.743
TRAJECTOR PHOTO DAT PT LAT		RANGE	AZS/C	AZN	737.	204	1563.56900	0 -4.4	21 -33.	538	3299.024	2.040	-73.072 116	6.743
PHOTO DAT	A LON	RANGE 1829-58551		AZN 12.5	737. AZSUN	204 AZA	1563.56900	0 -4.4 B/A	21 -33. AZPHAZ	538 INCD	3299.024 PHAZ EMIS	2.040	-73.072 110 SCALE	6.743 PT-PT
PHOTO DAT PT LAT 2 -12.987 3 -11.043	LON -12.026 -15.054	1829.58551 1760.46509	-62.9 -65.1	12.5	737. AZSUN -84.5	AZA 27.1	1563.56900 A* 29.87842	B/A 0.712	21 -33. AZPHAZ -90.9	538 INCD 76•1	3299.024 PHAZ EMIS 34.2 44.6	2.040 ALPHA 41.0	SCALE 0.	6.743 PT-PT 1- 2
PHOTO DAT PT LAT 2 -12.987 3 -11.043 4 -10.930	LON -12.026 -15.054 -9.828	1829.58551 1760.46509 1861.38229	-62.9 -65.1 -68.9	12.5 10.2 11.7	737. AZSUN -84.5 -82.8 -83.9	AZA 27.1 25.7 22.9	A+ 29.87842 28.71873 30.35566	8/A 0.712 0.782 0.683	21 -33. AZPHAZ -90.9 -88.3 -88.1	538 INCD 76-1 73-0	3299.024 PHAZ EMIS	ALPHA 41.0 36.3	-73.072 110 SCALE	6.743 PT-PT
PHOTO DAT PT LAT 2 -12.987 3 -11.043 4 -10.930 5 -15.175	LON -12.026 -15.054 -9.828 -8.403	1829.58551 1760.46509 1861.38229 1920.74196	-62.9 -65.1 -68.9 -61.1	12.5 10.2 11.7 15.4	737. AZSUN -84.5 -82.8 -83.9	AZA 27.1 25.7 22.9	A* 29.87842 28.71873 30.35566 31.33285	8/A 0.712 0.782 0.683 0.628	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.8	538 INCD 76.1 73.0 78.1 79.7	3299.024 PHAZ EMIS 34.2 44.6 36.1 38.6 32.3 47.0 32.4 51.1	ALPHA 41.0 36.3 45.4 46.3	SCALE 0. 107-26895	PT-PT 1- 2 2- 3
PHOTE DAT PT LAT 2 -12-987 3 -11.043 4 -10.930 5 -15.175 6 -15.038	LON -12.026 -15.054 -9.828 -8.403 -14.053	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250	-62.9 -65.1 -68.9 -61.1 -56.4	12.5 10.2 11.7 15.4 13.2	737. AZSUN -84.5 -82.8 -83.9 -87.2 -84.9	AZA 27.1 25.7 22.9 26.4 31.4	A* 29.87842 28.71873 30.35566 31.33285 29.50025	8/A 0.712 0.782 0.683 0.628 C.733	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.8 -93.4	538 INCD 76.1 73.0 78.1 79.7 74.3	3299.024 PHAZ EMIS 34.2 44.6 36.1 38.6 32.3 47.0 32.4 51.1 36.1 42.9	ALPHA 41.0 36.3 45.4 46.3 36.6	SCALE 0. 107.26895 155.41556 135.28975 165.27751	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTE DAT PT LAT 2 -12-987 3 -11-043 4 -10-930 5 -15-175 6 -15-038 7 -11-043	LON -12.026 -15.054 -9.828 -8.403 -14.053 -15.054	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1760.46509	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1	12.5 10.2 11.7 15.4 13.2 10.2	737. AZSUN -84.5 -82.8 -83.9 -87.2 -84.9	AZA 27.1 25.7 22.9 28.4 31.4	A* 29.87842 28.71873 30.35566 31.33285 29.50025 28.71873	8/A 0.712 0.782 0.683 0.628 C.733 0.782	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.8 -93.4 -88.3	538 INCD 76.1 73.0 78.1 79.7 74.3 73.0	3299.024 PHAZ EMIS 34.2 44.6 36.1 38.6 32.3 47.0 32.4 51.1 36.1 42.9 36.1 38.6	ALPHA 41.0 36.3 45.4 46.3 36.6 36.3	SCALE 0 0. 107.26895 155.41556 135.28975 165.27751 124.54806	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
PHOTE DAT PT LAT 2 -12-987 3 -11.043 4 -10.930 5 -15.175 6 -15.038 7 -11.043 8 -9.472	LON -12.026 -15.054 -9.828 -8.403 -14.053 -15.054 -17.649	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1760.46509 1708.63989	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1 -67.3	12.5 10.2 11.7 15.4 13.2 10.2 8.5	737. AZSUN -84.5 -82.8 -83.9 -87.2 -84.9 -82.8 -81.8	AZA 27.1 25.7 22.9 26.4 31.4 25.7 24.6	A* 29.87842 28.71873 30.35566 31.33285 29.50025 28.71873 27.79115	8/A 0.712 0.782 0.683 0.628 C.733 0.782 0.838	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.8 -93.4 -88.3 -86.2	538 1NCD 76.1 73.0 78.1 79.7 74.3 73.0 70.3	3299.024 PHAZ EMIS 34-2 44-6 36-1 38-6 32-3 47-0 32-4 51-1 36-1 42-9 36-1 38-6 38-0 33-4	ALPHA 41.0 36.3 45.4 46.3 36.6 36.3 31.9	SCALE 0 0. 107.26895 155.41556 135.28975 165.27751 124.54806 90.82964	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8
PHOTO DAT PT LAT 2 -12.987 3 -11.043 4 -10.930 5 -15.175 6 -15.038 7 -11.043 8 -9.472 9 -9.272	LON -12.026 -15.054 -9.828 -8.403 -14.053 -15.054 -17.649 -12.971	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1760.46509 1708.63989 1789.96155	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1 -67.3 -71.2	12.5 10.2 11.7 15.4 13.2 10.2 8.5 9.7	737. AZSUN -84.5 -82.8 -83.9 -87.2 -84.9 -82.8 -81.8 -82.4	AZA 27.1 25.7 22.9 28.4 31.4 25.7 24.6 21.8	A* 29.87842 28.71873 30.35566 31.33285 29.50025 20.71873 27.79115 29.16402	8/A 0.712 0.782 0.683 0.628 C.733 0.782 0.838 0.753	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.8 -93.4 -88.3 -86.2 -85.8	538 1NCD 76.1 73.0 78.1 79.7 74.3 73.0 70.3 74.9	3299.024 PHAZ EMIS 34-2 44-6 36-1 38-6 32-3 47-0 32-4 51-1 36-1 42-9 36-1 38-0 38-0 33-4 34-3 41-3	ALPHA 41.0 36.3 45.4 46.3 36.6 36.3 31.9	SCALE 0. 107-26895 155-41556 135-28975 165-27751 124-54806 90-82964 139-94872	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9
PHOTO DAT PT LAT 2 -12.987 3 -11.043 4 -10.930 5 -15.175 6 -15.038 7 -11.043 8 -9.472 9 -9.272 10 -9.058	LON -12.026 -15.054 -9.828 -8.403 -14.053 -15.054 -17.649 -12.971 -7.332	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1760.46509 1708.63989 1789.96155 1908.15707	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1 -67.3 -71.2 -73.9	12.5 10.2 11.7 15.4 13.2 10.2 8.5 9.7 10.9	737. AZSUN -84.5 -82.8 -83.9 -87.2 -84.9 -82.8 -81.8 -82.4 -63.1	AZA 27.1 25.7 22.9 26.4 31.4 25.7 24.6 21.8 19.1	A* 29.87842 28.71873 30.35566 31.33285 29.50025 28.71873 27.79115 29.16402 30.99901	8/A 0.712 0.782 0.683 0.628 0.733 0.782 0.838 0.753 0.641	21 -33. AZPHAZ -90.9 -90.9 -88.3 -88.1 -93.8 -93.4 -88.3 -86.2 -85.8 -85.4	INCD 76-1 73-0 78-1 79-7 74-3 73-0 70-3 74-9 80-4	3299.024 PHAZ EMIS 34-2 44-6 36-1 38-6 32-3 47-0 32-4 51-1 36-1 42-9 36-1 38-6 38-0 33-4 34-3 41-3 30-6 50-3	ALPHA 41.0 36.3 45.4 46.3 36.6 36.3 31.9 40.4 49.7	SCALE 0. 0. 107.26895 155.41556 135.28975 165.27751 124.54806 90.82964 139.94872 168.72453	PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10
PHOTO DAT PT LAT 2 -12.987 3 -11.043 4 -10.930 5 -15.175 6 -15.038 7 -11.043 8 -9.472 9 -9.272 10 -9.058 11 -13.021 12 -17.889	LON -12.026 -15.054 -9.828 -8.403 -15.054 -17.649 -12.971 -7.332 -5.973	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1760.46509 1708.63989 1789.96155 1908.15707	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1 -67.3 -71.2 -73.9	12.5 10.2 11.7 15.4 13.2 10.2 8.5 9.7 10.9	737. -84.5 -82.8 -83.9 -87.2 -84.9 -82.8 -81.8 -83.1 -86.6	AZA 27.1 25.7 22.9 26.4 31.4 25.7 24.6 21.8 19.1 24.3	A* 29.87842 28.71873 30.35566 31.33285 29.50025 28.71873 27.79115 29.16402 30.99901 31.91185	B/A 0.712 0.782 0.628 0.628 0.733 0.782 0.838 0.753 0.753 0.641	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.8 -93.4 -88.3 -86.2 -85.8 -85.4 -91.0	1NCD 76-1 73-0 78-1 79-7 74-3 73-0 70-3 74-9 80-4 81-9	3299.024 PHAZ EMIS 34.2 44.6 36.1 38.6 32.3 47.0 32.4 51.1 36.1 42.9 36.1 38.6 38.0 33.4 34.3 41.3 30.6 50.3	ALPHA 41.0 36.3 45.4 46.3 36.6 36.3 31.9 40.4 49.7 51.0	SCALE 0. 107.26895 155.41556 135.28975 165.27751 124.54806 90.82964 139.94872 168.72453 126.66234	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10
PHOTO DAT PT LAT 2 -12-987 3 -11.043 4 -10.930 5 -15.175 6 -15.038 7 -11.043 8 -9.472 9 -9.272 10 -9.058 11 -13.021 12 -17.809	LON -12.026 -15.054 -9.828 -8.403 -15.054 -17.649 -12.971 -7.332 -5.973 -3.741	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1760.46509 1708.63989 1789.96155 1908.15707 1958.60046 2047.67542	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1 -67.3 -71.2 -73.9 -46.7	12.5 10.2 11.7 15.4 13.2 10.2 8.5 9.7 10.9 14.4 19.0	737. AZ SUN -84.5 -82.8 -83.9 -87.2 -84.9 -82.8 -81.8 -82.4 -63.1 -86.6 -92.0	AZA 27.1 25.7 22.9 26.4 31.4 25.7 24.6 21.8 19.1 24.3 29.8	A*  29.87842 28.71873 30.35566 31.33285 29.50025 20.71873 27.79115 29.16402 30.99901 31.91185 33.29106	B/A 0.712 0.782 0.683 0.628 0.733 0.782 0.838 0.753 0.641 0.695	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.8 -93.4 -88.3 -86.2 -85.8 -85.4 -97.1	1NCD 76-1 73-0 78-1 79-7 74-3 73-0 70-3 74-9 80-4 81-9 84-3	9299.024 PHAZ EMIS 34.2 44.6 36.1 38.6 32.4 51.1 36.1 42.9 36.1 38.6 38.0 33.4 34.3 41.3 30.6 50.3 30.5 53.6 30.7 58.8	ALPHA 41.0 36.3 45.4 46.3 36.6 36.3 31.9 40.4 49.7 51.0 52.6	73.072 110 SCALE 0. 107.26895 155.41556 135.28975 165.27751 124.54806 90.82964 139.94872 168.72453 126.66234 158.99354	PT-PT 1-2 2-3 3-4 5-6 6-7 7-8 8-9 9-10
PHOTO DAT PT LAT 2 -12.987 3 -11.043 4 -10.930 5 -15.175 6 -15.038 7 -11.043 8 -9.472 10 -9.058 11 -13.021 12 -17.809 13 -17.403 14 -17.172	LCN -12.026 -15.054 -9.828 -8.403 -15.054 -17.649 -12.971 -7.332 -5.973 -3.741 -10.568	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1760.46509 1708.63989 1789.96155 1908.15707 1958.60046 2047.67542	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1 -67.3 -71.2 -73.9	12.5 10.2 11.7 15.4 13.2 10.2 8.5 9.7 10.9	737. -84.5 -82.8 -83.9 -87.2 -84.9 -82.8 -81.8 -83.1 -86.6	AZA 27.1 25.7 22.9 26.4 31.4 25.7 24.6 21.8 19.1 24.3	A* 29.87842 28.71873 3C.35566 31.33285 29.50025 28.71873 27.79115 29.16402 31.91185 33.29106	8/A 0.712 0.782 0.683 0.628 0.782 0.838 0.753 0.641 0.595 0.520 0.650	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.4 -88.3 -86.3 -85.8 -91.0 -91.0 -96.4	1NCD 76-1 73-0 78-1 79-7 74-3 73-0 70-3 74-9 80-4 81-9 84-3 77-8	PHAZ EMIS 34.2 44.6 36.1 38.6 32.3 47.0 32.4 51.1 36.1 42.9 36.1 38.6 38.0 33.4 34.3 41.3 30.6 50.3 30.5 53.6 30.7 58.8	ALPHA 41.0 36.3 45.4 46.3 36.6 36.3 31.9 40.4 49.7 51.0 52.6 41.4	73.072 116 SCALE 0. 107.26895 155.41556 135.28975 165.27751 124.54806 90.82964 139.94872 168.72453 126.66234 158.99354 197.47184	6.743 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 7- 8 8- 9 9-10 10-11 11-12 12-13
PHOTE DAT PT LAT 2 - 12.987 3 - 11.043 4 - 10.930 5 - 15.175 6 - 15.038 7 - 11.043 8 - 9.472 9 - 9.272 10 - 9.058 11 - 13.021 12 - 17.809 13 - 17.403 14 - 17.172 5 - 13.006	LON -12.026 -15.054 -9.828 -8.403 -14.053 -15.054 -17.649 -12.971 -7.332 -5.973 -3.741 -10.568 -15.934 -16.959	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1708.63989 1789.96155 1908.15707 1958.60046 2047.6,7542 1897.68819 1799.43237 1742.26761	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1 -67.3 -71.2 -73.9 -66.7 -59.5	12.5 10.2 11.7 15.4 13.2 10.2 8.5 9.7 10.9 14.4 19.0	737. AZ SUN -84.5 -82.8 -83.9 -87.2 -84.9 -82.8 -81.8 -82.4 -63.1 -86.6	AZA 27-1 25-7 22-9 26-4 31-4 25-7 24-6 21-8 19-1 24-3 32-7	A*  29.87842 28.71873 30.35566 31.33285 29.50025 20.71873 27.79115 29.16402 30.99901 31.91185 33.29106	8/A 0.712 0.782 0.683 0.628 0.733 0.788 0.753 0.641 0.595 0.650 0.650	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.4 -88.3 -86.2 -85.8 -85.4 -91.0 -97.1 -95.9	1NCD 76-1 73-0 78-1 79-7 74-3 73-0 70-3 74-9 80-4 81-9 84-3 77-8 72-7	9299.024 PHAZ EMIS 34.2 44.6 36.1 38.6 32.3 47.0 36.1 42.9 36.1 42.9 36.1 38.6 38.0 33.4 43.3 41.3 30.5 53.6 30.7 58.8 34.4 49.6	ALPHA 41.0 36.3 45.4 46.3 36.6 36.3 31.9 40.4 49.7 51.0 52.6 41.4 32.0	-73-072 110 SCALE 0 07-26895 155-41556 135-28975 165-27751 124-54806 90-82964 139-94872 168-72453 158-99354 197-47184 197-47184	6.743 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 113-14
PHOTO DAT PT LAT 2 -12.987 3 -11.043 4 -10.930 5 -15.175 6 -15.038 7 -11.043 8 -9.472 10 -9.058 11 -13.021 12 -17.809 13 -17.403 14 -17.172	LON -12.026 -15.054 -9.828 -8.403 -14.053 -15.054 -17.649 -12.971 -7.332 -5.973 -3.741 -10.568 -15.934 -16.959	1829.58551 1760.46509 1861.38229 1920.74196 1808.93250 1708.63989 1789.96155 1908.15707 1958.60046 2047.6,7542 1897.68819 1799.43237 1742.26761	-62.9 -65.1 -68.9 -61.1 -56.4 -65.1 -67.3 -71.2 -73.9 -66.7 -59.5 -55.1	12.5 10.2 11.7 15.4 13.2 10.2 8.5 9.7 10.9 14.4 19.0 16.3	737.  AZSUN -84.5 -82.8 -83.9 -87.9 -82.8 -81.8 -81.8 -82.4 -83.1 -86.6 -92.0 -87.6	AZA 27.1 25.7 22.9 26.4 31.4 25.7 24.6 21.8 19.1 24.3 29.8 32.7 35.8	1563.56900  A* 29.87842 28.71873 30.35566 31.33285 29.50025 28.71873 27.79115 29.16402 30.99901 31.91185 33.29106 30.90363 29.22096	8/A 0.712 0.782 0.683 0.683 0.782 0.838 0.782 0.651 0.595 0.520	21 -33. AZPHAZ -90.9 -88.3 -88.1 -93.8 -93.4 -88.3 -85.4 -81.0 -97.1 -96.4 -95.9 -90.8	538 INCD 76.1 73.0 78.1 79.7 74.3 73.0 70.3 74.9 80.4 81.9 84.3 77.8 77.7	PHAZ EMIS 34.2 44.6 36.1 38.6 32.3 47.0 32.4 51.1 36.1 42.9 36.1 38.6 38.0 33.4 30.5 53.6 30.5 53.6 30.7 58.8 34.4 49.6 38.1 42.1	2.040 ALPHA 41.0 36.3 45.4 46.3 36.6 36.3 31.9 40.4 49.7 51.0 52.6 41.4 32.0 32.2	73.072 116 SCALE 0. 107.26895 155.41556 135.28975 165.27751 124.54806 90.82964 139.94872 168.72453 126.66234 158.99354 197.47184	6.743 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 112-13 113-14

RA-VII CAMERA FE

JULY 31,1964 13 HR 13 MIN 36	SEC 715 MS	Т	AB NO	58	ATLAS	PHOTO NO	58	POD SI	EQUENCE NO	119
TRAJECTORY DATA		SEC TO :		ALT 1553.57355	LAT	LON 5 -33.491	R 3200 020	V 2 062	PTH -73.037 11	AZ 6.737
PHOTO DATA		132.0	704			-33.471	3207.027	2.042	-,5.05. 11.	,
PT LAT LEN RANGE	AZS/C AZN	AZ SUN	AZA	A+	B/A AZ	PHAZ INCO	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 -12.982 -12.068 1818.33034	-62.9 12.5	-84.5	27.1	29.69462			34.2 44.5		0.	1- 2
3 -11.051 -15.075 1749.69301	-65.1 10.2	-82.8	25.8	28.54301	0.782 -	88.3 72.9	36.1 38.6	36.3	106.57261	2- 3
4 -10.938 -9.885 1849.84174	-68.9 11.7	-83.9	22.9	30.16747			32.3 46.9		154, 36220	3- 4
5 -15.157 -8.471 1908.75925	-61.1 15.3	-87.2	28.4	31.13738	C.629 -	-93.8 79.6	32.4 51.1		134.41590	4- 5
6 -15.021 -14.082 1797.84462	-56.4 13.1	-84.9	31.4	29.31945			36.1 42.9		164.11694	5- 6
7 -11.051 -15.075 1749.69301	-65.1 10.2	-62.B	25.8	28.54301			36.1 38.6		123.77773	6- 7
8 -9.489 -17.655 1698.19229	-67.3 8.5	-81.8	24.7	27.62123			38.0 33.4	31.9	90.26963	7- 8
9 -9.290 -13.006 1778.94666	-71.1 9.7	-82.4	21.8	28.98458			34.3 41.3	40.3	139.04997	8- 9
10 -9.077 -7.408 1896.16824	-73.9 10.9	-83.1	19.1	30.80433			30.6 50.2	49.7	167.50696	9-10
11 -13.015 -6.060 1946.23997	-66.6 14.3	-86.6	24.3	31.71047			30.5 53.5	50.9	125.84297	
12 -17.772 -3.852 2034.47444		-91.9	29.8	33.07647			30.7 58.7		157.82607 195.85895	
13 -17.371 -10.622 1885.91238	-55.1 16.3	-87.6	32.7	30.71192			34.4 49.5	41.4	154.29764	
14 -17.142 -15.951 1788.40288	-49.5 13.7	-85.0	35.8	29.04191			38.1 42.1	32.0		
15 -13.002 -16.969 1731.63460	-57.9 10.7	-83.1	30.1	28.21458			37.9 36.9	32.2	128.87839	
16 -9.489 -17.655 1698.19229	-67.3 8.5	-81.8	24.7	27.62123	0.838 -	-86.2 70.3	38.0 33.4	31.9	108.34177	
JULY 31,1964 13 HK 13 MIN 41	SEC H35 MS	1	AB NO	59	ATLAS	PHOTO NO	59	POD S	EQUENCE NO	121_
30E1 3171704 15 mm 15 11m 12	020 022									
TRAJECTORY DATA		SEC TO	IMPACT	AL T	LAT	LON	R	٧	PTH	AZ
THE CONTRACT OF THE CONTRACT O		726.		1543.5690			3279.024	2.044	-73.001 11	6.730
PHOTO DATA										
PT LAT LON RANGE	AZS/C AZN	AZSUN		A+	B/A A	ZPHAZ INCD	PHAZ EMIS	ALPHA		PT-PT
2 -12.977 -12.110 1807.06122	-62.9 12.5	-84.5	27.1			-90.9 76.0		40.9	0.	1- 2
3 -11.058 -15.097 1738.90717	-65.1 1C.2	-82.8	25.8	28.36706			36.1 38.6			2- 3
4 -10.946 -9.942 1838.28819	-68.9 11.7	-83.9	23.0	29.97908			32.3 46.9	45.2	153.30874	3- 4
5 -15.138 -8.540 1896.76385	-61.1 15.3	-87.2	28.4	30.94171			32.4 51.0	46.1	133.54153	4- 5
6 -15.004 -14.110 1786.74252	-56.4 13.1	-84.9	31.4	29.13841	0.734		36.1 42.8	36.5	162.95687	5- 6
7 -11.058 -15.097 1738.90717		-82.8		28.36706	0.782_	-88.3 72.9	36.1 38.6	36.3	123.00627	_6- 7
8 -9.506 -17.661 1687.73149	-67.2 8.5	-81.6	24.7	27.45110	0.838	-86.2 70.3	38.0 33.4	31.9	89.70890	7- 8
9 -9.308 -13.042 1767.91661	-71.1 9.7	-82.4	21.9	28.80493			34.3 41.2	40.3	138.15062	8- 9
10 -9.096 -7.484 1884.16843	-73.9 10.9	-83.0	19.2	30.60948			30.6 50.2	49.6	166.29051	9-10
11 -13.010 -6.147 1933.86876	-66.6 14.3	-86.5	24.3	31.50891			30.5 53.4	50.8	125.02297	
12 -17.734 -3.963 2021.26694	-59.5 18.9	-91.8	29.8	32.86177	0.523	-97.1 84.1	30.7 58.6	52.4	156.66078	
13 -17.338 -10.677 1874.12306	-55.1 16.2		32.7	30.51998	0.651	-96.4 77.7	34.4 49.5	41.3	194.25150	
14 -17.111 -15.969 1777.35913	-49.5 13.7	-85.0	35.8	28.86264	0.746	-95.9 72.6	38.1 42.0	31.9	153.24994	
15 -12.997 -16.979 1/20.98761	-57.9 10.7	-83.1	30.1	28.04110			37.9 36.9	32.2	128.06312	
16 -9.506 -17.661 1687.73149	-67.2 8.5	-81.8	24.7	27.45110	C.838	-86.2 70.3	38.0 33.4	31.9	107.68090	15-16
			TAB NO	60	471.40	PHOTO NO	60	pon s	SEQUENCE NO	123
JULY 31,1964 13 HR 13 MIN 46	SEC 955 MS			60	AILAS	PHOTO NO	60	100	PEÓDEITOE IT	
30E1 3171701 13 III 13 I III 15	000 132									
TRAJECTURY DATA		SEC TO	IMPACT	ALT	LAT	LON	R	٧	PTH	AZ
		721.		1533.5556	C -4.49	3 -33.395	3269.01	2.046	-72.966 1	16.724
PHOTO DATA										
PT LAT LON RANGE	AZS/C AZN	AZ SUN	AZA	A =		ZPHAZ INCD			SCALE	PT-PT
2 -12.972 -12.142 1795.45850	-62.9 12.5	-84.5	27.1	29.32927			34.2 44.5		0	1- 2
3 -11.065 -15.110 1728.25137	-65.0 10.2	-82.8	25.8	28.19323	0.782		36.1 38.6	36.3	105.20726	2- 3
4 -10.953 -9.989 1826.93068	-68.8 11.7	-83.9	23.0	29.79387	0.685		32.3 46.8	45.2	152.30629	3- 4
5 -15.119 -8.598 1884.98943	-61.1 15.3	-87.1	28.4	30.74964	0.631		32.4 51.0		132.69000	4- 5
6 -14.986 -14.130 1775.78317	-56.4 13.1		31.4	28.95969			36.1 42.8	36.5	161.85856	5- 6
7 -11.065 -15.110 1728.25137	-65.0 10.2		25.8	28.19323			36.1 38.6		122.24771	6- 7
8 -9.522 -17.659 1677.37466	-67.2 8.5		24.7	27.28265			38.0 33.4	31.9	89.16713	7- 8
9 -9.325 -13.069 1757.04456	-71.1 9.7		21.9	28.62778			34.3 41.2		137.28714	8- 9
10 -4.115 -7.549 1672.40474	-73.8 10.9		19.2	30.41843			30.6 50.1		165.14080	9-10
11 -13.004 -6.222 1921.75937	-66.6 14.3	-86.5	24.3	31.31161			30.5 53.4		124.22706	
12 -17.697 -4.060 2008.37711	-59.5 18.9	-91.8	29.8	32.65222	0.525		30.7 58.5		155.54273	
13 -17.305 -10.721 1862.52444	-55.1 16.2		32.7	30.33113		-96.4 77.7	34.4 49.4		192.75155	
14 -17.081 -15.977 1766.43916	-49.5 13.6		35.7	28.68534		-95.9 72.6	38.1 42.0	31.9	152.25253	
15 -12.992 -16.980 1710.45134	-57.9 10.7		3C.1	27.86943		-90.8 71.2	37.9 36.9	32.2	127.26068	14-15
16 -9.522 -17.659 1677.37466			24.7	27.28265		-86.2 70.3	38.C 33.4	31.9	107.02815	15-16

	RA-VII CAMER	A FB			21
JULY 31,1964 13 HR 13 MIN 52 SEC 75 MS	TAB NO	61	ATLAS PHOTO NO	61 POD	SEQUENCE NO 125
TRAJECTORY DATA	SEC TO IMPACT	AL T	LAT LON	R V	PTH AZ
PHOTO DATA	716.724	1523.53299 -	4.517 -33.347		
PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -12-967 -12-170 1784-95039 -62-9 12-5 3 -11-071 -15-119 1717-68869 -65-0 10-2 4 -10-960 -10-030 1185-68887 -68-8 11-7 5 -15-100 -8-650 1873-34245 -61-1 15-3 6 -14-969 -14-14-5 1764-994-0 -56-4 31-1 7 -11-071 -15-119 1717-68869 -55-0 10-2 8 -9-538 -17-653 1667-07561 -67-2 8-5 9 -9-343 -13-090 1746-32815 -71-0 9-8	AZSUN AZĀ	A• B/	A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
3 -11-071 -15-119 1717-66869 -65-0 10-2	-84.5 27.1	29.14950 0.7	714 -90.9 75.9	34.2 44.4 40.9	0. 1-2
4 -10.960 -10.030 1815.68587 -68.8 11.7	-83.8 23.0	29.61050 0.6	82 -88.3 72.9 85 -88.1 77.9	36.1 38.6 36.3	104.55573 2-3
5 -15.100 -8.650 1873.34245 -61.1 15.3	-87.1 28.4	30.55964 C.6	31 -93.8 79.5	32.4 50.9 46.0	131.85212 4- 5
6 -14.969 -14.145 1764.90440 -56.4 13.1 7 +11.071 -15.119 1717 44840 -14.0	-84.8 31.3	_28.78229 C.1	34 -93.4 74.2	36.1 42.8 36.5	160.79690 5- 6
8 -9.538 -17.653 1667.07561 -67.2 8.5	-82.8 25.8 -81.8 24.8	28.02060 0.7	182 -88.3 72.9	36.1 38.6 36.3	121.49674 6- 7
9 -9.343 -13.090 1746.25815 -71.0 9.8	-82.3 22.0	28.45204 0.1	54 -85.8 74.8	34.3 41.2 40.3	136.44486 8- 9
10 -9.133 -7.608 1860.77806 -73.8 10.9	-83.0 19.3	30.22959 0.6	44 -85.4 80.2	30.6 50.1 49.5	164,03088 9-10
11 -12.998 -6.290 1909.80241 -66.6 14.3 12 -17.661 -4.149 1995.67361 -59.5 18.9	-86.5 24.4	31.11680 C.5	99 -9i-0 81-6	30.4 53.3 50.7	123.44526 10-11
13 -17.273 -10.759 1851.03511 -55.1 16.2	-91.7 29.8 -87.5 32.7	30.14405 0.6	26 -97.1 83.9 52 -96.4 77.6	30.7 58.4 52.2	154.45314 11-12 191.31653 12-13
14 -17.050 -15.981 1755.58830 -49.5 13.6	-85_1 35_7	28.50916 0.7	46 -95.9 72.6	38.1 42.0 31.9	151.28500 13-14
15 -12.987 +16.978 1699.97649 -57.9 10.7		27.69875 0.8	101 -90.8 71.2	37.9 36.9 32.2	126-46548 14-15
16 -9.538 -17.653 1667.07561 -67.2 8.5	-81.8 24.8	27.11514 C.8	138 -86.2 70.3	38.0 33.4 31.9	106.37996 15-16
JULY 31,1964 13 HR 13 MIN 57 SEC 195 MS	TAB NO	62	ATLAS PHOTO NO	62 POD	SEQUENCE NO 127
	SEC TO IMPACT 711.604	1512 50100	LAT LCN 4.542 -33.298	R V 3248.957 2.05	PTH AZ 1 -72.893 116.712
PRUIL UNITA  PT LAT LON RANGE A/S/C A/N 2 -12.962 -12.197 1773.92366 -62.9 12.5 3 -11.078 -15.128 1707.08668 -65.0 10.3 4 -10.967 -10.072 1861.67592 -61.1 15.3 6 -14.951 -14.160 1754.00731 -56.4 13.1 7 -11.078 -15.128 1707.08688 -65.0 10.3 8 -9.554 -17.647 1656.76054 -67.1 8.5 9 -9.360 -13.112 1735.45418 -71.0 9.8 10 -9.151 -7.667 1849.13306 -73.7 11.0 11 -12.992 -6.359 1897.82616 -66.5 14.3 12 -17.624 -4.238 1982.95219 -59.5 18.8 13 -17.261 -10.797 1839.52655 -55.1 16.1	AZSUN AZA	A	A AZDMAZ 180 D		
2 -12.962 -12.197 1773.92366 -62.9 12.5	-84.5 27.1	28.96942 0.7	14 -90.9 75.9	34.2 44.4 40.9	0. 1- 2
3 -11.078 -15.128 1707.06868 -65.0 10.3	-82.8 25.8	27.84768 C.7	82 -88.3 72.9	36.1 38.6 36.3	103.90271 2- 3
4 -10.967 -10.072 1804.42223 -68.8 11.7 5 -15 081 -8 703 1811 47603 (1) 1 15 3	-83.8 23.1	29.42682 0.6	85 -88.1 77.8	32.3 46.8 45.1	150.36014 3- 4
6 -14.951 -14.160 1754-00731 -56-4 13.1	-87.1 28.4	30.36933 0.6	32 -93.8 79.4	32.4 50.9 46.0	131.01259 4- 5
7 -11.078 -15.128 1707.06868 -65.0 10.3	-82.8 25.8	27.84768 0.7	82 -88-3 72.9	36.1 38.6 36.5	159.73363 5- 6
8 -9.554 -17.647 1656.76054 -67.1 8.5	-81.8 24.8	26.94736 0.6	38 -86.2 70.3	38.0 33.4 32.0	88.10440 7-8
9 +9.360 -13.112 1735.45418 -71.0 9.8	-82.3 22.0	28.27603 0.7	54 -85.8 74.7	34.3 41.2 40.2	135.60081 8- 9
11 -12,992 -6,359 1897,82616 -66 5 16 3	-83.0 19.3	30.04045 0.6	45 -85.4 8C.1	30.6 50.0 49.4	162.91964 9-10
12 -17.624 -4.238 1982.95219 -59.5 18.8	-91.6 29.8	32.23889 0.5	27 -97-1 83-8	30.4 53.2 50.6	122.66207 10-11
13 -17.241 -10.797 1839.52655 -55.1 16.1	-87.5 32.7	29.95666 0.6	53 -96.4 77.6	34.4 49.3 41.2	189.88197 12-13
14 -17.019 -15.985 1744.71982 -49.6 13.6 15 -12.982 -16.975 1689.46474 -57.9 10.7	-85.1 35.7	20.332C9 U.I	46 -95.9 12.6	30 1 42 U 31 9	150.31557 13-14
16 -9.554 -17.647 1656.76054 -67.1 8.5	-83.1 30.1	2/+52/81 0.8	01 ~90.8 71.2	37.9 36.9 32.2	125-66891 14-15
11 11 11 11 11 11 11 11 11 11 11 11 11	-01.6 24.6				105.73071 15-16
JULY 31,1964 13 HR 14 MIN 2 SEC 315 MS	TAB NO	63 A	TLAS PHOTO NO		SEQUENCE NO 129
TRAJECTORY DATA	SEC TO IMPACT	AI T	LAT LCN	R V	PTH AZ
PHOTC UATA	706.465	1503.46042 -	4.566 -33.249	3238.916 2.05	3 -72.857 116.706
PT LAT LCN RANGE AZS/C AZN	AZ SUN AZA	A+ B/	A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
3 -11.084 -15.136 1696.48003 -65.0 10.3	-84.5 27.2	28.78963 0.7	14 ~90.9 75.9	34.2 44.4 40.8	0. 1-2
2 -12.957 -12.223 1762.91412 -62.8 12.5 3 -11.084 -15.136 1696.48003 -65.0 10.3 4 -10.974 -10.112 1793.18132 -68.8 11.7 5 -15.063 -8.752 1850.03627 -61.1 15.2 6 -14.934 -14.174 1743.12331 -56.5 13.1	-83.8 23.1	29.24351 0.6	86 -88-1 77-8	30.0 38.6 36.3	103.25391 2- 3 149.39431 3- 4
5 -15.063 -8.752 1850.03627 -61.1 15.2	-87.1 26.4	30.17946 0.6	32 -93.8 79.4	32.4 50.8 45.9	130.17656 4- 5
	~84.8 31.3	28.42709 0.7	35 -93.5 74.1	36-1 42-8 36-5	158.68063 5- 6
7 -11.084 -15.136 1696.48003 -65.0 10.3 8 -9.570 -17.639 1646.45299 -67.1 8.5	-62.6 25.8	21.6/495 0.7	82 -88.3 72.9	36.0 38.6 36.3	119,99343 6- 7
9 -9.377 -13.133 1724.66589 -70.9 9.8	-81.6 24.8 -82.3 22.0	28 10026 0 3	36 -86.2 70.3 54 -95 9 77 7	38.0 33.5 32.0	87.57492 7- 8
10 -9.169 -7.724 1637.51852 -73.7 11.0	-83.0 19.4	29.85180 0.6	46 -85.4 80.0	30-5 50-0 40-2	134.76211 8- 9 161.81992 9-10
11 -12.986 -6.425 1885.88461 -66.5 14.3	-86.4 24.4	30.72711 0.6	00 -91.0 81.5	30.4 53.2 50.6	121.88226 10-11
12 -17.588	-91.6 29.8	32.03283 0.5	28 -97.1 83.8	30.7 58.3 52.0	152.28243 11-12
13 -17.208 -10.834 1828.03937 -55.2 16.1 14 -16.989 -15.988 1733.86127 -49.6 13.6	-87.5 32.6	29.76962 0.6	53 -96.4 77.5	34.4 49.3 41.2	121.88226 10-11 152.28243 11-12 188.46769 12-13
15 -12.977 -16.971 1679.00099 -57.9 10.7					
	-81.8 24.8	26.77971 0.8	38 -86.2 70.3	38.0 33.5 32.0	124.87378 14-15 105.08183 15-16

	NA VII CAMERA				
	TAB NO	64	ATLAS PHOTO NO	64	POD SEQUENCE NO 131
JULY 31,1964 13 HR 14 MIN 7 SEC 435 MS	IAB NO	64	AILAS PHOTO NO	04	POD SEQUENCE NO 131
3001 3111704 15 IN 14 1 IN 1 320 135 IIS					
TRAJECTORY DATA	SEC TO IMPACT	ALT	LAT LCN	R	y PTH AZ
PHOTO DATA	701.365	1493.41037	-4.591 -33.200	3228.866 2	2.056 -72.820 116.699
PT LAT LON RANGE AZS/C AZN	AZSUN AZA	Δ+	B/A AZPHAZ INCD	PHAZ EMIS AL	LPHA SCALE PT-PT
2 -12.951 -12.249 1751.90182 -62.8 12.5	-84.4 27.2	28.60979	0.714 -90.9 75.8	34.2 44.4 4	40.8 0. 1-2
3 -11.091 -15.143 1685.88681 -65.0 10.3	-82.8 25.9	27.50214	0.782 -88.3 72.9		36.3 102.60614 2- 3
4 -10.981 -10.151 1/81.94003 -68.7 11.7	-83.8 23.1	29.06019			45.1 148.43117 3- 4 45.9 129.34102 4- 5
5 -15.044 -8.801 1838.39761 -61.1 15.2	-87.1 28.4 -84.8 31.3	29.98960	0.633 -93.8 79.3	32.4 50.8 4 36.1 42.8	
6 -14.916 -14.187 1732.23494 -56.5 13.1 7 -11.091 -15.143 1685.88661 -65.0 10.3	-84.8 31.3 -82.8 25.9	27 50214			36.3 119.24224 6- 7
8 -9.586 -17.632 1636.13988 -67.1 8.6	-81.8 24.8	26.61197	0.837 -86.2 70.3		32.0 87.04586 7-8
9 -9.393 -13.153 1713.87477 -70.9 9.8	-82.3 22.1	27.92445	0.754 -85.8 74.7	34.3 41.2	40.2 133.92480 R- 9
10 -9.187 -7.780 1825.90724 -73:7 11.0	82.9 19.4	29.00321	U.646 -85.4 80.0		49.3 160.72448 9-10
11 -12.980 -6.491 1873.94766 -66.5 14.3	-86.4 24.4	30.53262			50.5 121.10333 10-11 51.9 151.20500 11-12
12 -17.551 -4.411 1957.61156 -59.5 18.7	-91.5 29.8	31.82693			41.2 187.06238 12-13
13 -17.175 -10.870 1816.55103 -55.2 16.1 14 -16.958 -15.990 1/22.99734 -49.7 13.6	-87.5 32.6 -85.1 35.6	29.58255 27.97997			32.0 148.39528 13-14
14 -16.958 -15.990 1/22.99734 -49.7 13.6 15 -12.971 -16.967 1668.51138 -57.9 10.7	-83.1 30.0	27.18607			32.2 124.07844 14-15
16 -9.586 -17.632 1636.13988 -67.1 8.6	-81.8 24.8	26.61197		38.0 33.5	32.0 104.43278 15-16
10 /100					
	TAB NO	65	ATLAS PHOTO NO	65	POD SEQUENCE NO 133
JULY 31,1964 13 HR 14 MIN 12 SEC 555 MS					
	SEC TO IMPACT	AL T	LAT LCN	R	V PTH AZ
TRAJECTORY DATA	696.245		-4.616 -33.150		2.058 -72.783 116.693
PHOTO DATA	0,51213				
PT LAT LON RANGE AZS/C AZN	AZ SUN AZ A	Δ.	B/A AZPHAZ INCD	PHAZ EMIS A	LPHA SCALE PT-PT
PT LAT LCN RANGE AZS/C AZN 2 -12.946 -12.274 1740.86983 -62.8 12.5	-84.4 27.2	28.42963	0.715 -90.9 75.8	34.1 44.4	40.8 0. 1-2
3 +11.097 -15.151 1675.27542 -65.0 10.3	-82.8 25.9	27.32903			36.3 101.95676 2-3 45.0 147.46591 3-4
4 -10.988 -10.191 1770.67877 -68.7 11.7	-83.8 23.1	28.87655		32.3 46.7 32.3 50.7	
5 -15.024 -8.851 1826.73813 -61.1 15.2 6 -14.898 -14.201 1721.32748 -56.5 13.1	-87.0 28.4 -84.8 31.3	29.79940 28.07165			36.5 156.57966 5- 6
6 -14.898 -14.201 1721.32748 -56.5 13.1 7 -11.097 -15.151 1675.27542 -65.0 10.3	-82.8 25.9	27.32903	0.782 -88.3 72.9	36.0 38.6	36.3 118.48957 6- 7
8 -9.601 -17.624 1625.81012 -67.1 8.6	-81.8 24.8	26.44396	0.837 -86.2 70.3	38.0 33.5	32.0 86.51529 7-8
9 -9.410 -13.174 1703.06511 -70.9 9.8		27.74833	0.754 -85.8 74.7	34.2 41.2	40.2 133.08545 8- 9
10 -9.205 -7.837 1814.27609 -73.6 11.0	-82.9 19.5	29.47429			49.3 159.62730 9-10
11 -12.974 -6.557 1861.98994 -66.5 14.3		3C.33780		30.4 53.1	
12 -17.515 -4.497 1944.92645 -59.5 18.7	-91.5 29.8	31.62071	0.531 -97.1 83.6	30.7 58.1	41.1 185.65676 12-13
13 -17.143 -10.907 1805.04234 -55.2 16.1 14 -16.926 -15.993 1/12.11510 -49.7 13.6	-87.5 32.6 -85.1 35.5	29.39515 27.80327		38.1 42.0	32.0 147.43414 13-14
14 -16.926 -15.993 1/12.11510 -49.7 13.6 15 -12.966 -16.963 1658.00417 -56.0 10.7		27.01487			32.3 123.28182 14-15
16 -9.601 -17.624 1625.81012 -67.1 8.6		26.44396			32.0 103.78229 15-16
10 71001 11001 100101010					
	TAB NO	66	ATLAS PHOTO NO	66	POD SEQUENCE NO 135
JULY 31,1964 13 HR 14 MIN 17 SEC 675 MS					
TO A AFC TODAY DATA	SEC TO IMPACT	ALT	LAT LON	R	V PTH AZ
TRAJECTORY DATA	691.125	1473-2824	1 -4.641 -33.100		2.060 -72.746 116.686
PHOTO DATA	071112				
PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A •	B/A AZPHAZ INCO	PHAZ EMIS A	ALPHA SCALE PT-PT
2 -12.940 -12.305 1729.74060 -62.8 12.5		28.24788		34.1 44.4	40.8 _Q. 1-2
3 -11.103 -15.162 1664.58374 -65.0 10.3		27.15462			36.3 101.29334 2-3
4 -10.994 -10.236 1759.30797 -68.7 11.7		28.69112			45.0 146.47702 3- 4 45.8 127.65534 4- 5
5 -15.005 -8.906 1814.95784 -61.1 15.2		29.60723			45.8 127.65534 4- 5 36.5 155.50036 5- 6
6 -14.880 -14.218 1710.33307 -56.5 13.1 7 -11.103 -15.162 1664.58374 -65.0 10.3		27.89236 27.15462		36.0 38.6	36.3 117.72923 6- 7
7 -11.103 -15.162 1664.58374 -65.0 10.3 8 -9.617 -17.621 1615.41290 -67.0 8.6		26.27485		38.0 33.5	32.0 85.97484 7-8
9 -9.427 -13.198 1692.16481 -70.8 9.8		27.57074		7 34.2 41.2	40.2 132.22846 8- 9
10 -9.223 -7.899 1802.51964 -73.6 11.0		29.28335	0.647 -85.4 79.9	30.5 49.8	49.2 158.50094 9-10
11 -12.968 -6.629 1849.89529 -66.5 14.3		3C.14074	0.603 -91.0 81.3	30.4 53.0	50.4 119.53039 10-11
12 -17.477 -4.590 1932.08421 -59.5 18.7		31.41193		5 30.7 58.0	
13 -17.109 -10.948 1793.42572 -55.2 16.0		29.20600			41.1 184.20860 12-13 32.0 146.44953 13-14
	-85.1 35.5	27.62532	0.747 -95.9 72.0	5 38.1 42.0	
14 -16.895 -15.999 1701.15472 -49.7 13.6				3 7 9 36 9	12.3 122.47796 14-15
14 -16.895 -15.999 1701.15472 -49.7 13.6 15 -12.960 -16.963 1647.42528 -58.0 10.7 16 -9.617 -17.621 1515.41290 -67.0 8.6	-83.1 30.0	26.84250	0.801 -90.8 71.	3 37.9 36.9 3 38.0 33.5	32.3 122.47796 14-15 32.0 103.12663 15-16

RA-VII CAMERA FB

RA-VII	CAMERA	FR

JULY 31,1964 13 HR	14 M1N 22	555 <b>70% N</b> S		TAB NO	67	ATLAS	PHOTO NO	67	POD S	EQUENCE NO	137
TRAJECTORY DATA	14 1410 22	JEC 174 R3			_					-	
				IMPACT	ALT 1463.2044	LAT 4 -4.666	LON 5 -33.050	R 3198-660	V 2-063	PTH -72.709 11	AZ
PHOTO DATA PT LAT LON	RANGE	12010								-12.709 1	10.000
PT LAT LON 2 -12.934 -12.337	1718.56837		N AZ SUN		A*	B/A AZ		PHAZ EPIS		SCALE	PT-PT
	1653.85507				28.06543 26.97960				40.8	0.	1- 2
4 -11.001 -10.282	1747.89034	-68.7 11			28.50493			36.0 38.6 32.3 46.7	36.3 45.0	100.62473	2- 3
5 -14.985 -8.963	1803.12701	-61.1 15	2 -87.0		29.41424			32.3 50.6	45.7	126.80234	3- 4 4- 5
6 -14.861 -14.238	1699.29907	-56.5 13			27.71242	0.735 -	93.5 74.1	36.1 42.7	36.4	154.41158	5- 6
7 -11.109 -15.175 8 -9.633 -17.618	1653.85507 1604.98357	-64.9 10			26.97960		86.3 72.8	36.0 38.6	36.3	116.96582	6- 7
9 -9-444 -13-224	1681.22420		6 -81.8 8 -82.3		26.10522			37.9 33.5	32.0	85.43033	7- 8
	1790.71194	-73.5 11			27.39250			34-2 41-2		131.36479	8- 9
11 -12.961 -6.703	1837.74548	-66.5 14			29.94279			30.5 49.8 30.4 53.0	49.2 50.3		9-10
12 -17.440 -4.685	1919.18181	-59.5 18			31.20218			30.7 57.9		118.73372 147.92797	
	1781.76253	-55.2 16			29.01669	C.655 -		34.4 49.2	41.0	182.74818	
	1690.15788				27.44677		95.9 72.6	38.1 42.0	32.0	145.45648	
	1636.81229	-58.0 10 -67.0 8			26.66958		90.8 71.3	37.9 36.9	32.3	121.67094	
10 7.033 -17.010	1004.46557	-67.0 8	6 -81.8	24.9	26.10522	C.837 -	86.2 70.3	37.9 33.5	32.0	102.46844	15-16
				TAB NO	68	ATI AS	PHOTO NO	68	DOD 6	EQUENCE NO	120
JULY 31,1964 13 HR	14 MIN 27	SEC 914 MS			35	AIDIO	111010 110	00	FOD 3	EQUENCE IN	1 139
TRAJECTORY DATA			SEC TO	IMPACT.	ALT	LAT	LGN				
				-885			-33.000	R 2100 572	V 2 04 5	PTH -72.672 11	AZ
PHOTO DATA				,	1.3341107		33.000	3100.312	2.003	-12.012 11	0.013
PT LAT LON	RANGE		N AZŞUN		Α.	B/A AZ	PHAZ INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
	1707.37747		5 -84.4		27.88268	0.715 -	90.9 75.7	34.1 44.3	40.7	0.	1- 2
3 -11.115 -15.188 4 -11.008 -10.329	1643.10887 1736.45416				26.80430			36.0 38.6	36.3	99.95468	
5 -14.966 -9.021	1791.27707	-68.6 11. -61.1 15.			28.31844			32.3 46.6		144.48086	
	1688.24667	-56.5 13.			27.53219			32.3 50.6 36.1 42.7		125.94799	
7 -11.115 -15.188	1643.10887	-64.9 10.			26.80430			36.0 38.6	36.4 36.3	153.32145	5- 6 6- 7
8 -9.648 -17.616	1594.53789	-67.0 8.			25.93532	0.837 -		37.9 33.5	32.0	84.88455	7- 8
	1670.26599	~70.8 9.			27.21397	0.754 -		34.2 41.1		130.49953	8- 9
10 -9.259 -8.027 11 -12.954 -6.777	1778.88641 1825.57716	-73.5 11.			28.89951			30.5 49.7		156.22799	9-10
	1906.26277	-66.4 14. -59.5 18.			29.74453			30.4 52.9		117.93560	
	1770.08041	-55.2 16.			30.99216 28.82588			30.7 57.8		146.82584	
	1679.14319	-49.8 13.			27.26794	0.036 -	96.5 77.3	38.1 41.9		181.28901	
15 -12.948 -16.965	1626.18207	-58.0 10.			26.49638	0.801 -	90.8 71.3	37.9 37.0		144.46185	
16 -9.648 -17.616	1594.53789	-67.0 8	6 -81.8	24.9	25.93532			37-9 33-5		101.80901	
				TAB NO.							
JULY 31,1964 13 HR	14 MIN 33	SEC 34 MS		TAB NO	69	ATLAS	PHOTO NO	69	POD SI	EQUENCE NO	141
		3.,.5									
TRAJECTORY DATA				I MPACT	ALT	LAT	LGN	R	٧	PTH	AZ
PHOTO DATA			675	.765	1443.0201	4 -4.717	-32.949		2.067	-72.634 11	6.667
PT LAT LCN	RANGE	AZS/C AZ	N AZSUN	AZA	•	244 :-					
	1696.12700	-62.8 12.			A* 27.69895	B/A AZ	PHAZ INCD			SCALE	PT-PT
	1632.31229	-64.9 10.			26.62818			34.1 44.3	36.3	99.27690	1-2
4 -11.014 -10.378	1724.95219	-68.6 11.			28.13088			32.3 46.6		143.46923	2- 3 3- 4
	1779.35541	-61.1 15.			29.02646			32.3 50.5		125.08722	4-5
6 -14.824 -14.279	1677.14018	-56.5 13.			27.351C7		93.5 74.0	36.1 42.7		152.21653	5- 6
	1632.31229	-64.9 10.			26.62818			36.0 38.6	36.3	115.43165	6- 7
- 7000 - 110010 .	1584.04910 1659.25201	-67.0 8. -70.7 9.			25.76473			37.9 33.6	32.1	84.33299	7- 8
, , , 411 -13.200 .		-73.5 11.			27.03454		85.8 74.6 85.4 79.7	34-2 41-1		129.62430	8- 9
11 -12.948 -6.854	1813.32930	-66.4 14.			29.54498			30.5 49.7 30.4 52.8		155.07582	9-10
12 -17.364 -4.878		-59.5 18.			30.78069			30.4 52.8		117.13097	
13 -17.009 -11.081	1758.33318	-55.2 16.	0 -87.4		28.63461			34.4 49.1		179.80906	
	1668-07918	-49.8 13			27,08830	0.747 -	95.9 72.6	38-1 41-9		143.45443	
		-58.0 10.			26.32243	0.801 -	90.8 71.3	37.9 37.0	32.3	120-04996	14-15
10 -9.004 -17.616	1584.04910	-67.0 8.	6 -81.7	24.9	25.76473	0.837 ~	86.2 70.3	37.9 33.6	32.1	101.14627	15-16

					KA-VII	LAMEKA	FC					•
JULY 31,19	54 13 HR	14 MIN 38	SEC 154	MS		TAB NO	70	ATLAS	S PHOTO NO	70	POD S	EQUENCE NO 143
TRAJECTOR	ATAG Y				SEC TO 670.	IMPACT 645	ALT 1432.91370	LAT -4.74	LCN 12 -32.897	R 3168.369	V 2.070	PTH AZ -72.596 116.660
PHOTO DAT	4	RANGE	A75/C	AZN	AZSUN	AZA		H/A A	7PHA7 INC.	PHAZ EMIS	ALPHA	SCALE PT-PT
PT LAT	_12 430	1684.84987	-62.8	12.5	-84.4	27.2	27.51479			34.1 44.3		0. 1- 2
3 -11-127	-15.220	1621.49164	-64.9	10.3	-B2.7	26.0	26.45166	0.782	-88.3 72.	36.0 38.6	36.2	98.59656 2-3
4 -11.021	-10.429	1713.42247	-68.6	11.8	-83.7	23.3	27.94286	0.689		32.3 46.5	44.8	142.45399 3-4
5 -14.926	-9.142	1767.40456	-01.1	15.1		28.5	28.83151	0.637	-93.8 79.		45.6	124.22401 4- 5 151.10790 5- 6
6 -14.806	-14.302	1666.00815	-56.5	13.0	-84.B	31.2	27.16954	0.736	-93.5 /4.	36.0 42.7 36.0 38.6	36.4	114.66023 6- 7
7 -11-127	-15.220	1621.49164	-64.9 -66.9	10.3	-82.7	26.0	26.45166 25.59378		-86.2 70.	3 37.9 33.6		83.77919 7-8
8 -9.680	-17.616	1573.53860 1648.21288					26.85470	0 766	-85.8 74-	4 34 2 41 1	40 - 1	12R.74581 8- 9
10 -9.295	-13.309	1755.05980	-/3-4	11.0	-H2.R	19.7	28.51255	0.650	-85.4 79.	4 30.5 49.6	49.0	153.92017 9-10
11 -12.941	-6.102	1801.05127	-66.4	14.2	-86.2	24.6	29.34494					
12 -17.326	-4.977	1880.21722	-59.5	18.5	-91.2	29.8	30.56874	0.537	-97.1 83.	1 30.6 57.7	51.3	144.60112 11-12
13 -16.975	-11.128	1746.55801	-55.3	15.9	-87.4	32.5	28.44289	0.657	-96.5 77.	2 34.4 49.0	40.9	178.32665 12-13 142.44332 13-14
14 -16.768	-16.037	1656.99103	-49.9		-85.1	35.4	26.90828			6 38.1 41.9 3 37.8 37.0		119.23553 14-15
15 -12.937	-16.973	1604.80711			-83.1	30.0 25.0	26.14810	0.801		3 37.9 33.6		100.48178 15-16
16 -9.680	-17.616	1573.53860	-86.9	8.6	-81.7	25.0	23.34376	0.036	-00.2 10.			
						TAB NO	71	ATLA	S PHOTO NO	71	POD S	EQUENCE NO 145
JULY 31,19	64 13 HI	R 14 MIN 43	SEC 274	MS					-			
0001 31711	• • • • • • • • • • • • • • • • • • • •									R	.,	PTH AZ
TRAJECTOR	Y DATA				SEC TO	IMPACT	ALT	LAT	LON	2159 25	3 2-072	-72.558 116.654
					665	. 525	1422.79791	-4.1	68 -32.040	3130.23	2.012	124330 110111
PHOTO DAT	A LON	RANGE	A/5/f	47 N	A/ SUN	AZA	A+	B/A	AZPHAZ INC	D PHAZ EMIS	ALPHA	SCALE PT-PT
2 -12 010	=12.475	1673.55511	-62.8	12.5	-84.4							0. 1-2
3 -11.133	-15.236	1610.65428	-64.9	10.3	-82.7	26.0	26.27487	0.782	-88.3 72.	8 36.0 38.6	36.2	97.91494 2- 3
4 -11.02/	-10.479	1701.87549	-68.5	11.8	-83.7	22 3	27 75454	28A - 0	-8H-1 77.	4 32.2 46.5	44.8	141.43754 3- 4 123.35975 4- 5
5 -14.905	-9.203	1755.43608	-61.0	15.1	-86.9	28.5	28.63627	0.638	-93.8 78.	9 32.3 50.4	47.7	149 99841 5- 6
6 -14.787	-14.325	1654.85869	-56.5		-84.8	31.2	26.98772	0.736	-93.5 74.	0 36.0 42.7	36.2	149.99841 5- 6 113.88749 6- 7 83.22446 7- 8
7 -11-133	-15.236	1610.65428	-64.9	10.3	-82.7	25.0	25.42257	0.836	-86-2 70	3 37.9 33.6	32.1	83.22446 7- 8
0 0 511	12 220	1447 16704	-70 4	0 0	-R2.2	22.3	26.67458	0.755	-85.8 /4.	5 34.2 41.1	40.1	121.00370 0. 3
10 -9.313	-H-231	1743.11592	-73.4	11.1	-82.8	19.8	28.31857	0.651	-85-4 79	6 30.5 49.6	48.9	152.76405 9-10
11 -12.934	-7.011	1788.75664	-66.4	14.2	-80.2	44.0	29.14463	0.607	-91.0 80	9 30.4 52.7	50.0	115.51626 10-11
12 -17.288	-5.076	1867.16510	-59.5	18.4		29.8	30.35656	0.539	-97.1 83	0 30.6 57.6	51.2	143.48880 11-12 176.84637 12-13
13 -16.941	-11.175	1734.76515	-55.3	15.9	-87.4	32.5	28.25067	0.658	-96 <u>-5 [7</u>	2 34.3 49.0 5 38.1 41.9	32.0	141.43100 13-14
14 -16.736	-16.049	1645.88580	-49.9	13.5	-85.1		26.72798	0.748	-95.9 71	2 37.8 37.0	32.3	118.41971 14-15
15 -12.930	-16.977	1594-09157	-58.0	10.7	-83.1 -81.7	36.0	25.42257	0.001	-86.2 70	3 37.9 33.6	32.1	99.81627 15-16
16 -9.695	-17.616	1563.01236	-66.9	0.7				0.030	3012 10			
						TAB NO	72	ATLA	AS PHOTO NO	72	POD :	SEQUENCE NO 147
JULY 31,19	164 13 H	R 14 MIN 48	SEC 394	MS .								
					*0	140457	AL T	LAT	LCN	R	v	PIH AZ
TRAJECTO	RY DATA				5EC 10	405	1412.6723	9 -4.7	194 -32.79	3148.12		-72.520 116.647
PHOTO DA	r A				600	• 402	1412.0723					
	1.01	RANGE	AZS/C	-AZN	AZ SUN	AZA	A •	B/A	AZPHAZ IN	D PHAZ EMIS	ALPHA	SCALE PT-PT
2 -12,904	-12.511	1662,24225	-62.8	12.4	-84.4	27.2	27.14559	0.717	-90.9 75	6 34-1 44-2	40.6	0. 1-2
3 -11.139	-15.255	1 1 2 4 4 • 1 4 4 2 4	-04.0	10.0	-62.1	20.0			-88.3 72	8 36.0 38.6	36.2	97.23236 2- 3
4 -11.033	-10.530	1690.31065	-68.5	11.8	-83.7	23.4	27.56597	0.690	-88.1 77	4 32.2 46.	45.6	140.41993 3- 4 122.49454 4- 5
5 -14.885	-9.265	1743.44952	-61.0	15.1	-86.9	28.5	28.44074	0.638	-93.8 78	0 36.0 42.0	36.4	148.88805 5- 6
6 -14.768	-14.348	1643.69121	-56.6	13.0	-84.8		26.80561	0.782	-93.3 14 -88.3 72	8 36.0 38.0	36.2	113.11354 6- 7
7 -11.139	-15-253	1599.79959	-64.8	10.3	-82.7	25.0	25.25111	0.836	-86.2 70	.3 37.9 33.0		82.66829 7-8
8 -9.710	-13 360	1552.46996 1626.08392	-70-6	9.9	-82.2	22.4	26.49418	0.755	-85.8 74	.5 34.2 41.	1 40.1	126.98455 8- 9
10 -9.331	-R. 200	1731.15521	-73.3	11.1	-82.8	19.8	28.12432	0.652	-85.4 79	.5 30.5 49.	5 48.9	151.60763 9-10
11 -12-927	-7.089	1776.44482	-66.4	14.2	-86.2	24.6	28 04463	804.0	-91-0 80	. 9 30.4 52.1	6 49.9	114.70731 10-11
12 -17.250	-5.176	1854.09801	9.5	18.4	-91.0	29.8	30.14413	0.540	-97.1 82	.9 30.6 57.	5 51-1	142.37691 11-12
13 -16.906	-11.222	1722.95406	-55.3	15.9	-87.4	32.5						
14 -16.703	-16.061	1634.76295	-49.9	13.5	-85.1	35.3	26.54739	0.748	-95.9 72	2 37 0 37	7 11.Y	140.41745 13-14
15 -12.924	-16.982	1583.35893	-56.0	10.7		30.0	25.79864	0.834	-90.0 /I	. 3 37.9 33.	6 32.1	117.60269 14-15 99.14942 15-16
16 -9.710	-17.617	1 1552.46996	-00.9		-01.	25.0	23.23111	0.030	00.2			

		-							
JULY 31,1964 13 HR 14 MIN 53 S	EC E14 MC		TAB NO	73	ATLAS	S PHOTO NO	73	POD :	SEQUENCE NO 14
TRAJECTURY DATA		SEC TO	LMPACT	ALT	LAT		R	v	
B						0 -32.742			PTH AZ -72.481 116.64
PHOTO DATA PT LAT LON RANGE									
2 -12.897 -12.547 1650.91107	AZS/C AZN	AZSUN		Α	B/A A	ZPHAZ INCD	PHAZ EMIS	ALPHA	SCALE PT-P
3 -11.145 -15.269 1500 02751	-64 4 10 3	-84.4	27.3 26.0	26.96054	0.717	-90.9 75.5	34.1 44.2	40.6	0. 1-
3 -11.145 -15.269 1588.92751 4 -11.039 -10.581 1678.72787	-68.5 11.0	-02.1	23.4	27.92044	0.782	-88.3 72.8	36.0 38.6	36.2	96.54848 2-
5 -14.865 -9.326 1731.44466	-61.0 15.0	-86.8	23.4	29 24401	0.690	-88.1 77.3	32.2 46.4	44.7	139.40117 3-
6 -14.749 -14.372 1632.50555	-56-6 13-0	-84.8	31.2	26.62321	0.039	-93.8 78.8	32.3 50.3	45.4	
7 -11-145 -15-269 1588 02751	-66 H 10 3	-82.7	26.0		0.782	-93.5 73.9 -88.3 72.8	36.0 42.6	36.2	147.77678 5-
8 -4.726 -17.618 1541.91122	-66.8 B.7	-81.7	25.0	25.07937	0.836	-86.2 70.3	37 0 33 4	30.2	112.33817 6- 82.11098 7-
9 -9.544 -13.399 1614.99347	-70.6 9.9	-82.2	22.4	26.31350	0.755	-85.8 74.5	34.2 41.1	40.0	126 10173 9-
10 ~9.34K ~8.36H 1719.17746	-72 4 11 1	-82.8	19.9	27.92979	0.653	-85.4 79.4	30.5 49.4	48.8	150.45066 9-1
11 -12.920 -7.168 1764.11559	-66.3 14.2	-86.l	24.6	28.14316	0.609	-91.0 80.8	30.4 52.6	49.9	113.89729 10-1
12 ~17.211 -5.276 1841.01581	-59.5 18.3	-91.0	29.8	29.93146	0.542	-97.2 82.8	30.6 57.4	51.0	141-26564 11-1
13 -16.872 -11.270 1/11.12457	-55.3 15.8	-87.4		27.86595	0.037	-70+2 //+1	24.3 48.4	40.8	174.89202 12-1
14 -16.671 -16.073 1623.62245 15 -12.918 -16.987 1572.60909	-49.9 13.4	-85.1		26.36652	0.748	-95.9 72.5	38.0 41.R	31 0	130 40263 13-1
16 -9.726 -17.618 1541.91122	-58.0 10.7			25.62348	108.0	-90.8 71.2	37.8 37.0	32.3	116.78466 14-1
.0 3.725 -17.616 1341.41122	-66.8 8.7	-81.7	25.0	25.07937	0.836	-86.2 70.3	37.9 33.6	32.1	98.48126 15-1
JULY 31,1964 13 HK 14 MIN 58 S	EC 634 MS		TAB NO	74	ATLAS	PHOTO NO	74	POD S	EQUENCE NO 15
TRAJECTORY DATA		SEC TO	INDACT	AL T	LAT				
			. 16n	13G2 3G2A	LAI	LON	R	. v	PTH AZ -72.442 116.634
PHOTO DATA				1372.3724	C -4.04	7 ~32.689	3127.848	2.079	-72.442 116.63
PT LAT LON RANGE	AZS/C AZN	AZ SUN	AZA	Δ.	B/A A	ZPHAZ INCD	DUA 7 . F. M. F.		
2 -12.891 -12.584 1639.56212	-62.7 12.4	-84.3	27.3		0-718	-90.9 75.5	PHAZ EPIS	ALPHA_	
3 -11.150 -15.286 1578.03847	-64.8 10.3	-82.7	26.0	25.74281	0.782	-88.3 72.7	34.1 44.1	34.3	0. 1- 1 95.86349 2- 1
4 -11.046 -10.632 1667.12759	-68.5 11.8	-83.6	23.4	27.18793	0.691	-88-1 77.3	32.7 46 4	44 7	138.38122 3-
5 -14.844 -9.389 1719.42212	-61-0 15-0	-86-8	28.5	28.04879	0.640	-93.8 78.8	32.3 50.3	45.3	120 76030 4-1
6 -14.729 -14.395 1621.30223	-56.6 13.0	-84.8	31.2	26.44051	0.737	-91.5 71.9	36.0 42.4	34 3	164 44677 6
7 -11.150 -15.286 1578.03847	-64.8 10.3	-62.7	26.0	25.74281	0.782	-88.3 72.7	36.0 38.6	36.2	111 56148 4-
8 -9.741 -17.619 1531.33655	90.0	-61.	23.1	24.90138	U.836 .	-86.2 /0.3	37.9 33.6	32.1	81.55255 7- 8
9 -9.560 -13.430 1603.88606 0 -9.366 -8.437 1707.18330	-70.5 9.9	-82.2	22.4	26.13254	0.756	-85.8 74.5	34-2 41-0	40.0	125.21743 8- 9
.0 -9.366 -8.437 1707.18330 - 1 -12.913 -7.247 1751.76964	-/3.3 11.1	-82.8	19.9	27.73499	0.653	-85.4 79.4		48.8	149.29343 9-10
2 -17 172 -5 374 1977 01970				28.54201	0.610	-91.0 80.7		49.8	113.08622 10-13
13 -16.837 -11.318 1699.27731	-59.5 18.5	-90.9	29.8	29.71855 27.673C5 26.18537	0.543	-97.2 82.7	30.6 57.3	50.9	140.15517 11-12
4 -16.638 -16.085 1612.46466	-50 0 13 6	-85.1	32.4	27.67305	0.660	-96.5 77.1	34.3 48.8	40.7	172-41804 12-1
15 -12.911 -16.992 1561.84242	-58-0 10-7	-83.1	30.0	26 44904	0.748 -	-95.9 72.5	38.0 41.8	31.9	138.38649 13-14
6 -9.741 -17.619 1531.33655		-81.7		25.448C6 24.90738	0.801 -	-90.8 71.2	37.8 36.9	32.3	115.96528 14-19
		01.	23.1	24.90738	0.030	-86.2 /0.3	37.9 33.6	32.1	97.81205 15-16
IULY 31,1964 13 HR 15 MIN 3 S	EC_754 MS		TAB NO	75	ATLAS	PHOTO NO	75	POD S	EQUENCE NO 153
TRAJECTORY DATA				ALT	LAT	LCN			
		645.	046	1382.23776	-4-67	3 -32-636	R 3117, 693	V 2 082	PTH AZ -72.403 116.627
PHOTO DATA							312.1075		12.403 110.021
T LAT LON RANGE	AZS/C AZN	AZ SUN	AZA	A =	B/A AZ	ZPHAZ INCD	PHAZ EMIS	AL PHA	SCALE PT-PT
2 -12.884 -12.621 1628.19455	-62.7 12.4	-84.3	27.3	26.58956	6 710 -	-00 0 76 6	34 1 44 1		0. 1- 2
3 -11.156 -15.304 1567.13161 - 4 -11.052 -10.684 1655.50899 -	-64.8 10.3	-82.7	26.1	47.70468	U . / B 3 -	-88.5 12.7	36.0 38.6	36 2	95 17724 2- 2
+ -11.052 -10.684 1655.50899 -	-68.4 11.8	-83.6	23.5	20.99846	0.691 -	-88.1 77.2	32.2 46.3	44.6	137.36006 3- 4
D -14.823 -9.451 1707.38091 -	-61.0 15.0	-66-B	24.5						
6 -14.710 -14.419 1610.08035 -	-56.6 13.0	-84.8	31.2	20.20171	0.131 -	-93.5 73.9	36.0 42.6	36.3	145.55188 5- 4
7 -11.156 -15.304 1567.13161 - 8 -9.756 -17.621 1520.74518	-64.8 10.3	-82.7	26.1	27+30400	U . 183 -	-88.3 (2.7	36.0 38.6	36.2	110.78347 6- 7
9 -9.576 -13.461 1592.76089		-81.7	25.1	24.73511	0.836 -	-86.2 70.3	37.9 33.6	32.1	80.99281 7-8
0 -9.384 -8.506 1695.17178	-rusp 9.9	-82.2	22.5	25.95130	0.756 -	85.8 74.4	34.2 41.0		124.33159 8- 9
1 -12.905 -7.327 1739.40596 -	-13.2 11.1	-82.7	20.0	27.53991	0.654 -	85.4 79.3	30.5 49.3	48.7	148.13577 9-10
2 -17.134 -5.476 1814.80727	-50 5 14 T	-00.1	24.1	20.34057	0.611 -	91.0 80.6	30.3 52.4	40 7	112 27400 10 11
3 -16.802 -11.367 1687.41129 -	-55.3 15.A	-87.3	27.6	29.50539	0.544 -	-9/•2 82•7	30.6 57.2	50.8	139.04510 11-12
4 -16.605 -16.097 1601.28871 -	-50-0 13-6	-87.3	36.9	21.4/984	C.661 -	-96.5 77.0	34-3 48-8	40 7	170 06411 12-12
5 -12.905 -16.998 1551.05817 -	-58-0 10 7	-83.1	30.0	25 27224	0.749 -	72.5	38.C. 41.8.	31.9	137.36916 13-14
6 -9.756 -17.621 1520.74518	-66.8 8.7		25.1	27.21234	C.BOI -	-90.8 /1.2	37.8 36.9	32.3	115.14456 14-15
	00.0	-01.1	63.1	24.13311	0.036 -	86.2 70.3	31.9 33.6	32.1	97.14151 15-16

RA-VII CAMERA ER

		TAB NO	76	ATLAS PHOTO NO	76 POD 5	SEQUENCE NO 155
JULY 31,1964 13 HR 15 MIN 8 S	EC 874 MS					
TRAJECTORY DATA		SEC TO IMPACT 639.926	ALT 1372.07339	LAT LON -4.900 -32.583	R V 3107.529 2.084	PTH AZ -72.364 116.620
PHOTO DATA PT LAT LON RANGE	AZS/C AZN	AZSUN AZA	Α•	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
PT LAT LON RANGE 2 -12.877 -12.658 1616.60862		-84.3 27.3	26.40362		34.1 44.1 40.5	0. 1- 2
3 -11.161 -15.321 1556.20729	-64.8 10.3	-82.7 26.1	25.38668	0.783 -88.3 72.7	36.0 38.6 36.2	94.49005 2- 3
4 -11.057 -10.736 1643.87238	-68.4 11.8	-83.6 23.5	26.80870		32.2 46.3 44.6	136.33779 3- 4 119.02159 4- 5
	-61.0 15.0	-86.8 28.5	27.65565		32.3 50.1 45.2 36.0 42.5 36.3	144.43815 5- 6
6 -14.691 -14.444 1598.84027 7 -11.161 -15.321 1556.20729	-56.6 12.9 -64.8 10.3	-84.8 31.2 -82.7 26.1	26.07422		36.0 38.6 36.2	110.00415 6- 7
	-66.7 8.7	-81.7 25.1	24.56258		37.9 33.6 32.1	80.43192 7-8
	-70.5 9.9	-82.2 22.5	25.76977	0.756 -85.8 /4.4	34.2 41.0 40.0	123.44432 8- 9
	-73.2 11.1	-82.7 20.0	27.34456		30.5 49.3 48.6	146.97763 9-10
11 -12.898 -7.407 1727.02490	-66.3 14.1	-86.0 24.7	28.13885	0.612 -91.0 80.6	30.3 52.3 49.6 30.6 57.1 50.7	111.46081 10-11 137.93575 11-12
12 -17.095 -5.576 1801.68022	-59.5 18.2	-90.8 29.8	29.29199		30.6 57.1 50.7 34.3 48.7 40.6	169.47629 12-13
13 -16.767 -11.415 1675.52687	-55.3 15.7 -50.0 13.4	-87.3 32.4 -85.1 35.2	27.28634		38.0 41.8 31.9	136.35055 13-14
	-58.0 10.7	-83.1 30.0	25.09635		37.8 36.9 32.3	114.32269 14-15
16 -9.771 -17.623 1510.13737		-81.7 25.1	24.56258			96.46984 15-16
10 70111 111015 171015.01						
JULY 31,1964 13 HR 15 MIN 13	SEC 993 MS	TAB NO	77	ATLAS PHOTO NO	77 POD	SEQUENCE NO 157
				LAT LON	R V	PTH AZ
TRAJECTORY DATA		SEC TO IMPACT 634.806	ALT 1361.8990			-72.325 116.613
PHOTO DATA PT LAT LON RANGE	AZS/C AZN	AZSUN AZA	A *	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
PT LAT LON RANGE	-62.7 12.4	-84.3 27.3	26.21738	0.719 -90.9 75.4	34.1 44.1 40.5	0. 1- 2
3 -11.166 -15.339 1545.26514	-64.7 10.3	-82.7 26.1	25.20818	0.783 -88.3 72.7	36.0 38.6 36.2	93.80151 2- 3
4 -11.063 -10.788 1632.21742	-68.4 11.8	-83.6 23.5	26.61864			135.31426 3- 4
5 -14.781 -9.577 1683.24330	-61.0 14.9	-86.7 28.5			32.3 50.1 45.1	118.15048 4- 5 143.32349 5- 6
	-56.6 12.9	-84.8 31.1	25.89062		36.0 42.5 36.3 36.0 38.6 36.2	109,22331 6- 7
7 -11.166 -15.339 1545.26514	64.7 10.3	-82.7 26.1 -81.7 25.2	25.20818		37.9 33.6 32.1	79.86979 7- 8
8 -9.786 -17.625 1499.51288 9 -9.609 -13.524 1570.45790	-66.7 8.7 -70.4 9.9	-82.1 22.6	25.58795		34.2 41.0 39.9	122.55544 8- 9
	-73.1 11.1	-82.7 20.1	27.14892	0.656 -85.4 79.2	30.5 49.2 48.6	145.81918 9-10
11 -12.890 -7.487 1/14.62613	-66.3 14.1	-86.0 24.7	27.93684	C.613 -91.0 80.5	30.3 52.3 49.6	110.64645 10-11
12 -17.055 -5.677 1788.53766	-59.5 18.1	-90.7 29.7	29.07833	C.547 -97.2 82.5	30.6 57.0 50.6	136.82679 11-12
13 -16.732 -11.464 1663.62367	-55.3 15.7	-87.3 32.4	27.09253	0.662 -96.5 76.9	34.3 48.7 40.6	168.00849 12-13 135.33068 13-14
	-50.1 13.4	-85.1 35.1	25.64015 24.92006		38.0 41.7 31.9 2 37.8 36.9 32.3	113.49960 14-15
15 -12.891 -17.009 1529.43739	-58.0 10.7 -66.7 8.7	-83.1 30.0 -81.7 25.2	24.38978		37.9 33.6 32.1	95.79673 15-16
16 -9.786 -17.625 1499.51288	-00.1 0.1	-01.1 23.2	24.30710	01030 0012 101		
JULY 31.1964 13 HR 15 MIN 19	SEC 113 MS	TAB NO	78	ATLAS PHOTO NO	78 POD	SEQUENCE NO 159
					R V	PTH AZ
TRAJECTORY DATA		SEC TO IMPAC 629.686	T ALT 1351.7148	LAT LCN 1 -4.953 -32.475		9 -72.285 116.606
PHOTO DATA PT LAT LON KANGE	AZS/C AZN	AZSUN AZA	Α.	B/A AZPHAZ INCI	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.863 -12.733 1593.97559		-84.3 27.3	26.03075		4 34.1 44.0 40.4	. 0, 2.
3 -11.171 -15.358 1534.30119		-82.7 26.1	25.02932	0.783 -88.3 72.	7 36.0 38.6 36.1	
4 -11.068 -10.840 1620.53911	-68.3 11.8	-83.6 23.6	26.42820		1 32.2 46.2 44.5	
5 -14.760 -9.641 1671.13972	-61.0 14.9	-86.7 28.5	27.26116		5 32.3 50.0 45.1	
6 -14.651 -14.493 1576.29901	-56.6 12.9	-84.8 31.1	25.70663		8 36.0 42.5 36.2 7 36.0 38.6 36.1	
7 -11.171 -15.358 1534.30119	-64.7 10.3	-82.7 26.1	25.02932		7 36.0 38.6 36.1 3 37.9 33.6 32.1	
8 -9.801 -17.627 1448.86848	-66.7 8.7	-81.7 25.2 -82.1 22.6			3 34.2 41.0 39.9	
9 -9.624 -13.556 1559.27592 10 -9.435 -8.717 1659.02908	-70.4 10.0 -73.1 11.1	-82.7 20.1			1 30.4 49.1 48.5	144.65924 9-10
11 -12.862 -7.567 1702.20291	-66.2 14.1	-86.0 24.8		C.614 -91.0 80.	4 30.3 52.2 49.5	109.83004 10-11
12 -17.016 -5.778 1775.37007	-59.5 18.1	-90.7 29.7		C.549 -97.2 82.	4 30.6 56.9 50.5	
13 -16.697 -11.514 1651.69463	-55.3 15.7	-87.3 32.4	26.89829		9 34.3 48.6 40.5	
14 -16.505 -16.137 1567.64743	-50.1 13.3	-85.1 35.1	25.45773		4 38.0 41.7 31.9	
15 -12.883 -17.015 1518.59633					2 37.8 36.9 32.3 3 37.9 33.6 32.1	
16 -9.801 -17.627 1488.86848	-66.7 8.7	-81.7 25.2	24.21665	C.836 -86.2 70.	3 37.9 33.6 32.1	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

	RA-VII	CAMERA	A ,F8						27
JULY 31,1964 13 HR 15 MIN 24 SEC 233 MS	1	TAB NO	79	ATLAS	PHOTO NO	79	POD S	EQUENCE NO	161
TRAJECTORY DATA	SEC TO		AL T	LAT	LON	R	v	PTH	ΔZ
PHOTO DATA	624.	566	1341.52066	-4.98	1 -32.421		2.092	-72.245 11	6.599
PT LAT LON RANGE AZS/C AZN	AZSUN	AZA	A=	B/A A	ZPHAZ INCD	PHAZ EMIS	A1 DHA	SCALE	PT-PT
2 -12.855 -12.772 1582.52852 -62.7 12.4	-84.3	27.3	25.84381	0.719		34.1 44.0	40.4	0.	1- 2
3 -11.176 -15.376 1523.31941 -64.7 10.3		26.1	24.85018		-88.3 72.7	35.9 38.5	36.1	92.41919	2- 3
4 -11.074 -10.893 1608.84250 -68.3 11.8 5 -14.738 -9.704 1659.01755 -61.0 14.9		23.6	26.23747		-88.1 77.0	32.2 46.2		133.26192 116.40258	3- 4
5 -14.738 -9.704 1659.01755 -61.0 14.9 6 -14.630 -14.519 1564.99789 -56.6 12.9	-86.7 -84.8	28.5 31.1	27.06343 25.52234			32.3 50.0 36.0 42.5	45.0	116.40258	4- 5
7 -11.176 -15.376 1523.31941 -64.7 10.3		26.1	24.85018		-88.3 72.7	35.9 38.5	36.2	141.08916	6- 7
8 -9.815 -17.629 1478.20731 -66.6 8.7		25.2	24.04325	0.836	-86.2 70.3	37.9 33.7	32.1		7- 8
9 -9.640 -13.588 1548.07614 -70.3 10.0 10 -9.452 -8.787 1646.94357 -73.1 11.1		22.6	25.22331		-85.8 74.3	34.2 40.9	39.9	120.77220	8- 9
10 -9.452 -8.787 1646.94357 -73.1 11.1 11 -12.873 -7.648 1689.76207 -66.2 14.1		20 • 2 24 • 8	26.75663 27.53174		-85.4 79.0	30.4 49.1		143.49895	
12 -16.976 -5.879 1762.18718 -59.5 18.1		29.7	28.64996		-91.0 80.3 -97.2 82.3	30 4 54 9	49.4 50.4	109.01256 134.60660	10-11
13 -16.661 -11.563 1639.74693 -55.4 15.6		32.3	26.70376		-96.5 76.8	34.3 48.6	40.5	165.07457	12-13
14 -16.471 -16.150 1556.39363 -50.1 13.3		35.1	25.27502	0.750	-95.9 72.4	38.0 41.7		133.28476	
15 -12.876 -17.022 1507.73759 -58.0 10.7 16 -9.815 -17.629 1478.20731 -66.6 8.7		30.0	24.56650		-9C.8 71.2	37.8 36.9	32.3	111.84766	14-15
16 -9.815 -17.629 1478.20731 -66.6 8.7	-61.7	25.2	24.04325	0.836	-86.2 70.3	37.9 33.7	32.1	94.44580	15-16
JULY 31,1964 13 HR 15 MIN 29 SEC 353 MS	1	AB NO	80	ATLAS	PHOTO NO	80	POD S	EQUENCE NO	163
TRAJECTORY DATA									
TRAJECTORT DATA	SEC TO 619.		ALT	LAT	LCN 8 -32.366	2044 773	V	PTH	AZ
PHOTO DATA		110	1321.31641	-5.00	0 -32.300	3000.112	2.094	<b>-72.205 11</b>	6.592
PT LAT LON RANGE AZS/C AZN		AZA	A =	B/A A	ZPHAZ INCD	PHAZ EMIS	ALPHA	SCALE	ri-PT
2 -12.847 -12.811 15/1.05856 -62.7 12.4	-84.3		25.65649	0.720 -	-90.9 75.3	34.1 44.0	40.3	0.	1- 2
3 -11.180 -15.395 1512.31647 -64.7 10.4 4 -11.079 -10.947 1597.12343 -68.3 11.8		26.2	24.67069			35.9 38.5	36.1	91.72561	2- 3
4 -11.079 -10.947 1597.12343 -68.3 11.8 5 -14.716 -9.769 1646.87131 -61.0 14.9		23.6 28.5	26.04636 26.86529		-88.1 77.0 -93.8 78.4	32.2 46.1	44.4	132.23339	3- 4
6 -14.609 -14.544 1553.67386 -56.6 12.9	-84-8	31.1	25.33768			32.3 49.9 36.0 42.4		115.52591 139.96973	4- 5 5- 6
7 -11.180 -15.395 1512.31647 -64.7 10.4	82.7	26.2	24.67069		-88.3 72.6	35.9 38.5	36.2 36.1	106.87006	5- 6 6- 7
8 -9.830 -17.632 1467.52673 -66.6 8.8	-81.7	25.2	23.86954	0.836 -	-86.2 10.3	37.9 33.7	32.1	78.17365	7~ 8
9 -9.655 -13.620 1536.85530 -70.3 10.0 10 -9.469 -8.859 1634.83643 -73.0 11.1		22.7	25.04051	0.757 -	-85.8 74.3	34.2 40.9	39.9	119.87780	8- 9
10 -9.469 -8.859 1634.83643 -73.0 11.1 11 -12.865 -7.730 1677.29805 -66.2 14.1		20.2	26.56000		-85.4 79.0	30.4 49.0		142.33736	9~10
12 -16.935 -5.981 1748.98143 -59.5 18.0		24.8 29.7	27.32866 28.43527			30.3 52.1		108.19319	
13 -16.625 -11.614 1627.77501 -55.4 15.6		32.3	26.50883		-96.5 76.8	30.6 56.7		133.49597 163.60892	
14 -16.437 -16.164 1545.11722 -50.2 13.3	-85.2	35.0	25.09194			38.0 41.7	31.9	132.25907	13-14
15 -12.868 -17.029 1496.85777 -58.0 10.7		30.0	24.38923	0.801 -	-90.8 71.2	37.8 36.9	32.3	111.01924	
16 -9.830 -17.632 1467.52673 -66.6 8.8	-81.7	25.2	23.86954	0.836 -	-86.2 70.3	37.9 33.7	32.1	93.76802	15-16
JULY 31,1964 13 HR 15 MIN 34 SEC 473 MS	7	AB NO	81	ATLAS	PHOTO NO	81	POD S	EQUENCE NO	165
TRAJECTORY DATA	SEC TO		ALT	1 4 7	LCN	_			
				-5.C3	LCN 5 -32.311	R 3056-557	V 2.097	PTH -72.164 11	AZ 6 505
PHOTO DATA				2002	, ,,,,,,,	30302331	2.071	-12.104 11	0.303
PT LAT LON RANGE AZS/C AZN	AZ SUN	AZA	A =	B/A A	ZPHAZ INCD	PHAZ EMIS	ALPHA		PT-PT
2 -12.838 -12.851 1559.53650 -62.7 12.4 3 -11.183 -15.416 1501.26993 -64.7 10.4		27.3	25.46833			34.1 43.9	40.3	0.•	1- 2
3 -11.183 -15.416 1501.26993 -64.7 10.4 4 -11.082 -11.002 1585.35303 -68.3 11.8			24.49048		-88.3 72.6	35.9 38.5	36.1	91.02490	2- 3
	-86.6		26.66613	0.646 -	-88.1 76.9 -93.8 78.3	32.2 46.1 32.3 49.8		131.19749	
6 -14.588 -14.572 1542.29697 -56.6 12.9		31.1	25.15215	0.739					4- 5 5- 6
7 -11.183 -15.416 1501.26993 -64.7 10.4	-82.7	26.2	24.49048	0.783 -	-88.3 72.6	35.9 38.5			6- 7
8 -9.843 -17.636 1456.80913 -66.6 8.8			23.69522		-86.2 70.3	37.9 33.7	32.1	77.60160	7- 8
9 -9.670 -13.654 1525.59129 -70.3 10.0 10 -9.484 -8.931 1622.67850 -73.0 11.2			24.85700		-85.8 74.2	34.2 40.9		118.97772	8- 9
11 -12.855 -7.813 1664.77213 -66.2 14.1		20.3	26.36255 ( 27.12458 (		-85.4 78.9 -91.0 80.2	30.4 49.0 30.3 52.0		141.16842	
12 -16.894 -6.085 1735.69919 -59.5 18.0	-90.5	29.7	28.21935			30.3 52.0		107.36649 132.37389	10-11
13 -16.587 -11.666 1615.73929 -55.4 15.6	-87.2	32.3	26.31286	0.665 -	-96.5 76.7	34.3 48.4	40.4	162.13120	12-13
14 -16.401 -16.180 1533.78683 -50.2 13.3		35.0	24.90799	0.75C -	-95.9 72.4	38.0 41.6	31.9	131,22420	13-14
15 -12.859 -17.037 1485.93350 -58.0 10.7			24.21124	0.801 -	-90.8 71.2	37.8 36.9	32.3	110.18368	14-15
16 -9.843 -17.636 1456.80913 -66.6 8.8	-81.7	25.3	23.69522	0.836 -	-86.2 70.3	37.9 33.7	32.1	93.08574	15-16

	RA-	VII CAMERA	fe				28
						DOD OFFICE NO	167
JULY 31,1964 13 HR 15 MIN 39 SEC 593 MS		TAB NO	82	ATLAS PHOTO NO	82	POD SEQUENCE NO	) 16/
						V PTH	AZ
TRAJECTURY DATA		TO IMPACT	ALT 1310.87762	LAT LON -5.063 -32.255	R 3046.333	y PTH 2.099 -72.124 11	
PHOTO DATA					DIA THE	ALPHA SCALE	PT-PT
, , , , , , , , , , , , , , , , , , , ,	ZN AZS	.2 27.4	A# 25 27996	B/A AZPHAZ INCD 0.721 -90.9 75.2	34.1 43.9		1- 2
2 +12.829 -12.892 1547.99579 -62.6 12 3 -11.187 -15.436 1490.20534 -64.6 10		7 26.2	24.30999		35.9 38.5		2- 3
4 -11.086 -11.058 1573.56430 -68.2 11	.8 -8	3.5 23.7	25.66218	0.695 -88.1 76.9	32.2 46.0	44.3 130.16056	3- 4
5 -14.669 -9.902 1622.43517 -61.0 14	.8 -86	5.6 28.5	26.46667		32.3 49.8		
6 -14.566 -14.599 1530.90152 -56.6 17	2.9 -84		24.96633	0.739 -93.5 73.7			
7 -11.187 -15.436 1490.20534 -64.6 10	-6	2.7 26.2	24.30999	0.783 -88.3 72.6	37.9 38.5	36.1 105.28353 32.1 77.02842	7- 8
	8.8 -8	1.6 25.3 2.1 22.8	23.52062		34.2 40.9	37.8 118.07624	
9 -9.684 -13.689 1514.30923 -70.2 10 10 -9.500 -9.005 1610.50326 -72.9 1	).U =87		26-16481	0.660 -85.4 78.8	30.4 48.9	48.2 139.99934	9-10
11 _12 445 _7 897 1452 22897 ~66.2 10	-0 -8	5.8 24.8	26.92022		30.3 51.9	49.2 106.53885	10-11
12 -16.852 -6.189 1722.40254 -57.5 1	7.9 -90	0.4 29.7	28,00318	0.555 -97.2 82.0	30.6 56.5	50.0 131.25270	11-12
13 -16.549 -11.718 1603.68530 -22.44 13	)•	7.2 32.3	26.11659	0.665 ~96.5 76.7	34.3 48.4	40.3 160.65595	
14 -16.366 -16.196 1522.43837 -50.2 1	3.2 -8	5.2 34.9	24.72375		38.0 41.6	31.9 130.18841 32.3 109.34716	14-15
15 -12.850 -17.045 1474.99135 -58.0 10	0.7 -8	3.1 30.0	24.03295		37.8 36.9		
16 -9.856 -17.640 1446.07437 -66.6	8.8 -8	1.6 25.3	23.52062	0.836 -86.2 70.3	37.9 33.7	32.1 92.40207	1, 10
		TAB NO	83	ATLAS PHOTO NO	83	POD SEQUENCE N	0 169_
JULY 31,1964 13 HR 15 MIN 44 SEC 713 M	5	IAB NO	03	AILAS PHOTO NO	65	TOD SEQUENCE	
3054 3111404 12 HK 12 HK 44 250 112 W							
TRAJECTORY DATA		TO IMPACT	ALT	LAT LON	R	y PTH	AZ
		604.087	1300.64297	+5.091 -32.199	3036.098	2.102 -72.083 1	10.570
PHOTO DATA				B/A AZPHAZ INCO	DUAT EMIS	ALPHA SCALE	PT-PT
PT LAT LON RANGE AZS/C	AZN AZ	SUN AZA	A+	0.721 -90.9 75.2	24 0 43 Q	40.2 D.	1- 2
2 -12.820 -12.932 1536.43839 -62.6 1 3 -11.190 -15.457 1479.12448 -64.6 1	2.4 -8 0.4 -8	7 7 26 2	25.09112	0.784 -88.3 72.6	35.9 38.5	36.1 89.62065	
4 -11.090 -11.113 1561.76038 -68.2 1		3.5 23.7	25.46970	0.696 -88.1 76.8	32.2 46.0	44.2 129.12360	3- 4
5 -14.645 -9.969 1610.19191 -61.0 1		6.6 28.5	26.26695	0.647 -93.8 78.2	32.3 49.7	44.7 112.86856	4- 5
6 -14.543 -14.627 1519.48846 -56.7 1	2.8 -8	4.8 31.1	24.78021	0.740 -93.5 73.7	36.0 42.4	36.1 136.58270	
7 -11.190 -15.457 1479.12448 -64.6 1	0.4 -8	2.7 26.2	24.12922	0.784 -88.3 72.6	35.9 38.5	36.1 104.48811	
8 -9.869 -17.645 1435.32419 -66.5	8.8 ~8	1.6 25.3	23.34577	0.835 -86.2 70.3 C.758 -85.8 74.2	37.9 33.7	32.1 76.45410	8- 9
9 -9.698 -13.723 1503.01190 -70.2 1		2.1 22.8	24.48915	0.758 -85.8 74.2 0.661 -85.4 78.7	30 4 40 B	48.2 138.83133	9-10
10 -9.515 -9.078 1598.31517 -72.9 1		2.6 20.4 5.8 24.9	26.71564		30.7 70.8	49.1 105.71002	
11 -12.835 -7.981 1639.67207 -66.2 1 12 -16.810 -6.294 1709.09396 -59.5 1	4.U -8	0.3 29.7	27.78682				
		7.2 32.3	25.92004	0.666 -96.5 76.6	34.3 48.3	40.3 159.18447	
14 -16.329 -16.212 1511.07176 -50.3 1		5.2 34.9	24.53921	0.751 -95.9 72.3	38.C 41.6	31.9 129.15218	
		3.1 29.9	23.85439	0.801 -90.8 71.2	37.8 36.9	32.3 108.50880	
16 -9.869 -17.645 1435.32419 -66.5	8-8 -8	1.6 25.3	23.34577	0.835 -86.2 70.3	37.9 33.7	32.1 91.71709	15-16
				ATLAS PHOTO NO	84	POD SEQUENCE N	10 171
		TAB NO	84	ATLAS PHOTO NO	0**	TOD SEQUENCE I	
JULY 31,1964 13 HR 15 MIN 49 SEC 833 M	3						
TRAJECTORY DATA	SEC	TO IMPACT	AL T	LAT LON	- R	V PTH	AZ
		598.967	1290.3981	6 -5.119 -32.143	3025.85	3 2.105 -72.042 1	116.563
PHOTO DATA						ALPHA SCALE	PT-PT
	AZN AZ		A+	B/A AZPHAZ INCO 0.722 -90.9 75.1	DHAT FMIZ	ALPHA SLALE	1- 2.
		4.2 27.4	24.90219	0.722 -90.9 75.1	35 0 38 5	36.0 88.9175	
		3.5 23.7	26 27711	0 404 -04 1 76 F	1 22 2 45. Q	44.2 128.08954	4 3- 4
		6.6 28.5	26.06706	0.648 -93.8 78.1	32.3 49.7	44.7 111.9792	2 4-5
6 -14.520 -14.655 1508.05952 -56.7 1		4.8 31.0	24.59384	0.740 -93.5 73.7	7 36.0 42.3	36.1 135.4567	8 2- 0
7 -11.192 -15.477 1468.03250 -64.6 1		2.6 26.2	23.94828	0.784 -88.3 72.6	35.9 38.5	36.0 103.6900	B 6-7
8 -9.881 -17.649 1424.56342 -66.5	8.8 -8	1.6 25.3	23.17075	C.835 -86.2 70.3	3 37.9 33.7	32.1 75.8791	47-8
9 -9.711 -13.757 1491.70776 -70.2 1	0.0 -8	2.1 22.8	24.30498		34.1 40.8	39.7 116.2735	3 8- 9
10 -9.530 -9.150 1586.12779 -72.9 1	1.2 -8	2.6 20.4	25.76894		7 30.4 48.8	48.1 137.6684 49.0 104.8796	2 9-10
		5.8 24.9	26.51100	0.620 -91.0 79.9 0.558 -97.2 81.8	9 30.3 51.7		
		0.3 29.7	21.01031	0.558 -97.2 81.0	5 34.3 4# 3		
13 -16.472 -11.823 1579.52647 -55.4 1 14 -16.292 -16.228 1499,68538 -50.2 1	2 2 -6	17.2 32.2	24.35435	0.751 -95.9 72.1	3 38.0 41.6	31.8 128.1175	1 13-14
15 -12.831 -17.062 1453.05826 -58.1	0.7 -5	13.1 29.9	23.67559	0.801 -90.8 71.	2 37.8 36.9	32.3 [01.0013	
16 -9.881 -17.649 1424.56342 -66.5	8.8 -F	1.6 25.3	23-17075	0.835 -86.2 70.3	3 37.9 33.7	32.1 91.0299	4 15-16

	RA-VII CA	MERA F8			29
JULY 31,1964 13 HR 15 MIN 54 SEC 953 MS	TAB	8 NO 85	ATLAS PHOTO NO	85 POD	SEQUENCE NO 173
TRAJECTORY DATA	SEC TO IMP	ACT ALT	LAT LON	R V	PTH AZ
	593.847		-5.147 -32.086		-72.000 116.556
PHOTO DATA PT LAT LON RANGE AZS/C AZP	I AZSUN A	AZA A•	B/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.799 -13.014 1513.28171 -62.6 12.3				34.0 43.8 40.2	0. 1- 2
3 -11.194 -15.498 1456.92209 -64.6 10.4		2 23.76703 (		35.9 38.5 36.0	88.21341 2- 3
4 -11.095 -11.224 1538.12177 -68.2 11.6 5 -14.596 -10.102 1585.66602 -61.0 14.7		3.8 25.08422 ( 3.5 25.86687 (		32.2 45.9 44.1 32.2 49.6 44.6	127.05442 3- 4
5 -14.596 -10.102 1585.66602 -61.0 14.7 6 -14.496 -14.682 1496.61183 -56.7 12.8		1.0 24.40716 (		32.2 49.6 44.6 36.0 42.3 36.1	111.08896 4- 5 134.33022 5- 6
7 -11.194 -15.498 1456.92209 -64.6 10.4	-82.6 26	.2 23.76703 (	.784 -88.3 72.5	35.9 38.5 36.0	102.89089 6- 7
8 -9.893 -17.653 1413.78508 -66.5 8.8 9 -9.725 -13.791 1640.38515 -70.1 10.6		22.99544 (		37.9 33.7 32.1	75.30306 7-8
9 -9.725 -13.791 1480.38515 -70.1 10.0 10 -9.544 -9.223 1573.92255 -72.8 11.2		2.9 24.12052 ( ).5 25.57071 (		34.1 40.8 39.7 30.4 48.7 48.0	115.37157 8- 9 136.50525 9-10
11 -12.813 -8.148 1614.53374 -66.1 14.0		.9 26.30607 (		30.3 51.7 48.9	104.04841 10-11
12 -16.724 -6.502 1682.45061 -59.5 17.3	-90.2 29	27.35368 (	0.559 -97.2 81.7	30.6 56.2 49.7	127.88915 11-12
13 -16.433 -11.876 1567.42059 -55.4 15.4		25.52611	0.668 -96.5 76.5	34.3 48.2 40.2	156.25867 12-13
14 -16.255 -16.244 1488.28082 -50.3 13. 15 -12.820 -17.071 1442.06609 -58.1 10.7		.8 24.16920 ( 9.9 23.49649 (		38.0 41.5 31.8 37.8 36.9 32.3	127.08172 13-14 106.82522 14-15
16 -9.893 -17.653 1413.76508 -66.5 8.8		22.99544		37.9 33.7 32.1	90.34170 15-16
					70031110 13 10
JULY 31,1964 13 HR 16 MIN 0 SEC 73 MS	TAB	NO 86	ATLAS PHOTO NO	86 POD	SEQUENCE NO 175_
TRAJECTORY DATA			LAT LCN		
TRAJECTURY DATA	SEC TO 1MP 588.727		LAT LCN -5.176 -32.029	R V	PTH AZ ) -71.959 116.548
PHUIU DATA			31110 321027	3003.333 2.110	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PT LAT LON RANGE AZS/C AZI 2 -12-789 -13-055 1501-66327 -62-6 12-3	I AZSUN A	17A A+		PHAL EMIS ALFIIA	SCALE OF-DE
2 -12.789 -13.055 1501.66327 -62.6 12.3 3 -11.196 -15.519 1445.76398 -64.6 10.4	9 -84.2 27 9 -82.6 26	7.4 24.52322 ( 3.2 23.58534 (		34.0 43.7 40.1 35.9 38.5 36.0	0. 1-2 87.50638 2-3
4 -11.097 -11.280 1526.26152 -68.1 11.		3.8 24.89C82 (		32.2 45.8 44.1	126.01537 3- 4
5 -14.571 -10.169 1573.36040 -61.0 14.		3.5 25.66613		32.2 49.5 44.5	110.19617 4- 5
6 -14.473 -14.711 1485.13466 -56.7 12.0		1.0 24.22000	0.741 -93.5 73.6	36.0 42.3 36.1	133.19957 5- 6
7 -11.196 -15.519 1445.78398 -64.6 10.6 8 -9.904 -17.658 1402.98177 -66.5 8.8	82.6 26		0.784 -88.3 72.5 0.835 -86.2 70.3	35.9 38.5 36.0 37.9 33.7 32.1	102.08932 6- 7 74.72448 7- 8
9 -9.738 -13.826 1469.03378 -70.1 10.6			0.759 -85.8 74.1	37.9 33.7 32.1 34.1 40.8 39.7	114.46602 8- 9
10 -9.558 -9.297 1561.68506 -72.8 11.3	82.5 20	0.5 25.37197	0.663 -85.4 78.5	30.4 48.6 48.0	135.33834 9-10
11 -12.802 -8.232 1601.92157 -66.1 14.0		.9 26.10059		30.3 51.6 48.8	103.21445 10-11
12 -16.681 -6.606 1669.08690 -59.5 17. 13 -16.394 -11.929 1555.28242 -55.5 15.6		9.7 27.13642 ( 2.2 25.32847 (	0.561 -97.2 81.6 0.668 -96.5 76.4	30.6 56.1 49.6 34.3 48.2 40.1	126.76640 11-12 154.79408 12-13
14 -16.217 -16.261 1476.84804 -50.4 13.	-85.2 34	4.8 23.98359	0.752 -95.9 72.3	38.0 41.5 31.8	126.04194 13-14
15 -12.810 -17.080 1431.04721 -58.1 10.	-83.1 29	23.31696	0.801 -90.8 71.1	37.8 36.9 32.2	105.98070 14-15
16 -9.904 -17.658 1402.98177 -66.5 8.6	8 -81.6 25	5.4 22.81973	3.835 -86.2 70.3	37.9 33.7 32.1	89.65133 15-16
	· TAR	NO 87	ATLAS PHOTO NO	87 POD	SEQUENCE NO 177
JULY 31,1964 13 HR 16 MIN 5 SEC 192 MS					
TRAJECTORY DATA	SEC TO IMP	PACT ALT	LAT LON	R V	PTH AZ
THE COLONIE VALLE			-5.204 -31.972		2 -71.917 116.541
PHOTO DATA					
PT LAT LCN RANGE AZS/C AZI		AZA A+	B/A AZPHAZ INCD		SCALE PT-PT
2 -12.778 -13.099 1489.98906 -62.6 12. 3 -11.197 -15.542 1434.59787 -64.6 10.	-82.6 26	6.3 23.40286 (	0.784 -88.3 72.5	35.9 38.4 36.0	0. 1- 2 86.79262 2- 3
4 +11.100 -11.338 1514.34218 -68.1 11.		3.8 24.69645		32.2 45.8 44.0	124-96660 3- 4
5 -14.545 -10.240 1560.98940 -61.0 14.	7 -86.5 28	3.5 25.46433	3.651 -93.8 77.9	32.2 49.5 44.5	109.29703 4- 5
6 -14.448 -14.742 1473.60464 -56.7 12.		1.0 24.03198		36.0 42.2 36.0	132.05786 5- 6
7 -11.197 -15.542 1434.59787 -64.6 10.8 -9.916 -17.664 1392.13670 -66.5 8.		5.3 23.40286 ( 5.4 22.64333 (		35.9 38.4 36.0 37.9 33.7 32.1	101-28276 6- 7 74-14077 7- 8
9 -9.750 -13.863 1457.63144 -70.1 10.		2.9 23.74983		34.1 40.7 39.7	113.55272 8- 9
10 -9.573 -9.374 1549.38455 -72.8 11.	2 -82.5 20	0.5 25.17220	0.664 -85.4 78.5	30.4 48.6 47.9	134-16060 9-10
11 -12.790 -8.319 1589.24007 -66.1 13.		4.9 25.89397		30.3 51.5 48.7	102.37464 10-11
12 -16.637 -6.714 1655.64603 -59.5 17. 13 -16.354 -11.985 1543.08240 +55.5 15.		9.7 26.91791 2.2 25.12982		30.6 56.0 49.5 34.3 48.1 40.1	125.63559 11-12 153.31552 12-13
14 -16.179 -16.280 1465.36508 -50.4 13.		4.7 23.79716		38-0 41-5 31-8	
15 -12.799 -17.091 1419.98289 -58.1 10.	7 -83.1 29	9.9 23.13668	0.802 -90.8 71.1	37.8 36.9 32.2	105.13133 14-15
16 -9.916 -17.664 1392.13670 -66.5 8.	8 -81.6 25	5.4 22.64333	0.835 -86.2 70.3	37.9 33.7 32.1	88.95735 15-16

		RA-VII CAMERA	L FB			30
		TAB NO	88	ATLAS PHOTO NO	88 POD :	SEQUENCE NO 179
JULY 31,1964 13 HR 16 MIN 10 S	EC 312 MS					
TRAJECTORY DATA		SEC TO IMPACT 578.487	ALT 1249.31485	LAT LCN -5.233 -31.914	R V 2984.770 2.115	PTH AZ -71.874 116.533
PHOTO DATA PT LAT LON RANGE	AZS/C AZN	AZSUN AZA	A+	B/A AZPHAZ INCD	PHAT ENTS ALPHA	SCALE PT-PT
2 -12.767 -13.143 1478.29689	-62.6 12.3	-84.2 27.4	24.14163	0.723 -90.9 75.0	34.0 43.7 40.0	0. 1-2
	-64.6 10.3 -68.1 11.7	-82.6 26.3 -83.4 23.8	23.22009 24.50180		35.9 38.4 36.0 32.2 45.7 44.0	86.07812 2- 3 123.91708 3- 4
	-61.0 14.6	-83.4 23.8 -86.4 28.5	25.26224		32.2 49.4 44.4	108.39736 4- 5
6 -14.424 -14.773 1462.05684	-56.7 12.7	-84.7 31.0	23.84367	C.742 -93.5 73.5	36.0 42.2 36.0	130 91595 5- 6
	-64.6 10.3	-82.6 26.3	23.22009		35.9 38.4 36.0 37.8 33.7 32.1	100.47529 6- 7 73.55606 7- 8
	-66.4 8.8 -70.1 10.0	-81.6 25.4 -82.0 23.0	22.46666		34.1 40.7 39.6	112.63815 8- 9
	-72.7 11.2	-82.5 20.6	24.97217	0.665 -85:4 78.4	30.4 48.5 47.8	132.98300 9-10
11 -12.779 -8.467 15/6.54269	-66.1 13.9	-85.6 25.0	25.68710		30.3 51.4 48.7	101.53401 10-11 124.50623 11-12
	-59.5 17.6 -55.5 15.3	-90.0 29.7 -87.1 32.1	26.69920		34.3 48.0 40.0	151.84021 12-13
	-50.4 13.1	-85.2 34.7	23.61046		38.0 41.4 31.8	123.94154 13-14
15 -12.787 -17.102 1408.90109	-58.1 10.7	-83.1 29.9	22.95613	0.802 -90.8 71.1	37.8 36.9 32.2	104.28090 14-15
	-66.4 8.8	-81.6 25.4	22.46666	0.835 -86.2 70.3	37.8 33.7 32.1	88.26237 15-16
		TAB NO	89	ATLAS PHOTO NO	89 POD	SEQUENCE NO 181
JULY 31,1964 13 HR 16 MIN 15 S	EC 432 MS					
TRAJECTORY DATA		SEC TO IMPACT	AL T	LAT LON	R V	PTH AZ
PHOTO DATA		573.367	1239.01782	-5.262 -31.856	2974.473 2.110	3 -71.832 116.526
	AZS/C AZN	AZSUN AZA	Δ.	B/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.755 -13.188 1466.57556	-62.6 12.3	-84.2 27.4	23.95021	0.724 -90.9 74.9	34.0 43.6 40.0	0. 1-2
	-64.6 10.3	-82.6 26.3 -83.4 23.9	23.03689		35.9 38.4 36.0 32.2 45.7 43.9	85.36084 2- 3 122.86477 3- 4
	-68.1 11.7 -61.0 14.6	-83.4 23.9 -86.4 28.5	25.05965		32.2 49.3 44.3	107.49469 4- 5
	-56.8 12.7	-84.7 31.0	23.65489	0.742 -93.5 73.5	36.0 42.2 36.0	129.77116 5- 6
7 -11.199 -15.590 1412.163.63			23.03689		35.9 36.4 36.0 37.8 33.7 32.1	99.66493 6- 7 72.96904 7- 8
	-66.4 8.8 -70.0 10.0		22.28960		34.1 40.7 39.6	111.72086 8- 9
9 -9.775 -13.938 1434.76515 10 -9.600 -9.527 1524.72275	-72.7 11.2		24.77168		30.4 48.4 47.7	131.80318 9-10
11 -12.766 -8.495 1563.81454	-66.1 13.9	-85.6 25.0	25.47973	0.626 -91.0 79.5	30.3 51.3 48.6	
	-59.5 17.5		26.47997	0.565 -97.2 81.2	30.6 55.7 49.3 34.3 48.0 40.0	123.37471 11-12 150.36359 12-13
13 -16.273 -12.098 1518.61636 14 -16.103 -16.319 1442.33557	-55.5 15.2 -50.5 13.1		24.73146	C.671 -96.5 76.3 0.753 -95.9 72.2	34.3 48.0 40.0 38.0 41.4 31.8	122.88781 13-14
14 -16.103 -16.319 1442.33557 15 -12.776 -17.114 1397.79288	-58.1 10.7		22.77514	0.802 -90.8 71.1	37.8 36.9 32.2	103.42781 14-15
16 -9.938 -17.678 1370.38863	-66.4 8.8		22.28960	0.835 -86.2 70.3	37.8 33.7 32.1	87.56505 15-16
		TAB NO	90	ATLAS PHOTO NO	90 POD	SEQUENCE NO 183
JULY 31,1964 13 HR 16 MIN 20	SEC 552 MS					
TRAJECTORY DATA		SEC TO IMPACT	AL T	LAT LEN	R V	PTH AZ
		568.247	1228.7103	3 -5.291 -31.797	2964.166 2.12	0 -71.789 116.518
PHOTO DATA PT LAT LON RANGE	AZS/C AZN	AZSUN AZA	A •	B/A AZPHAZ INCE	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.743 -13.234 1454.81316		-84.2 27.4			34.0 43.6 40.0	
	-64.5 10.3		22.85311		. 35.9 38.4   35.9 . 32.2 45.6   43.8	
4 -11.104 -11.51d 1478.43317	-68.1 11.7		24.11089 24.85629		, 32.2 45.6   43.8 7 32.2 49.2   44.3	
5 -14.467 -10.453 1523.71548 6 -14.374 -14.837 1438.66165	-61.0 14.6 -56.8 12.7		23.46543		36.0 42.1 35.9	
7 -11.200 -15.615 1400.89775	-64.5 1C.3	-82.6 26.3	22.85311	0.785 -88.3 72.4	35.9 38.4 35.9	
8 -9.949 -17.686 1359.47113	-06.4 8.8		22.11203		3 37.8 33.7 32.1 3 34.1 40.6 39.6	
9 -9.787 -13.977 1423.28290	-70.0 10.0 -72.7 11.2		23.19024	C.76C -85.8 73.9 C.667 -85.4 78.2	7 34.1 40.6   39.6 2 30.4 48.4   47.7	
10 -9.613 -9.606 1512.33737 11 -12.754 -8.584 1551.03990	-66.1 13.9		25.27160		4 30.3 51.3 48.5	99.84284 10-11
12 -16.503 -7.041 1615.16927	-59.5 17.5	-89.9 29.6	26.25917	C.567 -97.2 81.	1 30.6 55.6 49.1	
13 -16.232 -12.156 1506.32022	-55.5 15.2		24.53125		2 34.3 47.9 39.9	
14 -16.063 -16.340 1430.76505	-50.5. 13.0 -58.1 10.6		23.23545		2 38.0 41.4 31.6 1 37.8 36.8 32.6	
15 -12.764 -17.127 1386.64867 16 -9.949 -17.686 1359.47113	-66.4 8.8		22.11263	0.835 -86.2 70.	3 37.8 33.7 32.	
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		_	RA-VI	CAMERA	A FB						31
				rab no	91	ATLAS	PHOTO NO	91	POD S	EQUENCE NO	185
JULY 31,1964 13 HR 16 MIN	25 SEC 672	MS		1712 110	<b>51</b>	AID (G	111010 110	<b>52</b>	100 3	réorier ie	105
TRAJECTORY DATA				IMPACT	ALT 1218.39203	LAT 3 -5.321	LCN -31.738	R 2953.847	2.123	PTH A	.510
PHOTO DATA											
PT LAT LON RANG 2 -12.730 -13.280 1443.03		AZN 12.2	AZ SUN -84.1	AZA 27.4	A* 23.56574			PHAZ EMIS 34.0 43.5		SCALE P	T-PT
2 -12.730 -13.280 1443.03 3 -11.200 -15.641 1389.61	1377 -64.5	10.3	-82.6	26.3	22.66903			35.9 38.4	35.9	0. 83.91645	1- 2
4 -11.105 -11.579 1466.40	913 -68.0	11.7	-83.3	23.9	23.91481			32.2 45.6		120.74955	
5 -14.440 -10.526 1511.23	3227 -61.0	14.5	-86.4	28.5	24.65265	C.655 -	93.8 77.6	32.2 49.2		105.67857	
6 -14.348 -14.870 1427.23	2562 -56.8	12.7	-84.7	30.9	23.27568	0.743 -	93.5 73.4	36.0 42.1			5- 6
7 -11.200 -15.641 1389.63 8 -9.959 -17.695 1348.53	1377 -64.5 3636 -66.4	1C.3 8.8	-82.6 -81.6	26.3 25.4	22.66903			35.9 38.4 37.8 33.7	35.9 32.1	71.78662	6- 7 7- B
9 -9.799 -14.016 1411.78		10.0	-82.0	23.1	23.00288					109.87643	
10 -9.626 -9.684 1499.93	3564 -72.6	11.2	-82.4	20.7	24.36913	0.668 -	85.4 78.2	30.4 48.3	47.6	129.43421	9-10
11 -12.741 -8.674 1538.24		13.9	-85.5	25.0	25.06321			30.3 51.2	48.4	98.99431 1	
12 -16.457 -7.151 1601.6 13 -16.190 -12.214 1494.00	1931 -59.5	17.4	-89.8		26.03959	0.569	-97.2 81.0 -96.5 76.2	30.6 55.5	49.0 39.9	121-10141 1 147-40178 1	
13 -16.190 -12.214 1494.00 14 -16.023 -16.361 1419.1		15.2	-87.0 -85.2	32.1 34.6	23.04732			38.0 41.3	31.7	120.76795 1	
15 -12.751 -17.141 1375.4		10.6	-83.1	29.8	22.41170			37.8 36.8	32.2	101.71184 1	
16 -9.959 -17.695 1348.5		8.8	-81.6	25.4	21.93418			37.8 33.7	32.1	86.16273 1	
JULY 31,1964 13 HR 16 MI	30 SEC 792	MS		TAB NO	92	ATLAS	PHOTO NO	92	POD S	EQUENCE NO	18/
TRAJECTORY DATA				IMPACT	ALT	LAT	LGN	R	٧		1Z
PHOTO DATA			558	-067	1208.06311	1 -5.350	0 -31.678	2943.516	2.126	-71.703 116	.502
PT LAT LCN RAN	SE 475/C	Δ7 N	AZ SUN	Δ7 Δ	A +	R/A A	ZPHAZ INÇU	PHAZ CETT	at Pita	SCALE P	T-PT
2 -12.718 -13.326 1431.2	2868 -62.6	12.2	-84.1		23.37297	0.726	-90.9 74.8	34.0 43.5			1- 2
3 -11.200 -15.666 1378.3	0779 -64.5	10.3	-82.6		22.48459	0.785 -	-88.3 72.4	35.9 38.3	35.9		2- 3
4 -11.106 -11.640 1454.3		11.7		23.9	23.71838			32.2 45.5	43.7	119.69061	
5 -14.412 -10.599 1498.7		14-5	-86.3		24.44861			32.2 49.1	44.1		4-5
6 -14.322 -14.903 1415.5 7 -11.200 -15.666 1378.3		12.6		30.9 26.3	23.08552		-93.5 73.4 -88.3 72.4	36.0 42.0	35.9 35.9	126.31808 97.21697	5- 6 6- 7
8 -9.969 -17.703 1337.5		8.8			21.75600			37.8 33.7	32.1	71.19322	7- 8
9 -9.810 -14.056 1400.2	6208 -69.9	10.0	-82.0	23.1	22.81519	0.761 -	-85.8 73.9	34.1 40.6	39.5	108.95226	8- 9
10 -9.639 -9.763 1487.5		11.2			24.16740			30.4 48.2	47.5	128.24997	
11 -12.727 -8.764 1525.4		13.8			24.85447			30.3 51.1		98.14371 1	
12 -16.411 -7.262 1588.0 13 -16.148 -12.273 1481.6		17.3		29.6 32.0	25.81893 24.12984			30.6 55.4 34.3 47.8	48.9 39.8	119.96411 1 145.92434 1	
14 -15.983 -16.383 1407.5		13.0			22.85878		-95.9 72.2	38.0 41.3	31.7	119.70622 1	
15 -12.738 -17.154 1364.3		10.6			22.22946			37.8 36.8	32.2	100.85077 1	
16 -9.969 -17.703 1337.5		8.8	-81.6	25.5	21.75600	0.835	-86.2 70.3	37.8 33.7	32.1	85.45896 1	15-16
				TAB NO	93	2A ITA	PHOTO NO	93	POD S	EQUENCE NO	189
JULY 31,1964 13 HR 16 MI	N 35 SEC 912	MS				AILAS	riioio iio	33	1003	EQUENCE NO	103
								_			
TRAJECTORY DATA				IMPACT		LAT 7 +5.38	LCN 0 ~31.618	2933.17	V 1 2 129	PTH -71.660 116	1Z 5.495
PHOTO DATA			,,,,	•000	11//11/22					12.000 110	
PT LAT LON RAN	GE AZS/C	AZN	AZ SUN		Δ*		ZPHAZ INCD			SCALE F	PT-PT
2 -12.704 -13.373 1419.3		12.2	-84.1		23.17975		-90.9 74.7	34.0 43.4			1-2
3 -11.199 -15.693 1366.9 4 -11.105 -11.702 1442.2		10.3			22.29975		-88.3 72.4 -88.1 76.3	35.9 38.3 32.2 45.5	35.9	82.46510 118.63036	2- 3 3- 4
5 -14.384 -10.673 1486.1		14.5			24.24409			32.2 49.0	44.0	103.85349	4-5
6 -14.295 -14.937 1403.8		12.6			22.89489			36.0 42.0	35.8	125.16487	5- 6
7 -11.199 -15.693 1366.9	7684 -64.5	10.3	-82.6	26.3	22.29975	0.786	-88.3 72.4	35.9 38.3	35.9	96.39551	6- 7
8 -9.978 -17.712 1326.6		8.8			21.57745			37.8 33.7	32.1	70.59760	7- 8
9 -9.820 -14.095 1388.7		10.0			22.62712			34.1 40.5	39.4 47.4	108.02656	8- 9 9-10
10 -9.651 -9.843 1475.0 11 -12.713 -8.855 1512.5		11.2			23.96532 24.64529			30.4 48.1 30.3 51.0	48.2	97.29006	
12 -16.364 -7.373 1574.4		17.3			25.59778	0.572		30.6 55.3	48.8	118.82392	
13 -16.105 -12.333 1469.2	9607 -55.6	15.1	-87.0	32.0	23.92840	0.675	-96.5 76.0	34.3 47.7	39.7	144.44759	12-13
14 -15.942 -16.405 1395.9		12.9			22.669.74			38.0 41.2	31.7	118.64214	
15 -12.725 -17.168 1353.0		10.6			22.04679			37.8 36.8		99.98613 1	
16 -9.978 -17.712 1326.6	0367 -66.4	8.8	-81.6	25.5	21.57745	0.033	-86.2 70.3	37.8 33.7	32.1	84.75245	17-10

					RA-VII	CAMERA	FE						32
	15 1/2	R 16 MIN 41	(EC 33	ыc		TAB NO	94	ATLAS PH	IOTO NO	94	POD S	EQUENCE NO 1	191 —
JULY 31,19	04 I3 NA	4 10 FIN 41	356 32	m3									
TRAJECTOR					SEC TO 547.	IMPACT	ALT 1187.37259	LAT -5.410	LCN -31.558	R 2922.828	2.131	PTH AZ -71.616 116.4	87
PHOTO DAT	A LON	RANGE	A75/C	Δ7N	AZ SUN	474	A+	R/A A7PH	AZ INCO	PHAZ EMIS	AI PHA	SCALE PT-	PT
	-13.421	1407.54744			-84.1				.9 74.7	34.0 43.4	39.8	0. 1-	· 2
3 -11.198	-15.719	1355.62801	-64.5	10.3	-82.6			0.786 -88		35.9 38.3		81.73751 2-	. 3
		1430.20335		11.7	-83.3 -86.3			0.703 -88 0.658 -93		32.2 45.4	43-6	117.56954 3- 102.93868 4-	. 5
6 -14.268		1473.63240			-84.7		22.70397	0.000 -93	.5 73.3	36.0 42.0	35.8	124.01174 5-	· 6 _
7 -11.198		1355.62801		10.3	-82.6		22.11462	0.786 -88	.3 72.3	35.9 38.3	35.8	95,57322 6-	- 7
8 -9.987		1315.60966	-66.3	8.8	-81.6		21.39861	0.836 -86	.2 70.3	37.8 33.7		70.00109 7-	- 8
9 -9.831		1377.15623		10.0	-81.9	23.1		0.762 -85		34.1 40.5		107.09967 8-	- 9
10 -9.662		1462.61151		11.2	-82.4		23.76297	0.6/1 -85		30.4 48.1 30.3 50.9		96.43601 10-	-11
11 -12.699		1499.74393		13.8	-85.4 -89.6		24.43380	0.632 -91	.0 79.1 1.2 HO.7	30.6 55.2		117.68538 11	
13 -16.061		1456.90794		15.0	-87.0	32.0	23.72669	C.57497 O.675 -96	.5 76.0	34.3 47.6	39.7	142.97449 12-	
		1 184 - 25681	-50.7	12.9	-85.2		22.48041	0.755 -95	.9 72-1	38.0 41.2	31.7	117.57773 13-	
15 -12.711	-17-182	1341.86133	-58.2	10.6	-83.1		21.86384			37.8 36.8	32.2	99.12088 14-	
16 -9.987	-17.722	1315.60866	-66.3	8.8	-81.6	25.5	21.39861	0.836 -86	.2 70.3	37.8 33.7	32.1	84.04480 15-	-10
						TAB NO	95	ATLAS PI	AOTO NO	95	POD S	EQUENCE NO	193
JULY 31,19	64 13 H	H 16 M[N 46	SEC 152	MS		IAD NO	90	AILAS FE	1010 110	33			
											v	PTH AZ	
TRAJECTOR	Y DATA					IMPACT	ALT 1177.01105	LAT	LON -31.497	R 2912-466		-71.572 116.4	
PHOTO DAT	( <b>A</b>				742	.040							
PT LAT	LCN	RANGE	AZS/C	AZN	AZŞUN	AZA_	A+	B/A AZPH	AZ INCO	PHAZ EMIS	ALPHA	SCALE PT	
2 -12.676	-13.469	1395.66177	-62.6	12.2	-84.1	27.4	22.79214	0.727 -90	0.9 74.7	34.0 43.3	39.7		- 2
3 -11.197		1344.24623	-64.5	10.3	-82.6	26.3				35.9 38.3	35.8	81.00685 2-	
4 -11-105		1418.07639			-63.3		23.12666			32.2 45.3		102.02133 4	- 5
5 -14.327 6 -14.241		1461.03896		12.5				0.745 -93		36.0 41.9			- 6
7 -11-197		1344,24623				26.3		0.786 -88	1.3 72.3	35.9 38.3	35.8	94.74864 6	- 7
8 -9.996		1304.58374		8.8	-81.6			0.836 -86	.2 70.3	37.8 33.7	32.1		- 8
9 -9.841		1365.55940		10.0	-81.9		22.24983			34.1 40.5	39.4	106.16816 8- 124.69203 9-	- 9
10 -9.674		1450-11151		11.2	-82.3			0.633 -91	7.4 //.8	30.4 48.0	47.3 48.0	95.57923 10	
11 -12.684		1486.84811		13.7	-85.4 -89.6		24.22576 25.15445		1-0 19-0 7-2 80-6	30.6 55.0	48.5	116.54528 11	
13 -16.018		1444.48303					23.52438		5.5 75.9	34.3 47.5	39.6	141,49702 12	
14 -15.859		1372.56340			-85.2		22.29058		5.9 72.1	38.0 41.2	31.7	116.50836 13	-14
15 -12.697	-17.197	1330.60136	-58.2	10.6	-83.1	29 . B	21.68038		0.8 71.0	37.8 36.8		98,25329 14	
16 -9.996	-17.732	1304.58374	-66.3	8.8	-81.6	25.5	21.21929	0.836 -86	5.2 70.3	37.8 33.7	32.1	83.33530 15	-16
						TAB NO	96	ATLAS PH	HOTO NO	96	POD S	EQUENCE NO	195
JULY 31.19	964 13 H	R 16 PIN_51	SEC 272	MS.									
										R	v	PTH AZ	
TRAJECTOR	RY DATA					IMPACT		LAT 2 -5.471	LON -31-436			-71.527 116.	
PHOTO DAT	ГА				,,,,	- / - 0							
PT LAT	LCN	RANGE	AZS/C	AZN			A *			PHAZ EMIS			-PT
		1383.73679				27.4			0.9 74.4	34.0.43.3	39.7	80.27234 2	- 2
3 -11.196		1332.82892					21.74269			35.9 38.2			- 4
4 -11.104 5 -14.299		! 1405.90764 ! 1448.40250		11.6			22.92823			1 32.2 45.3 3 32.2 48.8			- 5
6 -14.213		1368.64531		12.5			22.32042			3 36.0 41.9			- 6
7 -11.196		1332.82892		10.3			21.74269			3 35.9 38.2		93.92134 6	- 7
8 -10.005		1293.52669		8.8	-81.6	25.5	21.03945	0.836 -8	6.2 70.	3 37.8 33.7	32.0		7- B
9 -9.852	-11.143				-81.9	23.2	22.06029	0 763 -8	5.8 73.	7 34.1 40.4	39.3	105.23144 8	- 9
	-14.219	1353.92462		10.0									
10 -9.686	-14.219 -10.086	1353.92462	-72.5	11.2	-82.3	20.9	23.35625	0.673 -8	5.4 77.	8 30.4 47.9	47.2	123.49651 9	)-10
10 -9.686 11 -12.670	-14.219 -10.086 -9.131	1353.92462 1437.56723 1473.90666	-72.5 -66.0	11.2	-82.3 -85.4	20.9 25.1	23.35625 24.01491	0.673 -89 0.634 -9	5.4 77.1 1.0 78.1	8 30.4 47.9 9 30.3 50.7	47.2	123.49651 9 94.71950 10	-11
10 -9.686 11 -12.670 12 -16.223	-14.219 -10.086 -9.131 -7.711	1353.92462 1437.56723 1473.90666 1533.47363	-72.5 -66.0 -59.6	11.2 13.7 17.1	-82.3 -85.4 -89.5	20.9 25.1 29.6	23.35625 24.01491 24.93172	0.673 -8° 0.634 -9 0.577 -9	5.4 77.1 1.0 78.1 7.2 80.1	8 30.4 47.9 9 30.3 50.7 5 30.6 54.9	47.2 47.9 48.4	123.49651 9 94.71950 10 115.40310 11	)-11 1-12
10 -9.686 11 -12.670 12 -16.223 13 -15.975	-14.219 -10.086 -9.131 -7.711 -12.515	1353.92462 1437.56723 1473.90666 1533.47363 1432.01787	-72.5 -66.0 -59.6 -55.7	11.2 13.7 17.1 14.9	-82.3 -85.4 -89.5 -86.9	20.9 25.1 29.6 31.9	23.35625 24.01491 24.93172 23.32142	0.673 -89 0.634 -9 0.577 -9 0.677 -9	5.4 77.1 1.0 78.1 7.2 80.1 6.5 75.1	8 30.4 47.9 9 30.3 50.7 5 30.6 54.9 9 34.3 47.5	47.2 47.9 48.4 39.6	123.49651 9 94.71950 10	)-11 1-12 2-13
10 -9.686 11 -12.670 12 -16.223 13 -15.975 14 -15.818	-14.219 -10.086 -9.131 -7.711 -12.515 -16.475	1353.92462 1437.56723 1473.90666 1533.47363 1432.01787	-72.5 -66.0 -59.6 -55.7	11.2 13.7 17.1 14.9	-82.3 -85.4 -89.5 -86.9	20.9 25.1 29.6 31.9	23.35625 24.01491 24.93172 23.32142	0.673 -8° 0.634 -9 0.577 -9° 0.677 -9°	5.4 77.1 1.0 78.1 7.2 80.1 6.5 75.1 5.9 72.	8 30.4 47.9 9 30.3 50.7 5 30.6 54.9	47.2 47.9 48.4 39.6 31.7	123.49651 9 94.71950 10 115.40310 11 140.01424 12 115.43343 13 97.38350 14	)-11 1-12 2-13 1-14
10 -9.686 11 -12.670 12 -16.223 13 -15.975 14 -15.818 15 -12.683	-14.219 -10.086 -9.131 -7.711 -12.515 -16.475 -17.213	1353.92462 1437.56723 1473.90666 1533.47363 1432.01787	-72.5 -66.0 -59.6 -55.7 -50.8 -58.2	11.2 13.7 17.1 14.9 12.8 10.6	-82.3 -85.4 -89.5 -86.9	20.9 25.1 29.6 31.9 34.3 29.7	23.35625 24.01491 24.93172 23.32142 22.10019 21.49638	0.673 -8 0.634 -9 0.577 -9 0.677 -9 0.756 -9 0.803 -9	5.4 77.1 1.0 78.1 7.2 80.1 6.5 75.1 5.9 72.1	8 30.4 47.9 9 30.3 50.7 5 30.6 54.9 9 34.3 47.5 0 38.0 41.1	47.2 47.9 48.4 39.6 31.7 32.1	123.49651 9 94.71950 10 115.40310 11 140.01424 12 115.43343 13	)-11 1-12 2-13 1-14

	RA-	-VII CAMERA	FB			
		TAB NO	97	ATLAS PHOTO NO	97	POD SEQUENCE NO 197
JULY 31,1964 13 HR 16 MIN 56 SE	391 MS					
TRAJECTORY DATA		TO IMPACT	ALT 1156-25516	LAT LCN -5.501 -31.374	R 2891.710 2	V PTH AZ
PHOTO DATA PT LAT LON RANGE A						
PT LAT LON RANGE A 2 -12.649 -13.569 1371.79468 -		SUN AZA 4.1 27.4	A. 22.40237	B/A AZPHAZ INCD 0.728 -90.9 74.6		
3 -11.195 -15.804 1321.39423 -			21.55616		34.0 43.2 3 35.9 38.2 3	
4 -11.104 -11.957 1393.72227 -		3.2 24.0	22.72952			3.4 114.35977 3- 4
5 -14.270 -10.976 1435.75069 -	1.0 14.3 -86	5.2 28.4	23.42134	C.661 -93.8 77.2	32.2 48.7 4	3.7 100.18043 4- 5
6 -14.186 -15.080 1356.84947 - 7 -11.195 -15.804 1321.39423 -	6.9 12.5 -84	4.7 30.8	22.128C6			35.7 120.52544 5- 6
7 -11.195 -15.804 1321.39423 - 8 -10.014 -17.755 1282.45255 -	4.5 10.3 -82 6.3 8.8 -81	2.6 26.3 1.6 25.5	21.55616	0.787 -88.3 72.3 0.836 -86.2 70.2		35.8 93.09324 6- 7 32.0 68.19597 7- 8
9 -9.862 -14.262 1342.27267 -		1.9 23.2	21.87046			39.3 104.29380 8- 9
10 -9.698 -10.168 1425.00772 -		2.3 21.0	23.15227			7.1 122.30173 9-10
		5.3 25.1	23.80384	C.636 -91.0 78.8	30.3 50.6 4	7.8 93.85955 10-11
	9.6 17.0 -89	9.5 29.5		0.579 -97.2 80.4		8.3 114.26273 11-12
		5.9 31.9 5.2 34.3	23.11820			39.5 138.53570 12-13 31.6 114.35835 13-14
		3.2 29.7	21.31210			31.6 114.35835 13-14 32.1 96.51304 14-15
	6.3 8.8 -81		20.85933			
JULY 31,1964 13 HR 17 MIN 1 SE	511 MS	TAB NO	98	ATLAS PHOTO NO	98	POD SEQUENCE NO 199_
TRAJECTORY DATA		TO IMPACT 527.288	ALT	LAT LON 5 -5.532 -31.312	R	V PTH AZ 2.143 -71.438 116.454
PHOTO DATA	•	27.288	1145.86050	-5.532 -31.312	2881.316 2	1.143 -11.438 110.454
PT LAT LEN RANGE A	S/C AZN AZS	SUN AZA	A =	B/A AZPHAZ INCO	PHAZ EMIS AL	LPHA SCALE DI PT
2 -12.635 -13.621 1359.79401 -	2.6 12.1 -84	4.1 27.4		0.729 -90.9 74.5	34.0 43.2 3	39.6 0. 1-2
3 -11.194 -15.835 1309.90800 -		2.6 26.3		C.787 -88.3 72.2		
4 ~11.104 ~12.024 1381.47331 ~ 5 ~14.241 ~11.055 1423.03204 ~		3.2 24.1 6.2 28.4	22.52978			43.3 113.27727 3- 4
6 -14.159 -15.119 1344.99974 -		6.2 28.4 4.7 30.7	23.21386 21.93483		32.2 48.6 4 36.0 41.8 3	43.6 99.25492 4- 5 35.7 119.35038 5- 6
7 -11.194 -15.835 1309.90800 -		2.6 26.3		0.787 -88.3 72.2		
8 -10.024 -17.768 1271.33292 -	6.3 8.8 -8	1.6 25.5	20.67848	0.836 -86.2 70.2	37.8 33.6 3	32.0 67.58752 7- 8
9 -9.873 -14.307 1330.56465 -		1.9 23.3	21.67972	0.763 -85.8 73.6	34.1 40.3 3	39.2 103.34746 8- 9
		2.3 21.0	22.94718			47.0 121.09513 9-10
12 -16.128 -7.942 1505.97734 -		5.3 25.1 9.4 29.5	23.59157			47.7 92.99438 10-11 48.2 113.11688 11-12
13 -15.888 -12.643 1406.99490 -		6.9 31.8				39.4 137.04386 12-13
14 -15.734 -16.526 1337.29822 -	0.8 12.8 -8	5.2 34.2	21.71808	0.757 -95.9 72.0	38.0 41.0 3	31.6 113.27313 13-14
		3.2 29.7	21.12704	0.804 -90.8 71.0		32.1 95.63883 14-15
16 -10.024 -17.768 1271.33292 -	6.3 8.8 -8	1.6 25.5	20.67848	0.836 -86.2 70.2	37.8 33.6 3	32.0 81.19471 15-16
JULY 31,1964 13 HR 17 MIN _6 SE	. 431 MC	TAB NO	99	ATLAS PHOTO NO	99	POD SEQUENCE NO 201
TRAJECTORY DATA		TO IMPACT	ALT	LAT LCN	R	V PTH AZ
PHOTO DATA		522.168	1135.4546	8 -5.563 -31.249	2870.910 2	2.146 -71.392 116.446
	S/C AZN AZS	SUN AZA	A =	B/A AZPHAZ INCO	PHAZ EMIS AL	LPHA SCALE PT-PT
2 -12.621 -13.676 1347.74051 -	2.6 12.1 -84	4.0 27.4	.22.00955	C.73C -90.9 74.4	34.0 43.1 3	39.5 0. 1-2
3 -11.193 -15.868 1298.37494 -	4.5 10.3 -83	2.6 26.4	21.18064	0.787 -88.3 72.2	35.9 38.1 3	35.7 78.04968 2- 3
	7.9 11.6 -8			0.707 -88.1 75.9	32.2 45.1 4	43.3 112.18582 3- 4
5 -14.212 -11.137 1410.25380 - 6 -14.131 -15.160 1333.10118 -		6.2 28.4 4.7 30.7				43.6 98.32480 4-5 35.6 118.16582 5-6
		4.7 30.7 2.6 26.4		0.787 -88.3 72.2	35.9 38.1 3	35.6 118.16582 5- 6 35.7 91.42558 6- 7
		1.6 25.6	20.49694	0.836 -86.2 70.2		32.0 66.97470 7- 8
9 -9.883 -14.354 1318.80597 -	9.8 10.0 -8	1.9 23.3	21.48815	0.764 -85.8 73.6	34.1 40.3 3	39.2 102.39355 8- 9
		2.3 21.1	22.74109			46.9 119.87873 9-10
11 -12.627 -9.421 1434.83041 -	6.0 13.6 -8	5.3 25.1	23.37827			47.6 92.12466 10-11
		9.3 29.5 6.9 31.8	24.25950 22.70888	0.582 -97.2 80.1 C.68C -96.5 75.7		48.0 111.96661 11-12 39.3 135.54151 12-13
14 -15.692 -16.555 1325.45959 -		5.2. 34.2	21.52589			31.6 112.17929 13-14
		3.2 29.7	20.94128	0.804 -90.8 71.0	37.8 36.7 3	32.1 94.76150 14-15
16 -10.033 -17.783 1260.17149 -		1.6 25.6	20.49694			32.0 80.47570 15-16

	TAB NO	100	ATLAS PHOTO NO	100 POD	SEQUENCE NO 203
JULY 31,1964 13 HR 17 MIN 11 SEC 751 MS					
TRAJECTORY DATA	SEC TO IMPACT 517.048		LAT LCN 2 -5.594 -31.186	R V	PTH AZ 9 -71.347 116.438
PHOTC DATA					
PT LAT LON RANGE AZS/C AZ	N AZSUN AZA		B/A AZPHAZ INCD		
2 -12.607 -13.731 1335.67105 -62.6 12. 3 -11.192 -15.901 1286.82523 -64.5 10.				34.0 43.1 39.5	
4 -11.103 -12.164 1356.84625 -67.9 11.		20,99223		35.9 38.1 35.7 32.2 45.0 43.2	
5 -14-183 -11-219 1397-46199 -61-0 14-		22.79674		32.2 48.4 43.5	
6 -14.103 -15.201 1321.18643 +56.9 12.		21.54651	0.748 -93.5 73.1	36.0 41.7 35.6	116.98231 5- 6
7 -11.192 -15.901 1286.82523 -64.5 10.	82.5 26.4	20.99223	0.788 -88.3 72.2	35.9 38.1 35.7	90.58908 6- 7
8 -10.042 -17.799 1248.99355 -66.2 8.		20.31513	C.836 -86.2 70.2	2 37.8 33.6 32.0	66.36130 7-8
9 -9.894 -14.402 1307.03110 -69.7 10.		21.29633		34.1 40.3 39.1	101.43905 8- 9
10 -9.734 -10.429 1386.98500 -72.4 11. 11 -12.612 -9.520 1421.72609 -66.0 13.		23.16476		30.4 47.6 46.9 30.3 50.3 47.5	
12 -16.033 -8.181 1478.26527 -59.6 16.			C.584 -97.2 80.0		
13 -15.800 -12.777 1381.78621 -55.7 14.		22.50353		34.3 47.2 39.3	
14 -15.651 -16.584 1313.60512 -50.9 12.		21.33345	0.759 -95.9 71.9	38.0 40.9 31.5	111.08587 13-14
15 -12.62/ -17.29C 1273.82074 -58.3 10.	5 -83.2 29.7	20.75525		37.8 36.6 32.1	
16 -10.042 -17.799 1248.99355 -66.2 8.	81.6 25.6	20.31513	0.836 -86.2 70.2	37.8 33.6 32.0	79.75588 15-16
	T45 NO				
JULY 31,1964 13 HR 17 MIN 16 SEC 871 MS	IAB NO	101	ATLAS PHOTO NO	101 POD	SEQUENCE NO 205_
TRAJECTORY DATA	SEC TO IMPACT	AL T	LAT LON	R V	PTH AZ
	511.928	1114.6094	1 -5.626 -31.122	2850.065 2.15	1 -71.301 116.429
PHOTO DATA PT LAT LCN RANGE AZS/C AZ	A 7 5 1181 A 7 A		0.44 4.700.4.7 44.6.0		
PT LAT LCN RANGE AZS/C AZ 2 -12.593 -13.784 1323.61034 -62.6 12.	N AZ 30N AZ A	A*	0.731 -90.9 74.3	HAZ EPIS ALPHA	SCALE PT-PT 0. 1- 2
3 -11.191 -15.933 1275.27882 -64.5 10.		20-80388	0.788 -88.3 72.1	, 34.0 43.0 34.4   35.9 38.1 35.6	76.55980 2- 3
4 -11.103 -12.232 1344.53697 -67.9 11.0		21.92747	0.709 -88.1 75.7	32.2 44.9 43.1	
5 -14.155 -11.299 1384.68776 -61.0 14.		22.58836	0.665 -93.8 76.9	32.2 48.4 43.4	96.46787 4- 5
6 -14.076 -15.241 1309.27844 -57.0 12.		21.35233		1 36.0 41.6 35.5	
7 -11.191 -15.933 1275.27882 -64.5 10.					
8 -10.051 -17.813 1237.81541 -66.2 8. 9 -9.905 -14.448 1295.26190 -69.7 10.		20.13332		37.8 33.6 32.0	
10 -9.746 -10.516 1374.79800 -72.3 11.		21.10459		5 34.1 40.2   39.1 3 30.4 47.5   46.8	
11 -12.598 -9.618 1408.64389 -65.9 13.		22.95162		30.3 50.2 47.4	
12 -15.986 -8.299 1464.43971 -59.6 16.		23.80942		30.6 54.3 47.8	
13 -15.756 -12.843 1369.18962 -55.7 14.		22.29843	0.682 -96.5 75.5	34.3 47.1 39.2	132.56271 12-13
14 -15.609 +16.612 1301.75633 -50.9 12.		21.14109	0.759 -95.9 71.9	38.0 40.9 31.5	109.99869 13-14
15 -12.614 -17.309 1262.40466 -58.3 10.		20.56924		37.8 36.6 32.0	
16 -10.051 -17.813 1237.81541 -66.2 8.	8 -81.5 25.6	20.13332	0.836 -86.2 70.2	2 37.8 33.6 32.0	79.03656 15-16
JULY 31,1964 13 HR 17 MIN 21 SEC 991 MS	TAB NO	102	ATLAS PHOTO NO	102 POD	SEQUENCE NO 207
TRAJECTORY DATA	SEC TO IMPACT			R V	
PHOTO DATA	506.808		LAT LCN C -5.657 -31.058		PTH AZ 4 -71.255 116.421
	N AZSUN AZA	A •	B/A AZPHAZ INCE	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.579 -13.837 1311.54951 -62.6 12.				3 34.0 43.0 39.3	
3 -11.190 -15.965 1263.72861 -64.5 10.		20.61546	0.788 -88.3 72.1	1 35.9 38.0 35.6	75.81902 2- 3
4 -11.102 -12.300 1332.22981 -67.9 11.		21.72678		7 32.2 44.9 43.0	
5 -14.126 -11.379 1371.91988 -61.0 14.		22.380CB		32.2 48.3 43.3	
6 -14.049 -15.280 1297.36900 -57.0 12. 7 -11.190 -15.965 1263.72861 -64.5 10.		21.15812		0 36.0 41.6 35.5 1 35.9 36.0 35.6	
8 -10.061 -17.827 1226.63123 -66.2 8.				2 37.8 33.6 32.0	
9 -9.915 -14.494 1283.49057 -69.7 10.			0.765 -85.8 73.4	4 34.1 40.2 39.0	99.53917 8- 9
10 -9.759 -10.601 1361.61687 -72.3 11.		22.12279	0.679 -85.4 77.3	3 30.4 47.4 46.7	116.25567 9-10
11 -12.583 -9.715 1395.57155 -65.9 13.	5 -85.2 25.2	22.73864	0.642 -91.0 78.3	3 30.3 50.1 47.3	89.52387 10-11
12 -15.939 -8.415 1450.63319 -59.6 16.			C.586 -97.2 79.8	e 30.6 54.2 47.7	108.54463 11-12
13 -15.713 -12.908 1356.59737 -55.8 14.				5 34.3 47.0 39.1	
14 -15.567 -16.639 1289.90547 -51.0 12. 15 -12.600 -17.328 1250.98383 -58.3 10.		20.94870			108-91560 13-14
15 -12.600 -17.328 1250.98383 -58.3 10. 16 -10.061 -17.827 1226.63123 -66.2 8.			0.805 -90.8 7C.9 0.836 -86.2 70.2	9 37.8 36.6 32.0	
	. 0	********	0.03C -00.Z 10.Z	0 33.0 32.0	10.31142 13-10

	RH-VII CHMERA	re	35
JULY 31,1964 13 HR 17 MIN 27 SEC 111 MS	TAB NO	103 ATLAS PHOTO NO	103 POD SEQUENCE NO 209
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN	R V PTH AZ
NUOTO DATA	501.689	1093.71863 -5.689 -30.993	2829.174 2.157 -71.208 116.412
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZ SUN AZ A	A* B/A AZPHAZ INC	D PHAZ EMIS ALPHA SCALE PT-PT
2 -12.566 -13.890 1299.47087 -62.6 12.0			D PHAZ EMIS ALPHA SCALE PT-PT 2 34.0 42.9 39.3 0. 1-2
3 -11.189 -15.997 1252.16017 -64.4 10.2			1 35.9 38.0 35.6 75.07790 2- 3
4 -11.102 -12.369 1319.90555 -67.8 11.6			6 32.2 44.8 43.0 107.84614 3- 4
5 -14.097 -11.459 1359.13605 -61.0 14.1		22.17154 0.667 -93.8 76.	7 32.2 48.2 43.2 94.61801 4-5
6 -14.021 -15.320 1285.44165 -57.0 12.3		20.96362 0.749 -93.5 73.	0 36.0 41.5 35.5 113.46669 5- 6
7 -11.189 -15.997 1252.16017 -64.4 10.2			1 35.9 38.0 35.6 88.08538 6- 7
8 -10.070 -17.841 1215.42914 -66.2 8.8 9 -9.926 -14.539 1271.70137 -69.7 10.0			2 37.9 33.6 31.9 64.52834 7-8
9 -9.926 -14.539 1271.70137 -69.7 10.0 10 -9.771 -10.687 1348.92015 -72.3 11.1			4 34.1 40.1 39.0 98.58935 8- 9 2 30.4 47.3 46.6 115.05536 9-10
11 -12.569 -9.812 1382.48474 -65.9 13.5			2 30.3 50.1 47.2 88.65908 10-11
12 -15.891 -8.532 1436.81657 -59.6 16.6			7 30.6 54.0 47.5 107.41222 11-12
13 -15.669 -12.973 1343.98885 -55.8 14.6			4 34.3 46.9 39.1 129.62649 12-13
14 -15.525 -16.666 1278.03705 -51.0 12.6			8 38.0 40.8 31.5 107.83251 13-14
15 -12.586 -17.347 1239.54482 -58.3 10.5			9 37.8 36.6 32.0 91.25642 14-15
16 -10.070 -17.841 1215.42914 -66.2 8.8	-81.5 25.6	19.76921 0.837 -86.2 70.	2 37.9 33.6 31.9 77.59704 15-16
JULY 31,1964 13 HR 17 MIN 32 SEC 231 MS	TAB NO	104 ATLAS PHOTO NO	104 POD SEQUENCE NO 211
JULY 31,1704 13 RK 17 MIN 32 3EC 231 M3			
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
		1083.2561C -5.722 -30.926	
PHUTU DATA			
PT LAT LON RANGE AZS/C AZN	AZ SUN AZ A	A. H/A AZPHAZ INC	U PHAZ EPIS ALPHA GCALC PT PT
2 -12.552 -13.945 1287.34076 -62.6 12.0			2 34.0 42.8 39.2 0. 1-2
3 -11.188 -16.030 1240.54555 -64.4 10.2			0 35.9 38.0 35.5 74.33178 2- 3
4 -11.102 -12.439 1307.52495 -67.8 11.5 5 -14.069 -11.541 1346.29506 -61.0 14.0			5 32.2 44.7 42.9 106.75563 3- 4
6 -13.994 -15.362 1273.46748 -57.0 12.3			6 32.2 48.1 43.1 93.68935 4- 5 9 36.0 41.5 35.4 112.28789 5- 6
7 -11.188 -16.030 1240.54555 -64.4 10.2			0 35.9 38.0 35.5 87.24740 6- 7
8 -10.080 -17.857 1204.18547 -66.2 8.8		19.58634 C.837 -86.2 70.	2 37.9 33.6 31.9 63.91309 7-8
9 -9.937 -14.587 1259.86157 -69.6 10.0	-81.8 23.5	20.52787 0.767 -85.8 73.	4 34.1 40.1 38.9 97.63197 8- 9
10 -9.783 -10.776 1336.16193 -72.3 11.1			1 30.4 47.3 46.5 113.84520 9-10
11 -12.555 -9.911 1369.33536 -65.9 13.5			1 30.3 49.9 47.1 87.79039 10-11
12 -15.844 -8.650 1422.93733 -59.6 16.6			6 30.6 53.9 47.4 106.27666 11-12
13 -15.625 -13.040 1331.32838 -55.8 14.5 14 -15.484 -16.695 1266.12640 -51.0 12.5			3 34.3 46.8 39.0 128.15065 12-13 8 38.0 40.7 31.4 106.74121 13-14
15 -12.572 -17.368 1228.06375 -58.3 10.4		20.00972 0.805 -90.8 70.	8 38.0 40.7 31.4 106.74121 13-14 9 37.8 36.5 32.0 90.37790 14-15
16 -10.080 -17.857 1204.18547 -66.2 8.8		19.58634 0.837 -86.2 70.	2 37.9 33.6 31.9 76.87435 15-16
200000 200000 2000000000000000000000000	0113 2310	17170031 01031 0012 101	2 3147 3340 3147 10401433 13-10
	TAB NO	105 ATLAS PHOTO NO	
JULY 31,1964 13 HR 17 MIN 37 SEC 351 MS			105 POD SEQUENCE NO 213
			105 POD SEQUENCE NO 213
TO A SECTION VICTOR		47	
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R VPTHAZ
	SEC TO IMPACT	47	R VPTHAZ
PHOTO DATA	SEC TO IMPACT 491.449	ALT LAT LON 1072.78186 -5.754 -30.863	R V PTH AZ 2808-237 2-163 -71-114 116-395
PHOTO DATA PT LAT LON RANGE AZS/C AZN	SEC TO IMPACT 491.449	ALT LAT LON 1072.78186 -5.754 -30.863 A* B/A AZPHAZ INC	R V PTH AZ 2808.237 2.163 -71.114 116.395 D PHAZ EMIS ALPHA SCALE PT-PT
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12-538 -14-002 1275-17708 -62-6 11-9 3 -11-188 -16-065 1228-89948 -64-4 10-2	SEC TO IMPACT 491.449 AZSUN AZA -84.0 27.4	ALT LAT LON 1072.78186 -5.754 -30.863 A* B/A AZPHAZ INC 20.82454 0.734 -90.9 74.	R V PTH AZ 2808.237 2.163 -71.114 116.395 D PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.538 -14.002 1275.17708 -62.6 11.9 3 -11.188 -16.065 1228.89948 -64.4 10.2 4 -11.102 -12.511 1295.10901 -67.8 11.5	SEC TO IMPACT 491.449 AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3	ALT LAT LON 1072.78186 -5.754 -30.863 A= B/A AZPHAZ INC 20.82454 0.734 -90.9 74. 20.04729 0.790 -88.3 72. 21.12145 0.712 -88.1 75.	R V PTH AZ 2808.237 2.163 -71.114 116.395  D PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2 0 35.9 37.9 35.5 73.58317 2-3 5 32.2 44.7 42.8 105.66112 3-4
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.538 -14.002 1275.17708 -62.6 11.9 3 -11.188 -16.065 1228.89948 -64.4 10.2 4 -11.102 -12.511 1295.10901 -67.8 11.5 5 -14.040 -11.624 1333.41904 -61.0 14.0	AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4	ALT LAT LON 1072.78186 -5.754 -30.861 A= B/A AZPHAZ IN 20.82454 0.734 -90.9 74, 20.04729 0.790 -88.3 72. 21.12145 0.712 -88.1 75. 21.75203 0.670 -93.8 76.	R V PTH AZ 2808.237 2.163 -71.114 116.395  D PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2 0 35.9 37.9 35.5 73.58317 2-3 5 32.2 44.7 42.8 105.66112 3-4 6 32.2 48.0 43.0 92.75894 4-5
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.538 -14.002 1275.17708 -62.6 11.9 3 -11.188 -16.065 1228.89948 -64.4 10.2 4 -11.102 -12.511 1295.10901 -67.8 11.5 5 -14.040 -11.624 1333.41904 -61.0 14.0 6 -13.967 -15.404 1261.46181 -57.0 12.3	AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4 -84.7 30.6	ALT LAT LON 1072-78186 -5.754 -30.863 A= B/A AZPHAZ IN 20.82454 0.734 -90.9 74. 20.04729 0.790 -88.3 72. 21.12145 0.712 -88.1 75. 21.75203 0.670 -93.8 76. 20.57258 0.751 -93.5 76.	R V PTH AZ 2808.237 2.163 -71.114 116.395  D PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2 0 35.9 37.9 35.5 73.58317 2-3 5 32.2 44.7 42.8 105.66112 3-4 6 32.2 48.0 43.0 92.75894 4-5 9 36.0 41.4 35.4 111.10530, 5-6
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.538 -14.002 1275.17708 -62.6 11.9 3 -11.188 -16.065 1228.89948 -64.4 10.2 4 -11.102 -12.511 1295.10901 -67.8 11.5 5 -14.040 -11.624 1333.41904 -61.0 14.0 6 -13.967 -15.404 1261.46181 -57.0 12.3 7 -11.188 -16.065 1228.89948 -44.4 10.2	SEC TO IMPACT 491.449  AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4 -84.7 30.6 -82.5 26.4	ALT LAT LON 1072.78186 -5.754 -30.863 20.8245 0.734 -90.9 74. 20.04729 0.790 -88.3 72. 21.12145 0.712 -88.1 75. 21.75203 0.670 -93.8 76. 20.57258 0.751 -93.5 72. 20.04729 0.790 -88.3 72.	R V PTH AZ 2808.237 2.163 -71.114 116.395 D PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2 0 35.9 37.9 35.5 73.58317 2-3 5 32.2 44.7 42.8 105.66112 3-4 6 32.2 48.0 43.0 92.75894 4-5 9 36.0 41.4 35.4 111.10530 5-6 0 35.9 37.9 35.5 86.40766 6-7
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12-538 -14-002 1275-11708 -62-6 11.9 3 -11.188 -16.065 1228-89948 -64-4 10.2 4 -11.102 -12-511 1295-10901 -67.8 11.5 5 -14-040 -11.624 1333-41904 -61.0 14-0 6 -13.967 -15-404 1261-46181 -57.0 12.3 7 -11.188 -16.065 1228-89948 -64-4 10.2 8 -10.090 -17-874 1192-91264 -66-1 8.8	SEC TO IMPACT 491.449  AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4 -84.7 30.6 -82.5 26.4 -81.5 25.7	ALT LAT LON 1072.78186 -5.754 -30.862 A. B/A AZPHAZ IN 20.82454 0.734 -90.9 74. 20.04729 0.790 -88.3 72. 21.12145 0.712 -88.1 75. 21.7520 0.670 -93.8 76. 20.57258 0.751 -93.5 72. 20.04729 0.790 -88.3 72. 19.40299 0.897 -88.3 72. 19.40299 0.897 -88.6.2 70.	R V PTH AZ 2808.237 2.163 -71.114 116.395  D PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2 0 35.9 37.9 35.5 73.58317 2-3 5 32.2 44.7 42.8 105.66112 3-4 6 32.2 48.0 43.0 92.75894 4-5 9 36.0 41.4 35.4 111.10530 5-6 0 35.9 37.9 35.5 86.40766 6-7 1 37.9 33.5 31.9 63.29544 7-8
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.538 -14.002 1275.17708 -62.6 11.9 3 -11.188 -16.065 1228.89948 -64.4 10.2 4 -11.102 -12.511 1297.10901 -67.8 11.5 5 -14.040 -11.624 1333.41904 -61.0 14.0 6 -13.967 -15.404 1261.46181 -57.0 12.3 7 -11.188 -16.065 1228.89948 -64.4 10.2 8 -10.090 -17.874 1192.91264 -66.1 8.8 9 -9.948 -14.636 1247.98849 -69.5 10.6	SEC TO IMPACT 491.449  AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4 -84.7 30.6 -82.5 26.4 -81.5 25.7 -81.8 23.5	ALT LAT LON 1072.78186 -5.754 -30.862 1072.92454 0.734 -90.9 74. 20.04729 0.790 -88.3 72. 21.12145 0.712 -88.1 75. 21.75203 0.670 -93.8 76. 20.57258 0.751 -93.5 72. 20.04729 0.790 -88.3 72. 19.40299 0.837 -86.2 70. 20.3444 0.767 -85.8 73.	R V PTH AZ 2808.237 2.163 -71.114 116.395 D PHAZ EMIS ALPHA CALL PT PT 1 34.0 42.8 39.2 0. 1-2 0 35.9 37.9 35.5 73.58317 2-3 53.2 44.7 42.8 105.66112 3-4 6 32.2 48.0 43.0 92.75894 4-5 9 36.0 41.4 35.4 111.10530 5-6 0 35.9 37.9 35.5 86.40766 6-7 1 37.9 33.5 31.9 63.29544 7-8 3 34.1 40.0 38.9 96.67061 8-9
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.538 -14.002 1275.17708 -62.6 11.9 3 -11.188 -16.065 1228.89948 -64.4 10.2 4 -11.102 -12.511 1295.10901 -67.8 11.5 5 -14.040 -11.624 1333.41904 -61.0 14.0 6 -13.967 -15.404 1261.46181 -57.0 12.3 7 -11.188 -16.065 1228.89948 -64.4 10.2 8 -10.090 -17.874 1192.91264 -66.1 8.8 9 -9.948 -14.636 1247.98849 -69.6 10.0 10 -9.796 -10.865 1323.36688 -72.2 11.	AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4 -84.7 30.6 -82.5 26.4 -81.5 25.7 -81.8 23.5 -82.1 21.3	ALT LAT LON 1072.78186 -5.754 -30.861   A	R V PTH AZ 2808.237 2.163 -71.114 116.395  D PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2 0 35.9 37.9 35.5 73.58317 2-3 5 32.2 44.7 42.8 105.66112 3-4 6 32.2 48.0 43.0 92.75894 4-5 9 36.0 41.4 35.4 111.10530, 5-6 0 35.9 37.9 35.5 86.40766 6-7 1 37.9 33.5 31.9 63.29544 7-8 3 34.1 40.0 38.9 96.67061 8-9 0 30.4 47.2 46.4 112.63116 9-10
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.538 -14.002 1275.17708 -62.6 11.9 3 -11.188 -16.065 1228.89948 -64.4 10.2 4 -11.102 -12.511 1295.10901 -67.8 11.5 5 -14.040 -11.624 1333.41904 -61.0 14.0 6 -13.967 -15.404 1261.46181 -57.0 12.3 7 -11.188 -16.065 1228.89948 -64.4 10.2 8 -10.090 -17.874 1192.91264 -66.1 8.8 9 -9.948 -14.636 1247.98849 -69.6 10.0 10 -9.796 -10.865 1323.36688 -72.2 11.1 11 -12.541 -10.011 1356.14925 -65.9 13.5	AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4 -84.7 30.6 -82.5 26.4 -81.5 25.7 -81.8 23.5 -82.1 21.3 -85.1 25.2	ALT LAT LON 1072.78186 -5.754 -30.863  A** B/A AZPHAZ INC 20.82454 0.734 -90.9 74. 20.04729 0.790 -88.3 72. 21.12145 0.712 -88.1 75. 21.75203 0.670 -93.8 76. 20.57258 0.751 -93.5 72. 20.04729 0.790 -88.3 72. 20.04729 0.837 -86.2 70. 20.33444 0.767 -85.8 73. 21.50158 0.682 -85.4 77. 22.09635 0.646 -91.0 78.	R V PTH AZ 2808.237 2.163 -71.114 116.395  D PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2 0. 35.9 37.9 35.5 73.58317 2-3 5.22 44.7 42.8 105.66112 3-4 6 32.2 48.0 43.0 92.75894 4-5 9 36.0 41.4 35.4 111.10530, 5-6 0 35.9 37.9 35.5 86.40766 6-7 1 37.9 33.5 31.9 63.29544 7-8 3 34.1 40.0 38.9 96.67061 8-9 0 30.4 47.2 46.4 112.63116 9-10 0 30.3 49.8 47.0 86.91992 10-11
PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -12-538 -14-002 1275-17708 -62-6 11.9 3 -11.188 -16-065 1228-89948 -64-4 10.2 4 -11.102 -12-511 1295-10901 -67-8 11.5 5 -14-040 -11.624 1333-41904 -61.0 14-0 6 -13.967 -15-404 1261-46181 -57-0 12.3 7 -11.188 -16-065 1228-89948 -64-4 10.2 8 -10.090 -17-874 1192-91264 -66-1 8.8 9 -9.948 -14-636 1247-98849 -69-6 10.0 10 -9-796 -10-865 1323-36688 -72-2 11.1 11 -12.541 -10-011 1356-14925 -65-9 13-5 12 -15-797 -8-770 1409-02390 -59-6 16-5 13 -15-582 -13-109 1318-63501 -55-8 14-5	SEC TO IMPACT 491.449  AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4 -84.7 30.6 -82.5 26.4 -81.5 25.7 -81.8 23.5 -82.1 21.3 -85.1 25.2 -89.0 29.5 -86.7 31.7	ALT LAT LON 1072.78186 -5.754 -30.863    A** B/A AZPHAZ INC 20.82454 0.734 -90.9 74   20.04729 0.790 -88.3 72   21.12145 0.712 -88.1 75   21.75203 0.670 -93.8 76   20.57258 0.751 -93.5 72   20.04729 0.790 -88.3 72   20.04729 0.790 -88.3 72   19.40299 0.837 -86.2 70   20.33444 0.767 -85.8 73   21.50158 0.682 -85.4 77   22.90635 0.644 -91.0 78   22.90635 0.644 -91.0 78   22.90635 0.645 -91.0 78   22.90851 0.593 -97.2 79   21.47528 0.687 -96.5 75	R V PTH AZ 2808.237 2.163 -71.114 116.395 0 PHAZ EMIS ALPHA SCALE PT-PT 1 34.0 42.8 39.2 0. 1-2 0 35.9 37.9 35.5 73.58317 2-3 5 32.2 44.7 42.8 105.66112 3-4 6 32.2 48.0 43.0 92.75894 4-5 9 36.0 41.4 35.4 111.10530 5-6 0 35.9 37.9 35.5 86.40766 6-7 1 37.9 33.5 31.9 63.29544 7-8 9 34.1 40.0 38.9 96.67061 8-9 0 30.3 49.8 47.0 86.91992 10-11 4 30.6 53.8 47.3 105.14051 11-12 3 34.3 46.8 38.9 126.67289 12-13
PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 - 12.538 - 14.002 1275.17708 - 62.6 11.9 3 - 11.188 - 16.065 1228.89948 - 64.4 10.2 4 - 11.102 - 12.511 1295.10901 - 67.8 11.5 5 - 14.040 - 11.624 1333.41904 - 61.0 14.0 6 - 13.967 - 15.404 1261.46181 - 57.0 12.3 7 - 11.188 - 16.065 1228.89948 - 64.4 10.2 8 - 10.090 - 17.874 1192.91264 - 66.1 8.8 9 - 9.946 - 14.636 1247.9849 - 69.6 10.6 10 - 9.796 - 10.865 1323.36688 - 72.2 11.1 11 - 12.541 - 10.011 1356.14925 - 65.9 13.5 12 - 15.797 - 8.770 1409.02390 - 59.6 16.5 13 - 15.582 - 13.109 1318.63501 - 55.8 14.5	AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 24.3 -86.0 28.4 -84.7 30.6 -82.5 26.4 -81.5 25.7 -81.8 23.5 -82.1 21.3 -85.1 25.2 -89.0 29.5 -86.7 31.7 -85.2 31.9	ALT LAT LON 1072,78186 -5.754 -30.863   20.82456 0.734 -90.9 74   20.04729 0.790 -88.3 72   21.12145 0.712 -88.1 75   21.75203 0.670 -93.8 76   20.57258 0.751 -93.5 72   20.04729 0.790 -88.3 72   21.57528 0.751 -93.5 72   20.04729 0.790 -88.3 72   19.40299 0.837 -86.2 70   20.33444 0.767 -85.8 73   21.50158 0.682 -85.4 77   22.09635 0.646 -91.0 78   22.90851 0.593 -97.2 79   21.47528 0.687 -96.5 75   20.36484 0.767 -96.5 75   20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75   20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 70    20.36881 0.769 -96.5 70    20.36881 0.769 -96.5 70    20.36881 0.769 -96.5 70    20.36881	R 2808.237 2.163 -71.114 116.395  D PHAZ EMIS ALPHA 134.0 42.8 39.2  0.35.9 37.9 35.5 73.58317 2-3  32.2 44.7 42.8 105.66112 3-4  6 32.2 48.0 43.0 92.75894 4-5  9 36.0 41.4 35.4 111.10530 5-6  0 35.9 37.9 35.5 86.40766 6-7  1 37.9 33.5 31.9 63.29544 7-8  3 44.1 40.0 38.9 96.67061 8-9  0 30.4 47.2 46.4 112.63116 9-10  0 30.3 49.8 47.0 86.91992 10-11  4 30.6 53.8 47.3 105.14051 11-12  3 34.3 46.8 38.9 126.67289 12-13  3 38.0 40.7 31.4 105.64610 13-14
PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -12-538 -14-002 1275-17708 -62-6 11.9 3 -11.188 -16-065 1228-89948 -64-4 10.2 4 -11.102 -12-511 1295-10901 -67-8 11.5 5 -14-040 -11.624 1333-41904 -61.0 14-0 6 -13.967 -15-404 1261-46181 -57-0 12.3 7 -11.188 -16-065 1228-89948 -64-4 10.2 8 -10.090 -17-874 1192-91264 -66-1 8.8 9 -9.948 -14-636 1247-98849 -69-6 10.0 10 -9-796 -10-865 1323-36688 -72-2 11.1 11 -12.541 -10-011 1356-14925 -65-9 13-5 12 -15-797 -8-770 1409-02390 -59-6 16-5 13 -15-582 -13-109 1318-63501 -55-8 14-5	AZSUN AZA -84.0 27.4 -82.5 26.4 -83.1 26.3 -84.7 30.6 -82.5 26.4 -81.5 25.7 -81.8 23.5 -82.1 21.3 -85.1 25.2 -89.0 29.5 -80.7 31.7 -85.2 31.9 -85.2 32.9 -85.2 32.9	ALT LAT LON 1072,78186 -5.754 -30.863   20.82456 0.734 -90.9 74   20.04729 0.790 -88.3 72   21.12145 0.712 -88.1 75   21.75203 0.670 -93.8 76   20.57258 0.751 -93.5 72   20.04729 0.790 -88.3 72   21.57528 0.751 -93.5 72   20.04729 0.790 -88.3 72   19.40299 0.837 -86.2 70   20.33444 0.767 -85.8 73   21.50158 0.682 -85.4 77   22.09635 0.646 -91.0 78   22.90851 0.593 -97.2 79   21.47528 0.687 -96.5 75   20.36484 0.767 -96.5 75   20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75   20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 75    20.36881 0.769 -96.5 70    20.36881 0.769 -96.5 70    20.36881 0.769 -96.5 70    20.36881 0.769 -96.5 70    20.36881	R 2808.237 2.163 -71.114 116.395  D PHAZ EMIS ALPHA 35.04

JULY 31,1964 13 HR 17 MIN 42 SEC 471 MS	TAB NO	106	ATLAS PHOTO NO	106 POD	SEQUENCE NO 215
TRAJECTORY DATA	SEC TO IMPACT		LAT LON 7 -5.787 -30.796	R V	PTH AZ -71.067 116.386
PHOTO DATA		1002.2961	1 -3.101 -30.190	2197.731 2.100	-11.001 110.300
PT LAT LON RANGE AZS/C AZN		Α+	B/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.525 -14.058 1262.99670 -62.6 11.9				1 34.0 42.7 39.1	0. 1-2
3 -11.187 -16.100 1217.23601 -64.4 10.2		19.85702	0.790 -88.3 72.0	35.9 37.9 35.4	72.83446 2- 3
4 -11.102 -12.582 1282.67723 -67.8 11.5		20.91872		32.2 44.6 42.8	104.56683 3- 4
	-86.0 28.4 -84.6 30.6	21.54175	0.671 -93.8 76.5 0.751 -93.5 72.9	32.3 47.9 42.9	91.82798 4- 5
6 -13.939 -15.447 1249.43907 -57.0 12.2 7 -11.187 -16.100 1217.23601 -64.4 10.2		20.37653	0.790 -88.3 72.0	36.0 41.4 35.3	85.56695 6- 7
8 -10.099 -17.891 1181.62250 -66.1 8.8			0.837 -86.2 70.1		62.67716 7- 8
	-81.8 23.5		0.768 -85.8 73.3		95.70868 A- 9
10 -9.808 -10.955 1310.55797 -72-2 11.1		21.29355	0.684 -85.4 76.9	30.4 47.1 46.3	
11 -12.526 -10.112 1342.95050 -65.9 13.4	-85.0 25.3	21.88131	0.648 -91.0 77.9	30.3 49.7 46.9	86.04906 10-11
12 -15.749 -8.890 1395.10254 -59.6 16.4	-88.9 29.5	22.68219	0.595 -97.2 79.5	3 30.6 53.7 47.1	104.00671 11-12
13 -15.538 -13.177 1305.92654 -55.8 14.4	-86.7 31.6			34.3 46.7 38.8	125.20009 12-13
14 -15.400 -16.756 1242.22974 -51.1 12.5			0.762 -95.9 71.7		
15 -12.545 -17.412 1205.02509 -58.3 10.4				37.8 36.5 31.9	88.61725 14-15
16 -10.099 -17.891 1181.62250 -66.1 8.8			0.837 -86.2 70.1		75.42410 15-16
JULY 31,1964 13 HR 17 MIN 47 SEC 590 MS	TAB NO	0 107	ATLAS PHOTO NO	107 POD	SEQUENCE NO 217_
TRAJECTORY DATA	SEC TO IMPACT		LAT LON 1 -5.819 -3C.730		PTH AZ
PHOTO DATA					
PT LAT LON RANGE AZS/C AZN 2 -12.511 -14.114 1250.81198 -62.6 11.9	AZ ŞUN AZ A	A •	B/A AZPHAZ INCI	D PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.511 -14.114 1250.81198 -62.6 11.9	-83.9 27.4	20.42664	0.735 -90.9 74.0	0 34.0 42.7 39.0	0. I- 2
3 -11.186 -16.134 1205.56531 -64.4 10.2 4 -11.102 -12.653 1270.24380 -67.7 11.5	-82.5 26.5	19.66664	C.79C -88.3 71.9	9 35.9 37.9 35.4	72.08751 2- 3
4 -11.102 -12.653 1270.24380 -67.7 11.5	-83.1 24.3	20.71597	0.714 -88.1 75.3	3 32.2 44.5 42.7	103.47592 3- 4
5 -13.982 -11.790 1307.63913 -61.0 13.9 6 -13.912 -15.489 1237.41032 -57.0 12.2	-85.9 28.4	21.33149	0.672 -93.8 76.4 0.752 -93.5 72.6	9 32.3 47.8 42.9	100 74400 5- 4
7 -11.186 -16.134 1205.56531 -64.4 10.2			0.790 -88.3 71.9		
8 -10.109 -17.908 1170.32350 -66.1 8.8			0.837 -86.2 70.1		
9 -9.970 -14.734 1224.20346 -69.5 10.0		19.94695	0.768 -85.8 73.2	2 34.1 39.9 38.8	94.74848 8- 9
10 -9.821 -11.043 1297.75134 -72.1 11.1	-82.1 21.5	21.08555	0.685 -85.4 76.8	8 30.4 47.0 46.2	110.21117 9-10
11 -12.512 -10.212 1329.75665 -65.9 13.4	-85.0 25.3	21.66635	0.649 -91.0 77.8	8 30.3 49.6 46.8	85.17954 10-11
12 -15.702 -9.009 1381.19295 -59.6 16.4		22.45605	0.597 -97.2 79.2	2 30.6 53.5 47.0	102.87698 11-12
13 -15.494 -13.245 1293.21677 -55.8 14.4	-86.7 31.6	21.06140	0.689 -96.5 75.1	1 34.3 46.6 38.8	123.73733 12-13
14 -15.358 -16.785 1230.26596 -51.1 12.4		19.98047	0.763 -95.9 71.	7 38.0 40.6 31.3	103.46013 13-14
15 -12.531 -17.434 1193.48842 -58.3 10.4		19.44638		8 37.8 36.4 31.9	87.73693 14-15 74.69808 15-16
16 -10.109 -17.908 1170.32350 -66.1 8.8	-81.5 25.7	19.03558	0.837 -86.2 70.1	1 37.9 33.5 31.9	14.69808 13-16
JULY 31,1964 13 HR 17 MIN 52 SEC 710 MS	TAB NO	108		108 POD	SEQUENCE NO 219
3021 3141704 15 th 11 th 12 32 323 110 th					
TRAJECTORY DATA	SEC TO IMPACT		LAT LCN 6 -5.853 +30.663		PTH AZ 2 -70.971 116.368
PHOTO DATA					
PT LAT LON RANGE AZS/C AZN	I AZSUN AZA			D PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.497 -14.169 1238.61470 -62.6 11.9	-83.9 27.4	20,22745	0.736 -90.9 74.	0 34.1 42.6 39.0	0. 1-2
3 -11.185 -16.168 1193.88063 -64.4 10.2			C.791 -88.3 71.9		
4 -11.102 -12.724 1257.79927 -67.7 11.5				3 32.2 44.5 42.6	
5 -13.954 -11.873 1294.74043 -61.0 13.9 6 -13.884 -15.531 1225.36821 -57.0 12.2			0.673 -93.8 76.1 0.752 -93.5 72.1		
7 -11.185 -16.168 1193.88063 -64.4 10.2			0.791 -88.3 71.		
8 -10.119 -17.924 1159.01003 -66.1 B.8			0.837 -86.2 70.		61.44167 7-8
9 -9.981 -14.782 1212.29532 -69.5 10.0			0.769 -85.8 73.	2 34.2 39.9 38.7	
10 -9.833 -11.132 1284.93617 -72.1 11.1	-82.1 21.5			8 30.4 46.9 46.1	109.00639 9-10
11 -12.498 -10.311 1316.55589 -65.8 13.4	-85.0 25.3	21.45127		7 30.3 49.5 46.7	84.31017 10-11
12 -15.654 -9.127 1367.28177 -59.6 16.3			0.599 -97.2 79.		
	-86.7 31.6	20.85428	C.69C +96.5 75.	0 34.3 46.5 38.7	122.28103 12-13
14 -15.316 -16.815 1218.28859 -51.2 12.4	-85.2 33.8	19.786C2	G.763 -95.9 71.	7 38.0 40.5 31.3	102.37020 13-14
15 -12.517 -17.455 1181.93724 -58.4 10.4	-83.1 29.6	19.25817	0.806 -90.8 70.	8 37.8 36.4 31.9	86.85605 14-15
16 -10.119 -17.924 1159.01003 -66.1 8.8	-81.5 25.7	18.85157	0.837 -86.2 70.	1 37.9 33.5 31.8	73.97119 15-16

		RA-VII CAMER	A FB			37
JULY 31,1964 13 HR 17 MIN 57 SEC 8	10. MC	TAB NO	109	ATLAS PHOTO NO	109 F	POD SEQUENCE NO 221
JULY 31,1964 13 HR 17 MIN 37 SEC 8.	10 m3					
TRAJECTORY DATA		SEC TO IMPACT 470.969	ALT 1030.76825	LAT LCN -5.886 -30.595	R 2766.224 2	V PTH AZ .176 -70.923 116.359
PHOTO DATA						PHA SCALE PT-PT
PT LAT LON RANGE AZS/0 2 -12.483 -14.225 1226.39931 -62.0		AZSUN AZA -83.9 27.4	A* 20.02797	DIM SELLIST THEO	34.1 42.5 3	
3 -11.184 -16.203 1182.17731 -64.		-82.5 26.5	19.28511		35.9 37.8 3	
4 -11.102 -12.795 1245.33752 -67.		-83.0 24.4	20.30982			2.5 101.29678 3- 4
5 -13.925 -11.955 1281.82578 -61.	13.8	-85.9 28.4	20.91040	C.674 -93.8 76.2		2.7 89.03930 4-5
6 -13.856 -15.573 1213.30777 -57.		-84.6 30.5	19.78733			5.2 106.39845 5- 6
7 -11.184 -16.203 1182.17731 -64.		-82.5 26.5	19.28511			5.3 83.04328 6- 7
8 -10.128 -17.941 1147.67807 -66.		-81.5 25.8 -81.8 23.6	18.66726			1.8 60.82306 7-8 8.7 92.82763 8-9
9 -9.992 -14.831 1200.36905 -69. 10 -9.845 -11.221 1272.10558 -72.		-82.1 21.6	20.66903			6.0 107.80278 9-10
11 -12.483 -10.411 1303.34084 -65.		-84.9 25.3	21.23596	0.652 -91.0 77.6		6.6 83.44048 10-11
12 -15.607 -9.245 1353.36063 -59.		-38.7 29.4	22.00358	0.60C -97.2 79.0	30.6 53.3 4	6.7 100.62483 11-12
13 -15.406 -13.380 1267.75964 -55.	14.3	-86.7 31.6	20.64689	C.691 -96.5 75.0		8.6 120.82930 12-13
14 -15.274 -16.845 1206.29315 -51.		-85.2 33.7	19.59127	0.764 -95.9 71.6		1.3 101.28037 13-14
15 -12.503 -17.477 1170.36737 -58.		-83.1 29.6	19.06966			1.8 85.97449 14-15
16 -10.128 -17.941 1147.67807 -66.	8.8	-81.5 25.8	18.66726	0.837 -86.2 70.1	37.9 33.5 3	1.8 73.24318 15-16
JULY 31,1964 13 HR 18 MIN 2 SEC 9	50 MS	TAB NO	110	ATLAS PHOTO NO	110 P	OD SEQUENCE NO 223_
	-					
TRAJECTORY DATA		SEC TO IMPACT		LAT LCN	R	V PTH AZ
		465.849	1020.23541	-5.920 -30.527	2755.691 2	.179 -70.874 116.350
PHOTO DATA PT LAT LON RANGE AZS/	* A7N	AZSIIN AZA	A •	B/A AZPHAZ INCO	DHAT EMIS AL	PHA SCALE FI-FI
2 -12.468 -14.282 1214.14571 -62.	5 11.8	AZSUN AZA -83.9 27.5		0.737 -90.9 73.9	34-1 42-5 3	8.9 0. 1-2
3 -11.183 -16.238 1170.43947 -64.			19.09363		35.9 37.8 3	
4 -11.101 -12.868 1232.83846 -67.		-83.0 24.4	20.10600			2.5 100.20377 3-4
5 -13.895 -12.039 1268.86938 -61.		-85.8 28.4	20.69904	0.676 -93.8 76.1	32.3 47.6 4	2.6 88.10551 4- 5
6 -13.828 -15.616 1201.20860 -57.	1 12.1	-85.8 28.4 -84.6 30.5	20.699C4 19.590C3	0.676 -93.8 76.1 0.754 -93.5 72.7	32.3 47.6 4 36.0 41.2 3	2.6 88.10551 4- 5 5.1 105.22084 5- 6
6 -13.828 -15.616 1201.20860 -57. 7 -11.183 -16.238 1170.43947 -64.	1 12.1	-85.8 28.4 -84.6 30.5 -82.5 26.5	20.69904 19.59003 19.09363	0.676 -93.8 76.1 0.754 -93.5 72.7 0.791 -88.3 71.8	32.3 47.6 4 36.0 41.2 3 35.9 37.8 3	2.6 88.10551 4- 5 5.1 105.22084 5- 6 5.3 82.19737 6- 7
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6 -13.828 -15.616 1201.20860 -57. 7 -11.183 -16.238 1170.43947 -66. 8 -10.137 -17.958 1136.31491 -66. 9 -10.002 -14.881 1188.40868 -69. 10 -9.857 -11.311 1259.23891 -72. 11 -12.468 -10.512 1290.08540 -65. 12 -15.558 -9.365 1339.39546 -59. 13 -15.362 -13.449 1254.98022 -55. 14 -15.231 -16.875 1194.25867 51. 15 -12.488 -17.500 1158.76253 -58. 16 -10.137 -17.752 1136.31491 -66.  JULY 31,1964 13 HR 18 MIN 8 SEC  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/ 2 -12.453 -14.340 1201.86964 -62. 3 -11.181 -16.274 1158.67944 -64. 4 -11.100 -12.940 1220.31779 -67. 5 -13.865 -12.123 1255.89157 -61. 6 -13.7799 -15.660 1189.08667 -57. 7 -11.181 -16.274 1158.67944 -64. 8 -10.146 -17.976 1124.93033 -66. 9 -10.013 -14.931 1176.42662 -69. 10 -9.869 -11.401 1246.35239 -72. 11 -12.453 -10.013 1276.81012 -65. 12 -15.510 -9.484 1325.41328 -59. 13 -15.316 -13.518 1242.17879 -55.	1 12.1 3 10.2 0 8.8 6 10.2 0 1.1 1.1 8 16.2 2 12.3 4 10.3 0 8.8 70 MS  C AZN 5 11.8 3 10.2 7 11.4 1 12.1 1 3 10.2 8 18.8 1 12.1	-85.8 28.4 -84.6 30.5 -81.5 25.8 -81.5 25.8 -81.8 23.7 -82.0 21.6 -84.9 25.4 -88.7 29.4 -86.6 31.5 -85.2 33.7 -83.1 29.6 -81.5 25.8 TAB NC  SEC TO IMPAC 460.729  AZ SUN AZA -83.9 27.5 -82.5 26.5 -83.0 24.4 -85.8 28.4 -84.6 30.5 -82.5 26.5 -81.5 25.8 -81.7 23.7 -84.9 25.4 -84.6 30.5 -84.9 21.7 -84.9 25.4 -86.6 31.5	20.699C4 19.5902 19.09363 18.48244 19.36379 20.466C6 21.02000 21.77654 20.4386 19.39589 18.48244 1111  T ALT 10C9.69C4  A. 19.62738 18.90.179 19.90183 20.48734 19.39236 18.90.179 19.16859 20.25076 20.80371 21.54922 20.23036	0.676 -93.8 76.1 0.754 -93.5 72.7 0.791 -88.3 71.8 0.638 -86.2 70.1 0.688 -85.4 76.6 0.653 -91.0 77.5 0.602 -97.2 78.8 0.692 -96.5 74.9 0.764 -95.9 71.6 0.807 -90.8 70.7 0.38 -86.2 70.1  ATLAS PHOTO NO  LAT LCN 3 -5.953 -30.458 b/A AZPHAZ INCC 0.738 -90.9 73.8 0.792 -88.3 71.8 0.792 -88.3 71.8 0.792 -88.3 71.8 0.792 -88.3 71.8 0.693 -90.9 73.8 0.792 -88.3 71.8 0.693 -90.9 73.8 0.792 -88.3 71.8 0.694 -90.9 73.8 0.694 -90.9 73.8 0.695 -90.9 73.8	32.3 47.6 4 36.0 41.2 3 37.9 37.8 3 37.9 37.8 3 37.9 37.8 3 30.4 46.3 3 38.0 40.4 3 37.8 36.4 3 38.0 40.4 3 37.8 36.4 3 37.9 37.4 3 38.0 40.4 3 37.9 37.4 3 37.9 37.4 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3 37.9 37.7 3	2.6 88.10551 4-5 5.1 105.22084 5-6 5.3 82.19737 6-7 1.8 60.20149 7-8 8.6 91.86345 8-9 5.9 106.59634 9-10 6.5 82.56705 10-11 6.6 99.49573 11-12 8.5 119.37493 12-13 1.2 100.18641 13-14 1.8 85.08892 14-15 1.8 72.51217 15-16  OD SEQUENCE NO 225  V PTH AZ 1.182 -70.825 116.341  PHA SCALE PT-PT 8.8 0. 1-2 5.2 69.09241 2-3 2.4 99.11012 3-4 2.5 87.17063 4-5 5.2 81.35018 6-7 1.8 59.57866 7-8 8.6 90.89805 8-9 5.8 105.39028 9-10 6.4 81.69270 10-11 6.5 98.36720 11-12
6 -13.828 -15.616 1201.20860 -57. 7 -11.183 -16.238 1170.43947 -64. 8 -10.137 -17.958 1136.31491 -66. 9 -10.002 -14.881 1188.40888 -69. 10 -9.857 -11.311 1259.23891 -72. 11 -12.468 -10.512 1290.08540 -65. 12 -15.558 -9.365 1339.39546 -59. 13 -15.362 -13.449 1254.98022 -55. 14 -15.231 -16.875 1194.25867 -51. 15 -12.488 -17.500 1158.76253 -58. 16 -10.137 -17.758 1136.31491 -66.  JULY 31.1964 13 HR 18 MIN 8 SEC  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/ 2 -12.453 -14.340 1201.86964 -62. 3 -11.181 -16.274 1158.67944 -64. 4 -11.100 -12.940 1200.31779 -67. 5 -13.865 -12.123 1255.89157 -61. 6 -13.799 -15.660 189.08667 -57. 7 -11.181 -16.274 1158.67944 -64. 8 -10.146 -17.776 1124.93033 -66. 9 -10.013 -14.931 1176.2662 -69. 10 -9.869 -11.401 1246.35239 -72. 11 -12.453 -10.613 1276.81012 -65. 12 -15.510 -9.484 1325.41328 -59. 13 -15.316 -13.518 1242.17879 -55.	1 12.1 3 19.2 0 8.8 4 10.0 1 1.1 8 13.3 6 16.2 2 12.3 4 10.3 6 16.2 7 11.4 0 8.8 70 MS	-85.8 28.4 -84.6 30.5 -82.5 26.5 -81.5 25.8 -81.8 23.7 -82.0 21.6 -84.9 25.4 -86.6 31.5 25.8 TAB NC  SEC TO IMPAC 460.729  AZ SUN AZA -83.9 27.5 -83.1 29.6 -81.5 25.8 -81.7 23.7 -82.5 26.5 -83.0 24.4 -84.6 30.5 -85.2 21.7 -84.9 25.4 -84.6 30.5 -85.2 21.7 23.7 -84.9 25.4 -86.6 31.5 25.8 -81.7 23.7 -84.9 25.4 -86.6 31.5 29.4 -86.6 31.	20.69904 19.59903 19.09363 18.48244 19.36379 20.46006 21.02000 21.77654 20.43880 19.39589 18.88058 18.48244 1111 1009.6904 A* 19.62738 18.90179 19.90183 20.4873 19.90179 19.90183 20.25076 20.80371 21.54922 20.23036	0.676 - 93.8 76.1 0.754 - 93.5 72.7 0.791 - 88.3 71.8 0.838 - 86.2 70.1 0.782 - 85.4 76.6 0.653 - 91.0 77.5 0.602 - 97.2 78.8 0.692 - 96.5 74.9 0.764 - 95.9 71.6 0.807 - 90.8 70.7 0.838 - 86.2 70.1  ATLAS PHOTO NO  LAT LCN 3 - 5.953 - 3C.458  B/A AZPHAZ INCC 0.732 - 90.9 73.8 0.792 - 88.3 71.6 0.717 - 68.1 75.1 0.717 - 68.1 75.1 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 79.8 76.1 0.718 - 90.9 73.8 0.792 - 88.3 71.6 0.792 - 88.3 71.6 0.792 - 88.3 71.6 0.793 - 96.5 74.6 0.654 - 91.0 77.4 0.693 - 96.5 74.6	32.3 47.6 4 36.0 41.2 3 37.9 37.8 3 37.9 37.8 3 37.9 33.4 3 38.0 40.4 46.7 4 30.6 53.2 4 38.0 40.4 3 37.9 33.4 3 37.9 33.4 3 37.9 33.4 3 37.9 33.4 3 37.9 33.4 3 37.9 33.4 3 37.9 33.4 3 37.9 33.4 3 37.9 33.4 3 37.9 33.4 3	2.6 88.10551 4-5 5.1 105.22084 5-6 5.3 82.19737 6-7 1.8 60.20149 7-8 8.6 91.86345 8-9 5.9 106.59634 9-10 6.5 82.56705 10-11 6.6 99.49573 11-12 8.5 119.37493 12-13 1.2 100.18641 13-14 1.8 85.08892 14-15 1.8 72.51217 15-16  POD SEQUENCE NO 225   V PTH AZ .182 -70.825 116.341  PHA SCALE PT-PT 8.8 0. 1-2 5.2 69.09241 2-3 2.4 99.11012 3-4 2.5 87.17063 4-5 5.1 104.04321 5-6 5.2 81.35018 6-7 1.8 59.57866 7-8 8.6 90.8924 8-9 5.1 105.39028 9-10 6.4 81.69270 10-11 8.5 117.92360 12-13 8.5 117.92360 12-13
6 -13.828 -15.616 1201.20860 -57. 7 -11.183 -16.238 1170.43947 -64. 8 -10.137 -17.958 1136.31491 -66. 9 -10.002 -14.881 1188.40888 -69. 10 -9.857 -11.311 1259.23891 -72. 11 -12.468 -10.512 1290.08540 -65. 12 -15.558 -9.365 1339.39546 -59. 13 -15.362 -13.449 1254.98022 -55. 14 -15.231 -16.875 1194.25867 -51. 15 -12.488 -17.500 1158.76253 -58. 16 -10.137 -17.758 1136.31491 -66.  JULY 31.1964 13 HR 18 MIN 8 SEC  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/ 2 -12.453 -14.340 1201.86964 -62. 3 -11.181 -16.274 1158.67944 -64. 4 -11.100 -12.940 1220.31779 -67. 5 -13.865 -12.123 1255.89157 -61. 6 -13.799 -15.660 1189.08667 -57. 7 -11.181 -16.274 1158.67944 -64. 8 -10.146 -17.776 1124.93033 -66. 9 -10.013 -14.931 1176.42662 -69. 10 -9.869 -11.401 1246.35239 -72. 11 -12.453 -10.613 1276.81012 -65. 12 -15.510 -9.484 1325.41328 -59. 13 -15.316 -13.518 1262.17879 -55.	1 12.1 3 10.2 0 8.8 0 10.0 1.1 1.1 8 13.3 6 16.2 2 12.3 4 10.3 0 8.8 70 MS  C AZN 5 11.8 3 10.2 0 13.8 1 12.1 1 12	-85.8 28.4 -84.6 30.5 -82.5 26.5 -81.5 25.8 -81.8 23.7 -82.0 21.6 -84.9 25.4 -86.6 31.5 25.8 TAB NC  SEC TO IMPAC 460.729  AZ SUN AZA -83.9 27.5 -83.1 29.6 -81.5 25.8 -81.7 23.7 -82.5 26.5 -83.0 24.4 -84.6 30.5 -85.2 21.7 -84.9 25.4 -84.6 30.5 -85.2 21.7 23.7 -84.9 25.4 -86.6 31.5 25.8 -81.7 23.7 -84.9 25.4 -86.6 31.5 29.4 -86.6 31.	20.699C4 19.5902 19.09363 18.48244 19.36379 20.486C6 21.0200 21.77654 20.4388 18.48244 111  7 ALT 10079-69C4 A* 19.62738 18.90179 19.90183 20.48734 19.39386 18.90179 19.90183 20.48734 19.3936 18.90179 20.25076 20.80371 21.54922 26.23036 19.20015 18.69914	0.676 - 93.8 76.1 0.754 - 93.5 72.7 0.791 - 88.3 71.8 0.838 - 86.2 70.1 0.782 - 85.4 76.6 0.653 - 91.0 77.5 0.602 - 97.2 78.8 0.692 - 96.5 74.9 0.764 - 95.9 71.6 0.807 - 90.8 70.7 0.838 - 86.2 70.1  ATLAS PHOTO NO  LAT LCN 3 - 5.953 - 3C.458  B/A AZPHAZ INCC 0.732 - 90.9 73.8 0.792 - 88.3 71.6 0.717 - 68.1 75.1 0.717 - 68.1 75.1 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 68.3 71.6 0.717 - 79.8 76.1 0.718 - 90.9 73.8 0.792 - 88.3 71.6 0.792 - 88.3 71.6 0.792 - 88.3 71.6 0.793 - 96.5 74.6 0.654 - 91.0 77.4 0.693 - 96.5 74.6	32.3 47.6 4 36.0 41.2 3 35.9 37.8 3 37.9 33.4 3 38.2 39.8 3 36.4 46.7 4 30.6 53.2 4 30.6 53.2 4 37.8 36.4 3 38.0 40.4 3 37.9 33.4 3 38.0 40.4 3 37.9 33.4 3 38.0 40.4 3 37.9 37.8 36.3 3 38.0 40.4 3 37.9 37.7 3 37.8 36.3 3	2.6 88.10551 4-5 5.1 105.22084 5-6 5.3 82.19737 6-7 1.8 60.20149 7-8 8.6 91.86345 8-9 5.9 106.59634 9-10 6.5 82.56705 10-11 6.6 99.49573 11-12 8.5 119.37493 12-13 1.2 100.18641 13-14 1.8 85.08892 14-15 1.8 72.51217 15-16  POD SEQUENCE NO 225  V PTH AZ .182 -70.825 116.341  PHA SCALE PT-PT 8.8 0. 1-2 5.2 69.09241 2-3 2.4 99.11012 3-4 2.5 87.17063 4-5 5.2 81.35018 6-7 1.8 59.57866 7-8 8.6 90.89805 8-9 5.8 105.39028 9-10 6.4 81.69270 10-11 6.5 98.36720 11-12 8.5 117.92360 12-13 1.2 99.09181 13-14

	RA-VII CAMER	A FR			38
JULY 31,1964 13 HR 18 MIN 13 SEC 190 M	TAB NO	112	ATLAS PHOTO NO	112 POD 5	SEQUENCE NO 227
TRAJECTORY DATA	SEC TO IMPACT	ALT	LAT LCN	R V	PTH AZ
	455.609	999.1334			-70.776 116.331
PHOTO DATA PT LAT LON RANGE AZS/C	AZN AZSUN AZA	Α	B/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.439 -14.397 1189.57617 -62.5 1		19.42662		34.1 42.4 38.7	0. 1-2
3 -11.179 -16.310 1146.90123 -64.3 1 4 -11.099 -13.013 1207.78061 -67.6 1	0.1 -82.5 26.5 1.4 -83.0 24.5	18.70965		36.0 37.7 35.2 32.2 44.2 42.3	68.34096 2- 3 98.01674 3- 4
5 -13.835 -12.207 1242.89873 -61.0 1	3.7 -85.8 28.4	20.27539		32.3 47.4 42.4	86.23552 4- 5
6 -13.770 -15.704 1176.94704 -57.1 1		19.19439		36.0 41.0 35.0	102.86662 5- 6
	0.1 -82.5 26.5 3.8 -81.5 25.8	18.70965	0.792 -88.3 71.8 0.838 -86.2 70.0	36.0 37.7 35.2 37.9 33.4 31.8	80.50195 6- 7 58.95516 7- 8
	0.0 -81.7 23.7	18.97309		34.2 39.7 38.5	89.93198 8- 9
	1.1 -62.0 21.7	20.04122	0.690 -85.4 76.4	30.4 46.5 45.8	104.18558 9-10
11 -12.437 -10.715 1263.52150 -65.8 1 12 -15.461 -9.604 1311.42230 -59.6 1	3.2 -84.9 25.4 5.1 -88.5 29.4	20.58720	0.656 -91.0 77.3	30.3 49.1 46.3	80.81811 10-11 97.24062 11-12
	4.1 -86.6 31.5	20.02166		34.3 46.2 38.4	116.47702 12-13
14 -15.145 -16.938 1170.12698 -51.3 1	2.2 -85.2 33.6	19.00411	0.766 -95.9 71.5	38.0 40.3 31.2	97.99752 13-14
	3.3 -83.1 29.6	18.50140		37.8 36.3 31.8	83.31449 14-15
16 -10.155 -17.994 1113.52763 -66.0	3.8 -81.5 25.8	18.11181	0.838 -86.2 70.0	37.9 33.4 31.0	71.04587 15-16
	TAB NO	113	ATLAS PHOTO NO	113 POD :	SEQUENCE NO 229_
JULY 31,1964 13 HR 18 MIN 18 SEC 310 M	<b>S</b>				
TRAJECTORY DATA	SEC TO IMPACT		LAT LON	R V	PTH AZ
PHOTO DATA	450.490	988.5640	9 -6.022 -30.319	2724.019 2.188	-70.726 116.322
PT LAT LON RANGE AZS/C_	AZN AZSUN AZA	A •	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.423 -14.456 1177.24838 -62.5 1	1.8 -83.9 27.5	19.22530	0.740 -90.9 73.7	34.1 42.3 38.7	0. 1- 2
	0.1 -82.5 26.5 1.4 -83.0 24.5	18.51698		36.0 37.6 35.2 32.2 44.1 42.2	67.58708 2- 3 96.91992 3- 4
	1.4 -83.0 24.5 3.7 -85.8 28.4	20.06286		32.3 47.3 42.3	85.29811 4- 5
6 -13,741 -15,748 1164,77426 -57,1 1	2.0 -84.6 30.5	18.99589	0.756 -93.5 72.5	36.0 41.0 35.0	101.68681 5- 6
	0.182.5 26.5	18.51698		36.0 37.6 35.2	79.65143 6- 7 58.32938 7- 8
	8.8 -81.5 25.8 0.0 -81.7 23.8	17.92586		37.9 33.4 31.7 34.2 39.6 38.5	88.96244 8- 9
10 -9.892 -11.583 1220.51419 -71.9 1	1.1 -82.0 21.8	19.83111	0.692 -85.4 76.3	30.5 46.4 45.7	102.97782 9-10
	3.2 -84.8 25.4	20.37010		30.3 49.0 46.2	79.94117 10-11
	5.0 -88.5 29.4 4.1 -86.6 31.5	21.09374 19.81240		30.6 52.8 46.2 34.3 46.1 38.3	96.11300 11-12 115.02900 12-13
	2.2 -85.2 33.6	18.80757		38.0 40.3 31.1	96.89982 13-14
15 -12.443 -17.570 1123.81351 -58.4 1	0.3 -83.1 29.6	18.31115	0.808 -90.8 70.7	37.8 36.3 31.7	82.42482 14-15
16 -10.163 -18.013 1102.09497 -66.0	8.8 -81.5 25.8	17.92586	0.838 -86.2 70.0	37.9 33.4 31.7	70.31029 15-16
JULY 31,1964 13 HR 18 MIN 23 SEC 430 M	TAB NO	114	ATLAS PHOTO NO	114 POD	SEQUENCE NO 231
TRAJECTORY DATA	SEC TO IMPACT 445.370		LAT LCN C -6.057 -30.249	R V 2713.43H 2.191	PTH AZ 70.676 116.312
PHOTO DATA		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	AZN AZSUN AZA	A*	B/A AZPHAZ INCO		SCALE PT-PT
	1.7 -83.8 27.5 D.1 -82.4 20.6	18.32399		7 34.1 42.2 <u>38.6</u> 7 36.0 37.6 35.1	0. 1- 2 66.83293 2- 3
	1.4 -82.9 24.5	19.287C4		32.2 44.0 42.1	95.82288 3-4
	3.6 -85.7 28.4	19.85004		32.3 47.2 42.2	84.36021 4~ 5
	2.0 -84.6 ±0.5 0.1 -82.4 26.6	18.79707		36.0 40.9 34.9 7 36.0 37.6 35.1	100.50757 5- 6 78.80013 6- 7
	8.8 -81.5 25.9	17.73959		37.9 33.4 31.7	57.70262 7-8
	0.0 -81.7 23.8	18.58070		34.2 39.6 38.4	87.99192 8- 9
	1.1 -82.0 21.8 3.2 -84.8 25.4	19.62071 20.15274		2 30.5 46.4 45.6 1 30.3 48.9 46.0	101.77092 9-10 79.06392 10-11
	5.9 -88.4 29.4	20.86552		30.6 52.6 46.1	94.98701 11-12
13 -15.180 -13.728 1203.64044 -55.9 1	4.0 -86.5 31.4	19.60284	0.696 -96.5 74.6	5 34.3 46.0 38.2	113.58492 12-13
	2.285.2 33.5	_18_61071		38.0 40.2 31.1	
	0.3 -83.1 29.5 8.8 -81.5 25.9	18.12058		5 37.8 36.2 31.7 5 37.9 33.4 31.7	81.53430 14-15 69.57338 15-16
10 101012 101052 107010 -0010	V. 0 1117 2317	41113737	0.030 00.2 10.0	, ,,,, ,,,, J147	5.15/550 15 10

		RA-VII CAMERA	A FE			_39
JULY 31,1964 13 HR 18 MIN 28		TAB NO	115	ATLAS PHOTO NO	115 POD	SEQUENCE NO 233
-	•			147 100		
		SEC TO IMPACT 440.250	967.3891	LAT LON 9 ~6.091 -30.178	2702.844 2.19	PTH AZ 5 -70.625 116.303
PHOTO DATA PT LAT LON RANGE	AZS/C AZN	AZSUN AZA				
2 -12.393 -14.573 1152.53665	AZS/L AZN	AZSUN AZA	A# 10 02174	8/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
3 -11.173 -16.421 1111.41209	-64-3 10-1	-82.4 26.6	18-13071	0.794 -88.3 71.7	34.1 42.2 38.5	0. I- Z
4 -11.095 -13.235 1170.00967	-67.6 11.4	-82.9 24.5	19.08144	8/A AZPHAZ INCO 0.741 -90.9 73.6 0.794 -88.3 71.7 0.721 -88.1 74.8 0.682 -93.8 75.7 0.757 -93.5 72.5 0.794 -88.3 71.7 0.839 -86.2 70.0	32.2 43.9 42.1	94.72624 3- 4
5 -13.744 -12.463 1203.76324	-61.0 13.6	-85.7 28.4	19.63698	0.682 -93.8 75.7	32.3 47.1 42.1	83.42226 4- 5
6 -13.683 -15.838 1140.37213	-57.1 11.9	-84.6 30.4	18.59796	0.757 -93.5 72.5	36.0 40.9 34.9	99.32949 5- 6
7 -11.173 -16.421 1111.41209 8 -10.180 -18.051 1079.17224	-64.3 10.1	-82.4 26.6	18-13071	0.757 -93.5 72.5 0.794 -88.3 71.7 0.839 -86.2 70.0 0.773 -85.8 72.8 0.694 -85.4 76.1 0.660 -91.0 77.0	36.0 37.6 35.1	77.94780 6- 7
9 -10.052 -15.135 1128.27138	-69 3 10 0	-01.7 23.9	10.00002	0.839 -86.2 70.0	37.9 33.3 31.7	57.07536 7-8
10 -9.914 -11.767 1194.59163	-71.9 11.1	-81.9 21.9	19-41008	0.694 -85.4 76.1	30.5 44.2 45.5	100 54553 0-10
	-65.7 13.2	-84.8 25.5	19.93517	0.660 -91.0 77.0	30.4 48.8 45.9	78.18652 10-11
12 -15.315 -9.966 1269.31256		-00.4 27.4				
13 -13.135 -13.799 1190.75552	~56.0 14.0	-86.5 31.4	19.39303	0.697 -96.5 74.6	34.3 45.9 38.2	112.14575 12-13
14 -15.014 -17.034 1133.75269 15 -12.413 -17.618 1100.40269	-51.4 12.1		18.41357	0.768 -95.9 71.4	38.0 40.1 31.1	94.70485 13-14
16 -10.180 -18.051 1079.17224	-58.4 10.3 -65.9 8.8	-83.1 29.5 -81.5 25.9	17.92971 17.55302		37.8 36.2 31.7	
					37.9 33.3 31.7	68.83538 15-16
JULY 31,1964 13 HR 18 MIN 33	SEC 670 MS	TAB NO	116	ATLAS PHOTO NO	116 POD	SEQUENCE NO 235_
TRAJECTORY DATA						
TRASECTORY DATA		SEC TO IMPACT 435.130	AL1	LAT LON L -6.127 -30.106	R V	PTH AZ
PHOTO DATA			730.7031	-6.127 -30.106	2092.238 2.198	8 -70.574 116.293
PT LAT LON RANGE	AZS/C AZN	AZ SUN AZA	A =	B/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.377 -14.631 1140.18382	-62.5 11.7	-83.8 27.5	18.62001	0.742 -90.9 73.5	34-1 42-1 38-5	0. 1- 2
3 -11.171 -16.457 1099.56956	-64.3 10.1	-82.4 26.6	17.93752	0.794 -88.3 71.6	36.0 37.5 35.0	65.32829 2-3
PMOTO DATA PT LAT LON <u>RANGE</u> 2 -12.377 -14.631 1140.18382 3 -11.171 -16.457 1099.56956 4 -11.093 -13.307 1157.41858 5 -13.714 -12.547 1190.72324	-67.6 11.4	-82.9 24.6	18.87612	0.722 -88.1 74.7	32.2 43.9 42.0	93.63675 3-4
5-13.714 -12.547 1190.72324 6 -13.654 -15.882 1128.17052 7 -11.171 -16.457 1099.56956 8 -10.188 -18.068 1067.70377 9 -10.062 -15.185 1116.21097 10 -9.926 -11.857 1181.64587 11 -12.374 -11.123 1210.17435 12 -15.266 -10.084 1255.30280	-61.0 13.5	-82.1 28.4	19.42426	0.683 -93.8 75.6	32.3 47.0 42.0	82.48714 4- 5
7 -11-171 -16-457 1099.56956	-64.3 10.1	-82.4 26.6	17.93752	0.794 -88.3 71 6	36 0 37 5 35 0	77 00493 4- 7
8 -10-188 -18.068 1067.70377	-65.9 8.8	-81.5 25.9	17.36649	0.839 -86.2 70.0	37.9 33.3 31.7	56.45052 7-8
9 -10.062 -15.185 1116.21097	-69.3 10.0	-81.7 23.9	18.18757	C.773 -85.8 72.8	34.2 39.5 38.3	86.05443 8- 9
10 -9.926 -11.857 1181.64587	-71.8 11.1	-81.9 21.9	19.19981	0.695 -85.4 76.0	30.5 46.2 45.4	99.36973 9-10
11 -12.374 -11.123 1210.17435 12 -15.266 -10.084 1255.30280	-65.7 13.1	-84.7 25.5 -88.3 29.4	19.71803	0.661 -91.0 76.9	30.4 48.7 45.8	77.31195 10-11
13 -15.089 -13.867 1177.88699	-56.0 13.9	-86.5 29.4	19.18349	0.613 -97.1 78.1	30.6 52.4 45.8	92.74564 11-12
14 -14.970 -17.065 1121.61568	-51.4 12.1	-85.2 33.4	18.21651	0.768 -95 9 71 4	39 0 40 1 31 0	110.72210 12-13 93.61471 13-14
15 -12.397 -17.641 1088.69119	-58.4 10.2		17.73869	0.809 ~90.8 70.6	37.8 36.2 31.7	79.75351 14-15
16 -10.188 -18.068 1067.70377	-65.9 8.8	-81.5 25.9	17.36649	0.839 -86.2 70.0	37.9 33.3 31.7	68.09799 15-16
JULY 31,1964 13 HR 18 MIN 38						
JULY 31,1964 13 HR 18 MIN 38	SEC 789 MS					
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LON	R V	PIH AZ
PHOTO DATA		430.010	946.1645	2 -6.162 -30.034	2681.620 2.201	1 -70.523 116.283
PT LAT LCN RANGE	AZSZC AZN	AZSIINI AZA	A *	DIA ARDUAR TACO	But Series at all	
2 -12.362 -14.688 1127.81374	-62.5 11.7	-83.8 27.5	18.41799	8/A AZPHAZ INCD		
3 -11.104 -10.493 1087.70882	-64.3 10.1	-82.4 26.6	17.74404	0.794 -88.3 71.6	36.0 37.5 35.0	0. <u>1- 2</u>
4 -11.092 -13.380 1144.81[14	-6/.5 11.3	-82.9 24.6	18.67053	0.723 -88.1 74.6	32.2 43.8 41.9	92.54764 3- 4
5 -13.683 -12.631 1177.66846	-61.0 13.5	-85.7 28.4	19.21130	0.684 -93.8 75.6	32.3 46.9 41 9	81.55197 4- 5
6 -13.624 -15.925 1115.95125	-57.2 11.9	-84.6 30.4	18.19972	0.758 -93.5 72.4 0.794 -88.3 71.6 C.839 -86.2 70.0	36.0 40.8 34.8	96,99233 5- 6
7 -11.169 -16.493 1087.70882 8 -10.197 -18.086 1056.21698	-64.3 10.1 -65.9 8.8	-82.4 26.6 -81.5 25.9	17.74404	0.794 -88.3 71.6	36.0 37.5 35.0	76.24502 6- 7
9 -10.072 -15.236 1104.13297	-69.2 9.9	-81.7 23.9	17.99070	0.774 -85.8 72.7	37.9 33.3 31.6 34.2 39.4 38.2	55.82498 7-8 85.08754 8-9
10 -9.937 -11.947 1168.68570	-71.8 11.0	-81.9 22.0	18.98930	C.696 -85.4 76.0	30.5 46.1 45.3	98-17541 .9-10
11 -12.358 -11.223 1196.83424	-65.7 13.1	-84.7 25.5	19.50068	0.663 -91.0 76.8	30.4 48.6 45.7	76.43731 10-11
12 -15.217 -10.202 1241.28453 13 -15.043 -13.936 1165.00299	-59.7 15.7	-88.3 29.4	20.18150	0.615 -97.1 78.0	30.6 52.2 45.7	91.63013 11-12
13 -15.043 -13.936 1165.00299	-56.0 13.9	-86.5 31.4	18.97370	0.699 -96.5 74.4	34.3 45.7 38.0	109-30319 12-13
14 -14.926 -17.096 1109.46123 15 -12.382 -17.664 1076.96135	- <u></u>	-85.2 33.4 -83.1 30.5	18-01918	C.769 -95.9 71.4	38-0 40-0 31-0	92.52498 13-14
16 -10.197 -18.086 1056.21698	-65-9 9 9	-83.1 29.5 -81.5 25.9	17 17944	0.809 -90.8 70.6 0.839 -86.2 70.0	37.8 36.1 31.6	78.86324 14-15
	->->	41.7 27.7	11+11700	V.U.7 -00.2 (U.U	21.4 22.2 31.6	67.35932 15-16

	RA-VII CAMERA	FB
	TAB NO	118 ATLAS PHOTO NO 118 POD SEQUENCE NO 239
JULY 31,1964 13 HR 18 MIN 43 SEC 909 MS		
TRAJECTORY DATA	SEC TO IMPACT 424.890	ALT LAT LCN R V PTH AZ 935.53369 -6.198 -29.961 2670.989 2.204 -70.472 116.273
PHOTO DATA		
PT LAT LON RANGE AZS/C AZN		A BYA AZPHAZ INCO PHAZ CHIS AEPHA SCHOOL
2 -12.346 -14.746 1115.42461 +62.5 11.6 3 -11.166 -16.529 1075.82845 -64.2 10.1	-83.8 27.5 -82.4 26.6	18.21567 0.743 -90.9 73.4 34.1 42.0 38.4 0. 1-2 17.55023 0.795 -88.3 71.6 36.0 37.4 35.0 63.82747 2-3
3 -11.166 -16.529 1075.82845 -64.2 10.1 4 -11.090 -13.453 1132.18542 -67.5 11.3	-82.9 24.6	18.46463 0.724 -88.1 74.6 32.2 43.7 41.8 91.45845 3- 4
5 +13.652 -12.714 1164.59674 -61.0 13.5	-85.6 28.4	18.99807 0.685 -93.8 75.5 32.3 46.8 41.9 80.61629 4-5
6 -13.595 -15.969 1103.71281 -57.2 11.9	-84.6 30.4	18.00015 0.759 -93.5 72.3 36.0 40.7 34.7 95.82498 5-6
7 -11.166 -16.529 1075.82845 -64.2 10.1	-82.4 26.6	17.55023 0.795 -88.3 71.6 36.0 37.4 35.0 75.39243 6- 7
8 -10.205 -18.105 1044.71072 -65.9 8.8	-81.5 25.9	16.99251 0.839 -86.2 69.9 37.4 33.3 31.6
9 -10.082 -15.286 1092.03571 -69.2 9.9	-81.7 24.0	17.79370 0.774 -85.8 72.7 34.2 39.4 30.2 04.11975 6- 9 18.77852 0.697 -85.4 75.9 30.5 46.0 45.2 96.98205 9-10
10 -9.948 -12.038 1155.70882 -71.8 11.0	-81.9 22.0 -84.7 25.5	19.28308 0.664 -91.0 76.7 30.4 48.5 45.6 75.56224 10-11
11 -12.343 -11.324 1183.47861 -65.7 13.1 12 -15.167 -10.321 1227.25500 -59.7 15.7	-88.2 29.3	19.95341 0.617 -97.1 77.9 30.6 52.1 45.5 90.51618 11-12
13 -14.997 -14.005 1152.10167 -56.0 13.8	-86.5 31.3	18.76362 0.700 -96.5 74.3 34.3 45.7 37.9 107.88818 12-13
14 -14.882 -17.127 1097.28793 -51.5 12.0	-85.2 33.3	17.82153 0.769 -95.9 71.3 38.1 40.0 31.0 91.43533 13-14
15 -12.366 -17.688 1065.21188 -58.4 10.2	-83.1 29.5	17.35634 0.810 -90.8 70.5 37.8 36.1 31.6 77.97211 14-15
16 -10.205 -18.105 1044.71072 -65.9 8.8	-81.5 25.9	16.99251 0.839 -86.2 69.9 37.9 33.3 31.6 66.61972 15-16
		119 ATLAS PHOTO NO 119 POD SEQUENCE NO 241.
	TAB NO	119 ATLAS PHOTO NO 119 POD SEQUENCE NO 241.
JULY 31,1964 13 HR 18 MIN 49 SEC 29 MS		
	SEC TO IMPACT	ALT LAT LON R V PTH AZ
TRAJECTORY DATA	419.770	924.88998 -6.234 -29.888 2660.345 2.208 -70.420 116.263
PHOTO DATA		
PT LAT LON RANGE AZS/C AZN	AZ SUN AZ A	A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PI-PT  18.01258 0.744 -90.9 73.3 34.1 41.9 38.3 0. 1- 2  17.35572 0.795 -88.3 71.5 56.0 37.4 34.9 63.07294 2- 3
2 -12.331 -14.805 1102.98836 -62.5 11.6	-83.8 27.5	18.01258 0.744 -90.9 73.3 34.1 41.9 38.3 0. 1-2
3 -11.164 -16.567 1063.90488 -64.2 10.1	-82.4 26.6	17.35572 0.795 -88.3 71.5 36.0 37.4 34.9 63.07294 2- 3 18.25793 0.724 -88.1 74.5 32.3 43.6 41.7 90.36284 3- 4
4 -11.089 -13.52/ 1119.509// -6/.5 11.5	-02.7 24.1	10.23/73 0.724 0001 1403 3203 7300 1911 1911
5 -13.622 -12.800 1151.47412 -61.0 13.4		10110110 01000
6 -13.565 -16.015 1091.43018 -57.2 11.8		17.79965 0.760 -93.5 72.3 36.0 40.6 34.7 94.65116 3-6 17.35572 0.795 -88.3 71.5 36.0 37.4 34.9 74.53666 6-7
7 -11.164 -16.567 1063.90488 -64.2 10.1 8 -10.214 -18.124 1033.16493 -65.9 8.8	-82.4 26.6 -81.4 26.0	16.80472 0.839 -86.2 69.9 37.9 33.3 31.6 54.56894 7- 8
9 -10.091 -15.338 1079.89255 -69.2 9.9		17.59587 0.775 -85.8 72.6 34.2 39.3 38.1 83.14610 8- 9
10 -9.959 -12.130 1142.67924 -71.7 11.0		18.56689 0.698 -85.4 75.8 30.5 45.9 45.1 95.78204 9-10
11 -12.327 -11.427 1170.06915 -65.7 13.0		19.06461 0.665 -91.0 76.6 30.4 48.4 45.5 74.68388 10-11
12 -15.118 -10.441 1213.17180 -59.7 15.6	-88.2 29.3	19.72445 0.619 -97.1 77.8 30.6 52.0 45.4 69.39933 11-12
13 -14.951 -14.076 1139.15253 -56.0 13.8	-86.4 31.3	18,55276 0.702 -96.5 74.3 34.3 45.6 37.9 106.46710 12-13
14 -14.838 -17.160 1085.07344 -51.5 12.0	-85.2 33.3	17.62322 0.770 -95.9 71.3 38.1 39.9 30.9 90.33953 13-14
15 -12.351 -17.712 1053.42189 -58.5 10.2		11110121 01010 15 15
16 -10.214 -18.124 1033.16493 -65.9 8.8	-81.4 26.0	16.80472 0.839 -86.2 69.9 37.9 33.3 31.6 65.87748 15-16
	TAR NO.	120 ATLAS PHOTO NO 120 POD SEQUENCE NO 243
JULY 31,1964 13 HR 18 MIN 54 SEC 149 MS	IAB NO	120 AIDAS FROID NO 120
JULY 31,1704 13 HK TO PIN 27 200 143 HA		
TRAJECTURY DATA	SEC TO IMPACT	
	414.650	914.23383 -6.270 -29.814 2649.689 2.211 -70.367 116.253
PHOTO DATA		A. H. A. AZOHAZ INCH PHAZ FMIS ALPHA SCALE PT-PT
	AZSUN AZA	NA MELINE INCO THE COLUMN STATE OF THE COLUMN
2 -12.315 -14.865 1090.53386 -62.5 11.6		17.16090 0.796 -88.3 71.5 36.0 37.4 34.9 62.31822 2- 3
3 -11.162 -16.605 1051.96225 -64.2 10.1 4 -11.087 -13.602 1106.81682 -67.5 11.3		18.05094 0.725 -88.1 74.4 32.3 43,6 41.7 89.26749 3- 4
		18.56967 0.687 -93.8 75.3 32.3 46.6 41.7 78.73808 4- 5
5 -13.591 -12.886 1138.33571 -61.0 13.4 6 -13.536 -16.060 1079.12900 -57.2 11.8		17.59925 0.760 -93.5 72.2 36.1 40.6 34.6 93.47842 5-6
7 -11.162 -16.605 1051.96225 -64.2 10.1		17.16090 0.796 -88.3 71.5 36.0 37.4 34.9 73.68005 6- 7
8 -10.222 -18.144 1021.60008 -65.8 8.8		16.61662 0.840 -86.2 69.9 37.9 33.2 31.6 53.93851 7-8
9 -10.101 -15.391 1067.73087 -69.2 9.0	-81.6 24.0	17.39773 0.775 -85.8 72.6 34.2 39.3 38.1 82.17184 8- 9
10 -9.971 -12.222 1129.63422 -71.7 11.0		18.35500 0.700 -85.4 75.7 30.5 45.8 45.0 94.58334 9-10
11 -12.311 -11.530 1156.64549 -65.7 13.0		18.84590 0.667 -91.0 76.5 30.4 48.3 45.4 73.80515 10-11 19.69533 0.620 -97.1 77.7 30.7 51.8 45.3 88.28445 11-12
12 -15.069 -10.561 1199.07881 -59.7 15.5		
13 -14.905 -14.147 1126.18701 -56.0 13.	-86.4 31.3	18.34164 0.703 -96.5 74.2 34.4 45.5 37.8 105.05043 12-13
13 -14.905 -14.147 1126.18701 -56.0 13.14 -14.794 -17.193 1072.84067 -51.5 11.5	-86.4 31.3 -85.2 33.3	18.34164 C.703 -96.5 74.2 34.4 45.5 37.8 105.05043 12-13 17.42461 0.771 -95.9 71.3 38.1 39.9 30.9 89.24404 13-14
13 -14.905 -14.147 1126.18701 -56.0 13.	-86.4 31.3 -85.2 33.3 -83.1 29.5	18.34164 C.703 -96.5 74.2 34.4 45.5 37.8 105.05043 12-13 17.42461 C.771 -95.9 71.3 38.1 39.9 30.9 89.24404 13-14

		RA-VII CAMERA	A FB			41
JULY 31,1964 13 HK 18 MIN 59	SEC 269 MS	TAB NO	121	ATLAS PHOTO NO	121 PO	D SEQUENCE NO 245
TRAJECTORY DATA		SEC TO IMPACT	AL T	LAT ŁCN	a ·	V PTH AZ
PHOTO DATA		409.530	903.5646	4 -6.306 -29.740	2639.020 2.	215 -70.315 116.243
PHOTO DATA PT LAT LON RANGE 2 -12.300 -14.925 1078.05765 3 -11.16016.643 1039.99753	A/5/C A/A	AZSIIN AZA		H / A - A 7 D H A 7 - TAIC C	DULT THE TIE	
2 -12.300 -14.925 1078.05765	-62.5 11.6	-83.8 27.5	17.60544	0.746 -90-9 73.2	' 34.1 41.8 38	-2 0 1-2
3 -11.160 -16.643 1039.99753 4 -11.086 -13.677 1094.10271 5 -13.560 -12.972 1125.17732 6 -13.506 -16.106 1066.80605	-64.2 10.0	-82.4 26.7	16.96572	0.796 -88.3 71.4	36.0 37.3 34	8 61.56300 2~ 3
4 -11.086 -13.677 1094.10271	-67.4 11.3	-82.8 24.7	17.84361	0.726 -88.1 74.3	32.3 43.5 41	6 88.17174 3- 4
5 -13.560 -12.972 1125.17732	-61.0 13.3	-85.5 28.4	18.35502	0.689 ~93.8 75.2	32.3 46.5 41	.6 77.79832 4- 5
6 -13.506 -16.106 1066.80605	-57.2 11.8	-84.5 _ 30.3	17.39829	0.761 -93.5 72.2	36.1 40.5 34	6 92.30587 5- 6
7 -11.160 -16.643 1039.99753 8 -10.230 -18.164 1010.01347	-64.2 10.0	-62.4 26.7	10.90572	0.796 -88.3 71.4	36.C 37.3 34.	.8 72.82224 6-7
9 -10.111 -15.443 1055.54742	-00.0 0.0	-81.6 24.1	12 10024	0.84C -86.2 69.9 0.776 -85.8 72.5	37.9 33.2 31	.5 53.30718 7-8
10 -9,982 -12,315 1116,56947	-71 7 11 0	-81 8 22 2	18 14200	A 701 -45 4 75 4	20 5 / 5 7 / /	0 00 20517 0 10
11 -12.295 -11.633 1143.20316	-65.7 13.0	-84.6 25.6	16.62688	C.668 -91.0 76.4	30.4 48.2 45.	.3 72.92583 10-11
11 -12.295 -11.633 1:43.20316 12 -15.020 -10.681 1:84.97098 13 -14.859 -14.218 1:13.20125	-59.7 15.5	-88.0 29.3	19.26597	0.622 -97.1 77.5	30.7 51.7 45	1 87.17054 11-12
13 -14.859 -14.218 1113.20125	-56.0 13.7	-86.4 31.2	18.13019	0.704 -96.5 74.1	34.4 45.4 37	7 103.63702 12-13
14 -14.700 -17.226 1060.58655	-51.6 11.9	-85.2 33.2	17.22565	0.771 -95.9 71.2	38.1 39.8 30.	.9 88.14827 13-14
15 -12.319 -17.763 1029.78160	-58.5 10.2	-83.1 29.5	16.77906	0.811 -90.8 70.5	37.9 36.0 31.	5 75.28843 14-15
16 -10.230 -18.164 1010.01347				0.840 -86.2 69.9		
JULY 31,1964 13 HR 19 MIN 4	SEC 389 MS	TAB NO	122	ATLAS PHOTO NO	122 PC	D SEQUENCE NO 247 _
TRAJECTORY DATA						
		404.410	892.8829	3 -6-343 -29-664	2628.338 2.	V PTH AZ 218 -70.262 116.232
PHOTO DATA				2,,,,,	20201330 21	10 101202 1101232
PT LAT LON RANGE	AZS/C AZN	. AZSUN AZA	A *	B/A AZPHAZ INCO	PHAZ EMIS ALM	HA SUALE PISEL
2 -12.284 -14.986 1065.53532	-62.5 11.5	-83.7 27.5	17.40094	0.747 -90.9 73.2	34.1 41.7 38	-1 0. 1-2
PHOTO DATA PT LAT LON RANGE 2 -12.284 -14.986 1065.53532 3 -11.157 -16.683 1027.99052 4 -11.084 -13.754 1081 34038	-64.2 10.0	-82.4 26.7	16.76985	0.797 -88.3 71.4	36.0 37.3 34.	.8 60.80398 2~ 3
4 -11.084 -13.754 1081.34038 5 -13.527 -13.060 1111.96930				0.121 -00.1 14.3	. 32+3 43+4 4 <u>1</u> .	• 5 B1•0/UIL 3- 4
						.5 76.8549C 4- 5
7 -11.157 -16.683 1027.99052	-64.2 10.0	-82-4 26-7	16.76985	0.797 -88.3 71.4	36.1 40.5 34.	17 71 04164 4- 7
8 -10.238 -18.186 998.38811	-65.8 8.8	-81.4 26.0	16.23908	0.840 -86.2 69.9	37.9 33.2 31	5 52.67236 7- 8
9 -10.120 -15.498 1043.31949	-69.1 9.9	-81.6 24.1	17.00002	0.777 -85.8 72.5	34.2 39.2 38.	0 80.21562 8~ 9
7 - 11.157 - 16.158 1027.99052 8 - 10.238 - 18.186 998.38811 9 - 10.120 - 15.458 1043.31949 10 - 9.993 - 12.410 1103.45651 11 - 12.278 - 11.738 1129.7000 12 - 14.970 - 10.803 1170.81107	-71.6 11.0	-H1.8 22.2	17.92978	0.702 -85.4 75.5	30.5 45.6 44	8 92.18116 9-10
11 -12.278 -11.738 1129.70900	-65.6 12.9	-84.5 25.6	18.40703	0.670 -91.0 76.3	30.4 48.1 45	2 72.04307 10-11
12 -14.970 -10.863 1170.81107	-59.7 15.4	-88.0 29.3	19.03577	0.624 -97.1 77.4	30.7 51.6 45.	.0 86.05374 11-12
13 -14.813 -14.291 1100.16824 14 -14.705 -17.261 1048.29112 15 -12.303 -17.789 1017.91030 16 -10.238 -18.186 998.38811	-51 A 11 B	-86.4 31.2	17.91796	0.705 -96.5 74.1	34.4 45.3 37	6 102-21837 12-13
15 -12.303 -17.789 1017.91030	-58.5 10.1	-83.1 29.4	16 58564	0.772 -95.9 71.2	37 0 35 0 31	8 87.04675 13-14
16 -10-238 -18-186 998-38811	-65.8 8.8	-81.4 26.0	16.23908	0.840 -86.2 69.9	37 9 33 2 31	5 43 44301 15-14
		74D NO	100	4	31.17 33.2 31.	
JULY 31,1964 13 HR 19 MIN 9	SEÇ_509 MS	IAB NO	123	AILAS PHOTO NO	123 PO	D SEQUENCE NO 249
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LCN	R	V PTH AZ 221 -70.208 116.222
PHOTO DATA		399.291	82.1881	4 -6.380 +29.589	2617.643 2.2	221 -70.208 116.222
PT LAT LON RANGE	475/C A7N	A7 SUN A7 A	۸.	R/A AZDHAZ INCH	DHAT ENTS 44 DE	A CCALE DT DT
2 -12.268 -15.048 1052.99471	-62.5 11.5	-83.7 27-5	17.19615	0.747 -90.9 73.1	34.1 41.6 20	-M SCALE PI-PI
PHOTC DATA  PT LAT LON RANGE 2 -12.266 -15.048 1052.99471 3 -11.155 -16.723 1015.96420 4 -11.082 -13.481 1008.74559 5 -13.498 -13.148 1008.74559 6 -13.496 -16.202 1042.0532 7 -11.155 -16.723 1015.96420 8 -10.276 -18.270 946.74620	-64.2 10.0	-82.4 26.7	16.57366	0.797 -88.3 71.4	36.0 37.2 34	7 60.04487 2- 3
4 -11.082 -13.831 1008.56076	-67.4 11.3	-£2.8 24.8	17.42708	0.728 -88.1 74.2	32.3 43.3 41	4 85.96894 3- 4
5 -13.498 -13.148 1098.74559	-61.0 13.2	-85.5 28.4	17.92385	C.691 -93.8 75.0	32.3 46.3 41.	4 75.91142 4- 5
6 -13.446 -16.202 1042.05392	-57.2 11.7	-84.5 30.3	16.99465	0.762 -93.5 72.1	36.1 40.4 34.	5 89.95026 5- 6
7 -11.155 -16.723 1015.96420	-64.2 10.0	-82.4 26.7	16.57366	0.797 -88.3 71.4	36.0 37.2 34.	71.09977 6- 7
9 -10.130 -15.552 1031.07291 10 -10.004 -12.504 1690.32425	-09-1 9-9	-01.0 24.1 -81.8 22 2	17.71650	0 703 -85 4 75 4	34.2 39.1 37.	9 79.23429 8- 9
11 -12.262 -11.843 1116.20097	-65.6 12.9	-84.5 25.6	18.18694	0.671 -91.0 76.2	30.4 48.0 45.	.7 90.97862 9-10 .1 71.16016 10-11
12 -14.920 -10.925 1156.64180	-59.7 15.3	-87.9 29.3	18.80541	0.626 -97.1 77.3	30.7 51.4 44	9 84 93875 11-12
<b>13 -14.76</b> 6 -14.364 1087.11890	-56.1 13.6	-86.4 31.2	17.70547	0-704 -94-4 74-0	34.4 45 2 37	5 100 90427 12-12
14 -14.660 -17.296 1035.97716	-51.6 11.8	-85.2 33.1	16.82609	0.773 -95.9 71.2	38.1 39.7 30.	R 85 04573 12-14
12 -12.287 -17.816 1006.01950	-58.5 10.1	-83-1 29-4	16.39190	0-812 -90-8 70-4	. 37.G 35.G 31	. 4 73 49111 14-15
16 -10.247 -18.207 986.74332	-65.8 8.8	-81.4 26.0	16.04968	0.840 -86.2 69.8	38.0 33.2 31.	5 62.89351 15-16

	RA-VII CAMERA	FB			42
JULY 31,1964 13 HR 19 MIN 14 SEC 629 MS	TAB NO	124	ATLAS PHOTO NO	124 POD :	SEQUENCE NO 251
					PTH AZ
TRAJECTORY DATA	SEC TO [⊁PACT 394.171	ALT 871.48044	LAT LGN -6.418 -29.512	R V 2606.936 2.225	
PHOTO DATA					
	AZSUN AZA		B/A AZPHAZ INCD		SCALE PT-PT
2 -12.252 -15.109 1040.43826 -62.5 11.5			0.748 -90.9 73.0		0. 1-2
3 -11.152 -16.763 1003.92067 -64.2 10.0		16.37719		36.0 37.2 34.7	
4 -11.080 -13.908 1055.76668 -67.4 11.		17.21844		32.3 43.2 41.3	74.96796 4- 5
5 -13.466 -13.236 1085.50926 -61.0 13.	2 -85.5 28.4	17.70793	0.692 -93.8 75.0	32.3 46.2 41.3	88.77487 5- 6
6 -13.416 -16.249 1029.65208 -57.2 11.	7 -84.5 30.3	16.79241	0.763 -93.5 72.0 0.798 -88.3 71.3 0.841 -86.2 69.8	36.1 40.3 34.7	70.23747 6- 7
7 -11.152 -16.763 1003.92067 -64.2 10.0	9 -82.4 26.7 8 -81.4 26.1	16.37719	0.146 -66.3 11.3	20 0 22 2 31.5	51.40116 7- 8
8 -10.255 -18.229 975.08087 -65.7 8.1 9 +10.140 -15.607 1018.81004 -69.0 9.	9 -81.6 24.2	16.60071	0.171 -85 8 72 4	34.2 39.0 37.8	78.25283 8 9
10 -10.015 -12.599 1077.18179 -71.6 11.5		17.50403	0.704 -85.4 75.3	30-5 45-4 44-6	89.77828 9-10
11 -12.246 -11.948 1102.68239 -65.6 12.		17.96668	0.672 -91.0 76.1	30.4 47.9 44.9	70.27705 10-11
12 -14.871 -11.046 1142.46681 -59.7 15.		18.57496	0.628 -97.1 77.2	30.7 51.3 44.7	83.82603 11-12 _
13 -14.720 -14.437 1074.05583 -56.1 13.		17.49276	0.707 -96.4 73.9	34.4 45.1 37.4	99.39577 12-13
14 -14.615 -17.330 1023.64667 -51.7 11.		16.62589		38.1 39.6 30.7	84.84576 13-14
15 -12.271 -17.843 994.11110 -58.5 10.		16.19787	0.812 -90.8 70.4	37.9 35.9 31.4	72.59156 14-15
16 -10.255 -18.229 975.08087 -65.7 8.		15.85999	0.841 -86.2 69.8	38.0 33.2 31.5	62.14395 15-16
10 101235 101227 773100001 0711 01					
JULY 31,1964 13 HR 19 MIN 19 SEC 749 MS	TAB NO	125	ATLAS PHOTO NO	125 POD :	SEQUENCE NO 253
JULY 31,1964 13 HR 19 MIN 19 SEC 749 MS					
TRAJECTORY DATA	SEC TO IMPACT	AL T	LAT LCN	R V	
	389.051	860.75949	-6.455 -29.435	2596.215 2.226	-70.100 116.201
PHOTO DATA				D. 43 CHEC 41 DUA	CCALE DI-DT
PT LAT LCN RANGE AZS/C AZ 2 -12,230 -15.171 1027.87468 -62.5 11. 3 -11.149 -16.802 991.86713 -64.2 10.	N AZ SUN AZ A	A.	B/A AZPHAZ INCL	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.236 -15.171 1027.87468 -62.5 11.	5 -83.7 27.5	16.78592	0.749 -90.9 73.0	34.1 41.7 37.7	50 5289D 2= 3
3 -11.149 -16.802 991.86713 -64.2 10.	0 -82.4 26.7	16.18056	0.798 -88.3 /1.3	3 30.0 37.1 34.0	02 77142 3- 4
4 -11.078 -13.985 1042.96780 -67.4 11.	2 -82.7 24.9	17.00973	0.730 -88.1 74.0	32.3 43.2 41.2	74 03534 4- 5
5 -13.435 -13.323 1072.27074 -61.0 13.	2 -85.4 26.4	17.49197	0.694 -93.6 14.5	34 1 40 3 34 4	97 60252 5- 6
6 -13.386 -16.296 1017.24146 -57.3 11.	6 -84.5 30.2	16.59002	0.700 -00 3 71 3	36.1 40.3 34.4	69.37493 6- 7
7 -11.149 -16.802 991.86713 -64.2 10.	U82.4 26.1_	15.18050	0.140 -06.3 11.	38 0 34 1 31 4	50-76596 7- 8
5 -13.435 -13.323 1072.27074 -61.0 13.6 -13.386 -14.276 1017.24146 -71.3 11.7 -11.149 -16.802 991.86713 -64.2 10.8 -10.263 -18.250 963.40679 -65.7 8.9 -10.149 -15.661 1006.53901 -69.0 9.10 -10.026 -12.693 1064.03822 -71.5 11.12.229 -12.052 1089.16508 -65.5 12.	H -H1.4 20.1	15.07011	0.041 -00.2 07.0	3 34.2 39.0 37.8	77.27284 8- 9
9 -10.149 -15.661 1006.53901 -69.0 9.	9 -81.6 24.2	17 20053	0.774 -05.6 75.	30 5 45.3 44.5	88.58250 9-10
10 -10.026 -12.693 1064.03822 -71.5 11.	0 -81.7 22.4	17.76466	0.100 -03.4 13.6	30.4 47.7 44.8	69.39507 10-11
12 -14.821 -11.167 1128.29909 -59.7 15.	2 -01:0 27:3	17 27008	0.70# =96.4 73.4	8 34-4 45-0 37-4	97.99560 12-13
13 -14.673 -14.509 1060.98853 -56.1 13. 14 -14.570 -17.365 1011.30656 -51.7 11.	7 -45 2 33 0	16 42553	0.774 -95.9 71.	38-1 39-6 30-7	83.74868 13-14
15 -12.255 -17.869 982.19144 -58.5 10.	1 -83.1 29.4	16.42333	0.812 -90.8 70.4	4 37.9 35.8 31.4	71.69211 14-15
16 -10.263 -18.250 963.40679 -65.7 8.	8 -61.4 26.1	15.67011	0.841 -86.2 69.1	H 3H-O 33-1 31-4	61.39401 15-16
16 -10.263 -18.250 463.40674 -63.7 6.					
	TAB NO	126	ATLAS PHOTO NO	126 POD	SEQUENCE NO 255
JULY 31,1964 13 HR 19 MIN 24 SEC 869 MS.					
TRAJECTURY DATA	SEC TO IMPACT	AL T	LAT LCN	R V	PTH AZ
	383.931	850.0257	0 -6.493 -29.358	2585.481 2.23	2 -70.045 116.190
PHOTO DATA					SCALE PT-PT
PT LAT LON RANGE AZS/C AZ	N AZSUN AZA	Α.	B/A AZPHAZ INC	D PHAZ EMIS ALPHA	
2 -12.219 -15.232 1015.29261 -62.5 11.	4 -83.7 27.5	16.58044	C.750 -9C.9 72. 0.799 -86.3 71. C.731 -80.1 74.	9 34.2 41.4 . 3(.8	
3 -11.146 -16.842 979.79417 -64.1 10.	0 -82.4 26.7	15.98362	0.799 -88.3 71.	3 36.0 37.1 34.6	57.77164 2- 3
4 -11.076 -14.061 1030.15147 -67.3 11.	2 -82.7 24.9	16.80072	0.731 -86.1 74.	0 32.3 43.1 41.2	82.67449 3- 4
5 -13.404 -13.411 1059.01639 -61.0 13.	1 -85.4 28.4	17.27575	0.695 -93.8 74.	8 32.4 46.0 41.1	73.08248 4- 5
6 -13.355 -16.344 1004.81205 -57.3 11.	6 -84.5 30.2	16.38733	0.764 -93.5 71.	9 36.1 40.2 34.3	60.43333 3- 5
7 -11.146 -16.842 979.79417 -64.1 10.	0 -82.4 26.7	15.98362	G.799 -88.3 71.	3 36.0 3/-1 34.6	50 12015 7. 0
8 -10.271 -1H.271 751.71317 -65.7 8.	8 -81.4 26.1	15.47992	0.841 -86.2 69.	E 38.C 33.1 31.4	50.13015 7~ 8
9 -10.158 -15.715 994.24918 -69.0 9.	9 -81.6 24.3	16.20056	C.779 -85.8 72.	3 34.3 38.9 37.7	10.24554 8- 4
10 -10.037 -12.787 1050.87904 -71.5 11.	0 -81.7 22.4 8 -84.4 25.7	17.07578	0.707 -85.4 75.	1 30.5 45.2 44.4	87.38809 9-10
11 -12.213 -12.157 1075.63350 -65.6 12.		17.52598	0.675 -91.0 75.	9 30.4 47.6 44.7	68.51269 10-11
12 -14.771 -11.288 1114.12144 -59.7 15.	1 -87.8 29.3	18.11413	0.632 -97.1 76.	9 30.7 51.0 44.5	81.60845 11-12
13 -14.626 -14.581 1047.90465 -56.1 13.	4 -86.3 31.1	17.06692	0.709 -96.4 73.	8 34.4 44.9 37.3	96.59971 12-13
14 -14.525 -17.399 998.94777 -51.7 .11.	7 -85.2 33.0	16.22486	0.77595.9 .71.	0 38.1 39.5 30.7	47.0250A 17-14
15 -12.239 -17.896 979.25222 -58.5 10.	1 -83.1 29.4		0.813 -90.8 70.		

	RA-VII CAMERA	F8			43
	TAB NO	127	ATLAS PHOTO NO	127 POD SE	OHENCE NO. 257
JULY 31,1964 13 HR 19 MIN 29 SEC 988 MS			-	100 30	QUENCE NO 237
TRAJECTORY DATA	SEC TO IMPACT 378.811		LAT LCN -6.532 -29.279	R V	PTH AZ
PHOTO DATA PT LAT LON RANGE AZS/C AZN					
2 -12.203 -15.293 1002.70003 -62.5 11.4	AZSUN AZA -83.7 27.5	A* 16.37480	8/A AZPHAZ INCD 0.751 -90.9 72.9	PHAZ EMIS ALPHA 34.2 41.4 37.7	SCALE PT-PT
3 -11.143 -16.881 967.70859 -64.1 10.0	-82.4 26.7	15.78646	0.751 -90.9 72.9 0.799 -88.3 71.2 0.732 -88.1 73.9 0.696 -93.8 74.7 0.765 -93.4 71.9 0.799 -88.3 71.2	36.0 37.0 34.6	57.01530 2- 3
4 -11.074 -14.138 1017.32758 -67.3 11.2 5 -13.372 -13.497 1045.75551 -61.0 13.1	-82.7 24.9	16.59160	0.732 -88.1 73.9	32.3 43.0 41.1	81.58020 3-4
5 -13.372 -13.497 1045.75551 -61.0 13.1 6 -13.324 -16.390 992.37000 -57.3 11.6	-85.4 28.4	17.05943	0.696 -93.8 74.7	32.4 45.9 41.0	72.13961 4- 5
7 -11.143 -16.881 967.70859 -64.1 10.0	-82.4 26.7	15.78646	0.799 -88.3 71.2	36.0 37.0 34.6	67.64765 6- 7
8 -10.278 -18.292 940.00584 -65.7 8.8	-81.4 26.1	15.28950	0.841 -86.2 69.8	38.0 33.1 31.4	49-49448 7- R
9 -10.167 -15.768 981.94905 -68.9 9.9	-81.5 24.3	16.00016	0.780 -85.8 72.2	34.3 38.9 37.7	75.31307 8- 9
10 -10.047 -12.880 1037.71642 -71.5 11.0 11 -12.196 -12.260 1062.09944 -65.6 12.8	-81.7 22.5	16.86197	C.708 -85.4 75.1	30.5 45.1 44.3	86.19797 9-10
11 -12.196 -12.260 1062.09944 -65.6 12.8 12 -14.721 -11.407 1099.94537 -59.7 15.1 13 -14.579 -14.653 1034.81158 -56.1 13.3	87.7 29.3	17.30347	0.677 -91.0 75.8	30.4 47.5 44.6	67.63059 10-11
13 -14.579 -14.653 1034.81158 -56.1 13.3	-86.3 31.1	16.85371	0.633 -97.1 76.8 0.711 -96.4 73.7	34.4 44.8 37.2	95.21140 12-13
14 -14.400 -11.433 380.51431 -51.8 11.1	-95.4 32.9	16.02396	0.775 -95.9 71.0	38.1 39.5 30.6	81.55785 13-14
15 -12.222 -17.922 958.29865 -58.5 10.0		15.61437	0.813 -90.8 70.3	37.9 35.8 31.3	69.89116 14-15
16 -10.278 -18.292 940.00584 -65.7 8.8			0.841 -86.2 69.8	38.0 33.1 31.4	59.89069 15-16
JULY 31,1964 13 HR 19 MIN 35 SEC 108 MS	TAB NO	128	ATLAS PHOTO NO	128 POD SE	QUENCE NO 259_
TRAJECTORY DATA	SEC TO IMPACT	ALT	LAT LCN -6.570 -29.200	R V	PTH AZ
PHUTO DATA	373.691	828.51773	-6.570 -29.200	2563.973 2.239	-69.935 116.168
PT LAT LON RANGE AZS/C AZN 2 -12-185 -15-352 990.11731 -62.5 11.4 3 -11.139 -16-919 955-62811 -64.1 10.0 4 -11.070 -14-212 1004-52087 -67.3 11.2 5 -13.339 -13.562 1032-51202 -61.0 13.0	AZSUN AZA	Δ.	B/A A/PHA/ INCh	PHA/ FMI > ALMHA	SCALE OF OF
2 -12.185 -15.352 990.11731 -62.5 11.4	-83.7 27.5	16.16931	C.751 -90.9 72.8	34.2 41.3 37.7	0. 1-2
3 -11.139 -16.919 955.62811 -64.1 10.0	-82.3 26.7	15.58939	0.799 -88.3 71.2	36.0 37.0 34.5	56.26212 2- 3
4 -11.070 -14.212 1004.52087 -67.3 11.2	-82.7 24.9	16.38275	C.733 -88.1 73.8	32.3 42.9 41.0	80.49397 3-4
5 -13.339 -13.582 1032.51202 -61.0 13.0 6 -13.293 -16.435 979.93175 -57.3 11.5		16.84339 15.98159		JE . 7 J. 7 TU. 7	11.17002 4- 3
6 -13.273 -10.433 7/7.731/3 -5/.3 11.5		12.98129			
7 - 11 - 139 - 16 - 919 955 - 62811 - 64 - 1 10 - 0		15.58030	0.700 -00 3 71 2	34 0 37 0 34 5	84-10918 5- 6
7 -11.139 -16.919 955.62811 -64.1 10.0 8 -10.285 -18.312 928.30031 -65.7 8.8	-82.3 26.7 -81.4 26.1	15.58939	0.799 -88.3 71.2	36.0 37.0 34.5	66.78326 6- 7
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9	-82.3 26.7 -81.4 26.1 -81.5 24.3	15.58939 15.09911 15.79994	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6	66.78326 6- 7 48.86085 7- 8 74.33940 8- 9
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5	15.58939 15.09911 15.79994 16.64859	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2	66.78326 6- 7 48.86085 7- 8 74.33940 8- 9
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7	15.58939 15.09911 15.79994 16.64859 17.08539	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2	66.78326 6- 7 48.86085 7- 8 74.33940 8- 9
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7 0.635 -97.1 76.7	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2	66.78326 6- 7 48.86085 7- 8 74.33940 8- 9 85.01863 9-10 66.75008 10-11 79.40040 11-12
8 - 10.285 - 18.312 928.30031 - 65.7 8.8 9 - 10.175 - 15.820 969.66009 - 68.9 9.9 10 - 10.057 - 12.972 1024.57990 - 71.4 11.0 11 - 12.178 - 12.362 1048.59174 - 65.6 12.7 12 - 14.670 - 11.525 1085.79926 - 59.7 15.0 13 - 14.530 - 14.723 1021.72869 - 56.2 13.3	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -66.3 31.1	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.64067	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7 0.635 -97.1 76.7 0.712 -96.4 73.6	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2 34.4 44.8 37.1	66.78326 6- 7 48.86085 7- 8 74.33940 8- 9 85.01863 9-10 66.75008 10-11 79.40040 11-12 93.83793 12-13
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.97 946.34488 -58.5 10.0	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -66.3 31.1 -85.2 32.9 -83.1 29.4	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7 0.635 -97.1 76.7 0.712 -96.4 73.6 0.776 -95.9 71.0	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2 34.4 44.8 37.1 38.1 39.4 30.6	66.78326 6- 7 48.86085 7- 8 74.33940 8- 9 85.01863 9-10 66.75008 10-11 79.4004C 11-12 93.83793 12-13 80.47072 13-14
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.97 946.34488 -58.5 10.0	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -66.3 31.1 -85.2 32.9	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.64067 15.823C4 15.41960	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7 0.635 -97.1 76.7 0.712 -96.4 73.6 0.776 -95.9 71.0	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.7 50.8 44.2 34.4 44.8 37.1 38.1 39.4 30.6 37.9 35.7 31.3	66.78326 6- 7 48.86085 7- 8 74.33940 8- 9 85.01863 9-10 66.75008 10-11 79.40040 11-12 93.83793 12-13
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.97 946.34488 -58.5 10.0	-82.3 26.7 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -66.3 31.1 -85.2 32.9 -81.4 26.1	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.64067 15.82304 15.41960 15.09911	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7 0.635 -97.1 76.7 0.776 -95.9 71.0 0.814 -90.8 70.3 0.841 -86.2 69.7	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2 34.4 44.8 37.1 38.1 39.4 30.6 37.9 35.7 31.3 38.0 33.1 31.4	66.78326 6-7 48.86085 7-8 74.33940 8-9 85.01863 9-10 66.75008 10-11 79.40040 11-12 93.83793 12-13 80.47072 13-14 68.98694 14-15 59.13797 15-16
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.97 946.34488 -58.5 10.0	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -66.3 31.1 -85.2 32.9 -83.1 29.4 -81.4 26.1	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.64067 15.82304 15.41960 15.09911	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.676 -91.0 75.7 0.635 -97.1 76.7 0.712 -96.4 73.6 0.776 -95.9 71.0 0.814 -90.8 70.3	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2 34.4 44.8 37.1 38.1 39.4 30.6 37.9 35.7 31.3 38.0 33.1 31.4	66.78326 6-7 48.86085 7-8 74.33940 8-9 85.01863 9-10 66.75008 10-11 79.40040 11-12 93.83793 12-13 80.47072 13-14 68.98694 14-15 59.13797 15-16
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.947 946.34488 -58.5 10.0 16 -10.285 -18.312 928.30031 -65.7 8.8	-92.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -66.3 31.1 -85.2 32.9 -81.4 26.1 TAB NO	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.64067 15.823C4 15.41960 15.09911	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7 0.635 -97.1 76.7 0.712 -96.4 73.6 0.776 -95.9 71.0 0.814 -90.8 70.3 0.841 -86.2 69.7 ATLAS PHOTO NO	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2 34.4 44.8 37.1 38.1 39.4 30.6 37.9 35.7 31.3 38.0 33.1 31.4	66.78326 6-7 48.86085 7-8 74.33940 8-9 85.01863 9-10 66.75008 10-11 79.40040 11-12 93.83793 12-13 80.47072 13-14 68.98694 14-15 59.13797 15-16 QUENCE NO 261
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1648.591.74 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.947 946.34488 -58.5 10.0 16 -10.285 -18.312 928.30031 -65.7 8.8	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -85.2 32.9 -83.1 29.4 -81.4 26.1 TAB NO	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.64067 15.82304 15.41960 15.09911	0.799 -68.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7 0.635 -97.1 76.7 0.776 -95.9 71.0 0.814 -90.8 70.3 0.841 -86.2 69.7 ATLAS PHOTO NO	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2 34.4 44.8 37.1 38.1 39.4 30.6 37.9 35.7 31.3 38.0 33.1 31.4 129 POD SE	66.78326 6-7 48.86085 7-8 74.33940 8-9 874.33940 8-9 86.75008 10-11 79.40040 11-12 93.83793 12-13 80.47072 13-14 68.98984 14-15 59.13797 15-16 QUENCE NO 261
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1648.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.947 946.34488 -58.5 10.0 16 -10.285 -18.312 928.30031 -65.7 8.8 JULY 31,1964 13 HR 19 MIN 40 SEC 228 HS	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -85.2 32.9 -83.1 29.4 -81.4 26.1 TAB NO	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.64067 15.82304 15.41960 15.09911	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.678 -91.0 75.7 0.635 -97.1 76.7 0.712 -96.4 73.6 0.776 -95.9 71.0 0.814 -90.8 70.3 0.841 -86.2 69.7 ATLAS PHOTO NO	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2 34.4 44.8 37.1 38.1 39.4 30.6 37.9 35.7 31.3 38.0 33.1 31.4 129 POD SE	66.78326 6-7 48.86085 7-8 74.33940 8-9 874.33940 8-9 86.75008 10-11 79.40040 11-12 93.83793 12-13 80.47072 13-14 68.98984 14-15 59.13797 15-16 QUENCE NO 261
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8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9. 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.947 946.34488 -58.5 10.0 16 -10.285 -18.312 928.30031 -65.7 8.8  JULY 31,1964 13 HR 19 MIN 40 SEC 228 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.168 -15.411 977.51414 -62.5 11.4 3 -11.135 -16.957 943.52643 -64.1 9.9 4 -11.007 -14.286 991.69437 -67.3 11.1 5 -13.306 -13.667 1019.25031 -61.0 13.0 6 -13.261 -16.481 96.47298 -57.3 11.5 7 -11.135 -16.957 943.52643 -64.1 9.9 4 -10.029 -18.331 916.57365 -65.7 8.8 9 -10.184 -15.873 957.35033 -68.9 9.9 10 -10.066 -13.003 1011.42513 -71.4 10.9 11 -12.160 -12.463 1035.00703 -55.5 12.7 12 -14.618 -11.642 1071.64023 -59.7 14.9	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -83.1 29.4 -81.4 26.1 TAB NO  SEC TO IMPACT 368.5/1  A7SUN AZA -83.7 27.5 -82.3 26.8 -82.7 25.0 -85.3 28.4 -84.5 30.2 -84.3 26.8 -81.4 26.2 -84.3 26.8 -81.7 22.6 -84.3 26.8 -81.7 22.6 -84.3 26.8 -81.7 22.6 -84.3 26.8 -81.7 22.6 -84.3 26.8 -81.7 22.6 -84.3 26.8 -81.7 22.6	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.82304 15.41960 15.41960 15.39191 129 ALT 817.74387 A* 15.99350 15.39198 16.17358 16.17358 16.47358 16.474349 15.59938 16.43490 16.86503 17.42347 16.86503 17.42732	0.799 -88.3 71.2 0.841 -86.2 69.7 0.780 -85.8 72.2 0.709 -85.4 75.0 0.635 -97.1 76.7 0.635 -97.1 76.7 0.712 -96.4 73.6 0.776 -95.9 71.0 0.814 -86.2 69.7  ATLAS PHOTO NO  LAT LON -6.609 -29.120  B/A AZPHAZ INCO 0.734 -88.1 73.8 0.698 -93.8 74.5 0.736 -88.1 73.8 0.698 -93.8 74.5 0.766 -93.4 71.8 0.800 -88.3 71.1 0.800 -88.3 71.1 0.802 -86.2 69.7 0.781 -85.4 74.9 0.603 -97.1 75.6 0.637 -97.1 75.6 0.637 -97.1 75.6	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.5 30.7 50.8 44.2 30.4 47.4 44.5 30.7 50.8 37.9 38.1 39.4 30.6 33.1 31.4 129 POD SE  R 2553.199 2.243 - PHAZ EMIS ALPHA 34.2 41.2 37.6 36.1 37.0 34.5 32.3 42.8 40.9 32.4 45.8 40.8 36.1 37.0 34.5 38.0 33.0 31.3 34.3 38.8 37.6 30.5 45.0 44.1 30.7 50.6 44.1 30.4 47.3 44.4	66.78326 6-7 48.86085 7-8 74.33940 8-9 85.01863 9-10 66.75008 10-11 79.40040 11-12 93.83793 12-13 80.47072 13-14 68.98694 14-15 59.13797 15-16  QUENCE NO 261  PTH AZ -69.879 116.156  SCALE PT-PT 0. 1-2 55.50881 2-3 79.40763 3-4 70.25591 4-5 82.95226 5-6 65.91802 6-7 48.22036 7-8 83.84010 9-10 65.86910 10-11 78.29937 11-12
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1648.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1221.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.947 946.34488 -58.5 10.0 16 -10.285 -18.312 928.30031 -65.7 8.8  JULY 31,1964 13 HR 19 MIN 40 SEC 228 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -12.168 -15.411 977.51414 -62.5 11.4 3 -11.135 -16.957 943.52643 -64.1 9.9 4 -11.067 -14.286 991.69437 -67.3 11.1 5 -13.306 -13.667 1019.25031 -61.0 13.0 6 -13.261 -16.481 967.47298 -57.3 11.5 7 -11.135 -16.957 943.52643 -64.1 9.9 8 -10.292 -18.331 916.57365 -65.7 8.8 9 -10.114 -15.873 957.35033 -68.9 9.9 10 -10.066 -13.063 1011.42513 -71.4 10.9 11 -12.160 -12.463 1035.06703 -65.5 12.7 12 -14.618 -11.642 1071.64023 -59.7 14.9 13 -14.482 -14.793 1008.62724 -56.2 13.2	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -85.2 32.9 -83.1 29.4 -81.4 26.1 TAB NO  SEC TO IMPACT 368.571  AZ SUN AZA -83.7 27.5 -82.3 26.8 -82.7 25.0 -85.2 32.9 -84.5 30.2 -85.2 32.8 -82.7 25.0 -85.2 32.8 -82.7 25.0 -85.2 32.8 -82.7 25.0 -84.5 30.2 -84.5 30.2 -84.5 30.2 -84.5 30.2 -84.5 30.2 -84.6 20.2 -84.7 22.6 -84.7 22.6	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 15.82304 15.41960 15.09911 129 ALT 817.74387 817.74387 15.96350 15.39198 16.17358 16.62706 15.77842 15.39198 16.43490 16.86503 17.42347 16.42347 16.42347 16.42347 16.42347	0.799 - 69.3 71.2 0.801 - 86.2 69.7 0.780 - 85.8 72.2 0.780 - 85.4 75.0 0.603 - 97.1 76.7 0.603 - 97.1 76.7 0.776 - 95.9 71.0 0.801 - 86.2 69.7  B/A AZPHAZ INCD 0.152 - 90.9 72.1 0.703 - 88.1 73.8 0.776 - 93.8 74.1 0.800 - 88.3 71.1 0.734 - 88.1 73.8 0.766 - 93.4 71.8 0.800 - 88.3 71.1 0.734 - 88.1 73.8 0.804 - 88.8 72.1 0.804 - 88.8 72.1 0.777 - 91.0 75.6 0.713 - 96.4 73.5 0.713 - 96.4 73.5	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 37.9 38.1 39.4 30.6 37.9 35.7 31.3 38.0 33.1 31.4 129 POD SE  R 2553.199 2.243 PHAZ EMIS ALPHA 34.2 41.2 37.6 36.1 37.0 34.5 32.3 42.8 40.9 32.4 45.8 40.9 32.4 45.8 40.9 32.4 45.8 40.9 33.0 31.3 34.3 38.8 37.6 36.1 37.0 34.5 38.0 33.0 31.3 34.3 38.8 37.6 36.1 37.0 34.5 38.0 33.0 31.3 34.3 38.8 37.6 30.4 47.3 34.4 30.5 45.0 44.1 36.4 47.3 37.1 34.4 44.7 37.1	66.78326 6-7 48.86085 7-8 74.33940 8-9 85.01863 9-10 66.75008 10-11 79.40040 11-12 93.83793 12-13 80.47072 13-14 68.98984 14-15 59.13797 15-16 QUENCE NO 261  PTH AZ -69.879 116.156  SCALE PT-PT 0. 1-2 55.50881 2-3 79.40763 3-4 70.25591 4-5 82.95226 5-6 65.91802 6-7 48.22036 7-8 73.36483 8-9 83.84010 9-10 65.86910 10-11 78.29937 11-12 92.46784 12-13 79.40784 13-14
8 -10.285 -18.312 928.30031 -65.7 8.8 9 -10.175 -15.820 969.66009 -68.9 9.9. 10 -10.057 -12.972 1024.57990 -71.4 11.0 11 -12.178 -12.362 1048.59174 -65.6 12.7 12 -14.670 -11.525 1085.79926 -59.7 15.0 13 -14.530 -14.723 1021.72869 -56.2 13.3 14 -14.433 -17.465 974.20076 -51.8 11.6 15 -12.204 -17.947 946.34488 -58.5 10.0 16 -10.285 -18.312 928.30031 -65.7 8.8  JULY 31,1964 13 HR 19 MIN 40 SEC 228 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.168 -15.411 977.51414 -62.5 11.4 3 -11.135 -16.957 943.52643 -64.1 9.9 4 -11.007 -14.286 991.69437 -67.3 11.1 5 -13.306 -13.667 1019.25031 -61.0 13.0 6 -13.261 -16.481 96.47298 -57.3 11.5 7 -11.135 -16.957 943.52643 -64.1 9.9 4 -10.029 -18.331 916.57365 -65.7 8.8 9 -10.184 -15.873 957.35033 -68.9 9.9 10 -10.066 -13.003 1011.42513 -71.4 10.9 11 -12.160 -12.463 1035.00703 -55.5 12.7 12 -14.618 -11.642 1071.64023 -59.7 14.9	-82.3 26.7 -81.4 26.1 -81.5 24.3 -81.7 22.5 -84.3 25.7 -87.7 29.2 -66.3 31.1 -85.2 32.9 -83.1 29.4 -81.4 26.1  TAB NO  SEC TO IMPACT 368.571  A7SUN AZA -83.7 27.5 -82.3 26.8 -82.7 25.0 -85.3 28.4 -84.5 30.2 -82.3 26.8 -81.4 26.2 -81.5 24.4 -81.7 22.6 -84.3 25.8 -81.4 26.2 -81.5 24.4 -81.7 22.6 -84.3 25.8 -87.6 29.2 -86.2 31.0 -85.2 32.8 -87.6 29.2 -86.2 31.0 -85.2 32.8	15.58939 15.09911 15.79994 16.64859 17.08539 17.65367 16.82304 15.41960 15.09911 129 ALT 817.74387 A* 15.96350 15.39198 16.17358 16.62706 15.77842 15.39198 16.47359 16.86503 17.42347 16.86503 17.42347 16.42732 16.42732	0.799 - 69.3 71.2 0.801 - 86.2 69.7 0.780 - 85.8 72.2 0.780 - 85.4 75.0 0.603 - 97.1 76.7 0.603 - 97.1 76.7 0.776 - 95.9 71.0 0.801 - 86.2 69.7  B/A AZPHAZ INCD 0.152 - 90.9 72.1 0.703 - 88.1 73.8 0.776 - 93.8 74.1 0.800 - 88.3 71.1 0.734 - 88.1 73.8 0.766 - 93.4 71.8 0.800 - 88.3 71.1 0.734 - 88.1 73.8 0.804 - 88.8 72.1 0.804 - 88.8 72.1 0.777 - 91.0 75.6 0.713 - 96.4 73.5 0.713 - 96.4 73.5	36.0 37.0 34.5 38.0 33.1 31.4 34.3 38.8 37.6 30.5 45.1 44.2 30.4 47.4 44.5 30.7 50.8 44.2 31.4 44.8 37.1 38.1 39.4 30.6 37.9 35.7 31.3 38.0 33.1 31.4 129 POD SE  R 2553.199 2.243 - PHAZ EMIS ALPHA 34.2 41.2 37.6 36.1 37.0 34.5 32.3 42.8 40.9 32.4 45.8 40.9 32.4 45.8 40.9 32.4 45.8 40.8 36.1 37.0 34.5 36.1 37.0 34.5 36.1 37.0 34.5 36.1 37.0 34.5 36.1 40.9 34.2 36.1 37.0 34.5 36.1 47.3 34.5 36.4 47.3 36.8 37.6 33.7 38.4 34.4 44.1 30.7 50.6 44.1 30.4 47.3 30.6 37.9 35.7 31.3	66.78326 6-7 48.86085 7-8 74.33940 8-9 85.01863 9-10 66.75008 10-11 79.4004C 11-12 93.83793 12-13 80.47072 13-14 68.98694 14-15 59.13797 15-16 QUENCE NO 261  PTH AZ 69.879 116.156  SCALE PT-PT Q. 1-2 55.50881 2-3 79.40763 3-4 70.25591 4-5 82.95226 5-6 65.91802 6-7 48.22636 7-8 73.36483 8-9 83.84010 9-10 78.29937 11-12 79.46763 10-11 78.29937 11-12 79.46763 11-12 79.46764 12-13 79.38358 13-14

RA-VI	1 C	AME	RA	FB

JULY 31,1964 13 HR 19 MIN 45 SEC 348 MS	TAB NO	130	ATLAS PHOTO NO 130	POD SEQUENCE NO 263
TRAJECTORY DATA	SEC TO IMPACT 363.451	ALT 8C6.95612		R V PTH AZ .411 2.246 -69.822 116.145
PHOTO DATA				
	AZSUN AZA	Δ#	B/A AZPHAZ INCD PHAZ E	MIS ALPHA SCALE PT-PT
2 -12.150 -15.470 964.90662 -62.5 11.3 3 -11.131 -16.994 931.41698 -64.1 9.9	-83.6 27.5 -82.3 26.8	15.19443	0.800 -86.3 71.1 34.2 41	1.2 37.6 0. 1-2 5.9 34.4 54.75734 2-3
	-82.7 25.0	15.96437	0.735 -88.1 73.7 32.3 4	2.8 40.9 78.32465 3- 4
5 -13.273 -13.751 1005.98991 -61.0 12.9	-85.3 28.3	16.41674	0.700 -93.8 74.4 32.4 45	5.7 40.7 69.31516 4-5
4 -13 220 -14 525 055 00831 -57 3 11 5	-84.5 30.1	15.57515	0.767 -93.4 71.8 36.1 4	0.0 34.1 81.79987 5- 6
7 -11.131 -16.994 931.41698 -64.1 9.9				
8 -10.298 -18.350 904.83713 -65.6 8.8 9 -10.192 -15.924 945.03467 -68.9 9.9	-81.4 26.2	14.71748	0.842 -86.2 69.7 38.0 3. 0.701 -06.0 73 1 34 3 31	3-10 31-3 47.59277 7-8 8.7 37.5 72.39210 8-9 4.9 44.0 82.66647 9-10 7.2 44.3 64.98950 10-11 0.5 43.9 77.20235.11-12 4.6 37.0 91.10664 12-13
10 -10.076 -13.154 998.27204 -71.4 10.9	-81 6 22.6	16.22124	0.711 -85.4 (4.8 30.5 4	4.9 44.0 82.66647 9-10
11 -12.142 -12.564 1021.54705 -65.5 12.7	-84.3 25.8	16.64475	0.681 -91.0 75.5 30.4 4	7.2 44.3 64.98950 10-11
12 -14.567 -11.758 1057.49263 -59.7 14.9	-87.6 29.2	17.19346	0.639 -97.1 76.5 30.7 5	0.5 43.9 77.20235.11-12
13 -14.434 -14.862 995.52505 -56.2 13.2	-86.2 31.0	16.21396	0.714 -96.4 73.5 34.4 4	4.6 37.0 91.10664 12-13 9.3 30.5 78.29990 13-14
14 -14.340 -17.529 949.40549 -51.9 11.5	-85.3 52.8	12.42043	0.777 -95.9 70.9 38.1 3° 0.814 -90.8 70.2 37.9 3°	7.3 30.3 (0.27770 13 17
15 -12.169 -17.996 922.38622 -58.6 10.0 16 -10.298 -18.350 904.83713 -65.6 8.8	-81.4 26.2	14.71748	0.842 -86.2 69.7 38.0 3	
JULY 31,1964 13 HR 19 MIN 50 SEC 468 MS	TAB NO	131	ATLAS PHOTO NO 131	POD SEQUENCE NO 265.
JULY 31,1964 13 HR 19 MIN 50 SEC 468 MS				
TRAJECTORY DATA	SEC TO IMPACT	AL T	LAT LON	R V PTH AZ
				.610 2.250 -69.765 116.134
PHOTO DATA PT LAT LON <u>RANGE AZS/C AZN</u> 2 -12.133 -15.527 952.31618 -62.5 11.3 3 -11.127 -17.030 919.31781 -64.1 9.9 4 -11.060 -14.432 966.05915 -67.2 11.1 5 -13.241 -13.833 992.75655 -61.0 12.9	47.000		D (4 470)(43 TMCD BUAT E	MIC ALONA SCALE DT-DT
PT LAT LON RANGE AZS/C AZN	AZSUNAZA	15 55200	0.752 -90 9 72 6 34.2 6	1.1 37.5 0. 1-2
2 -12.133 -13.527 952.51010 -02.55 11.5	-82.3 26.8	14-99706	0.8C1 -88.3 71.1 36.1 3	6.9 34.4 54.01065 2- 3
4 -11.060 -14.432 966.05915 -67.2 11.1	-82.6 25.0	15.75552	0.736 -88.1 73.6 32.3 4	2.7 40.8 77.24947 3- 4
5 -13.241 -13.833 992.75655 -61.0 12.9	-85.3 28.3	16.19486	0.701 -93.8 74.4 32.4 4	5.6 40.6 68.37803 4-5
6 -13.198 -16.568 942.55721 -57.4 11.4	-84.5 30.1	15.1/210	U-/68 -93.4 (1.1 30.1 3	7.7 34.1 60.03077 3.0
7 -11.127 -17.030 919.31781 -64.1 9.9		14.99706	0.801 -88.3 /1.1 36.1 3	6.9 34.4 64.19018 6- 7 3.0 31.3 46.96210 7- 8
	-81.4 26.2 -81.5 24.4	15-19830	0.782 -85.8 72.0 34.3 3	8.7 37.5 71.42471 8- 9
10 -10.086 -13.243 985.14688 -71.3 10.9	-K1-6 22.7	16-00802	0.712 -85.3 74.7 30.5 4	4.8 43.9 81.50293 9-10
11 -12.124 -12.663 1008.05999 -65.5 12.6	-H4.3 25.8	16.425C1	0.682 -91.0 75.4 30.4 4	7.1 44.2 64.11339 10-11
12 -14.517 -11.872 1043.38780 -59.7 14.8	-87.5 29.2	16.96414	0.640 -97.1 76.4 30.7 5	0.4 43.8 76.11214 11-12
13 -14.386 -14.930 982.44559 -56.2 13.1		16.00096	0.778 -95.9 70.9 38.1 3	4.5 36.9 89.76088 12-13 9.2 30.5 77.22401 13-14
14 -14.294 -17.559 937.01560 -51.9 11.5 15 -12.151 -18.018 910.40977 -58.6 10.0		15.21925	0.815 -90.8 70.2 37.9 3	
16 -10.305 -18.368 H93.10612 -65.6 8.8	-81.4 26.2	14.52667	0.842 -86.2 69.7 38.0 3	3.0 31.3 56.87681 15-16
10 101303 101300 033110012 0310				
		132		POD SEQUENCE NO 267
JULY 31,1964 13 HR 19 MIN 55 SEC 588 MS				
TRAJECTORY DATA	SEC TO IMPACT	AL T		R V PTH AZ
	353.211	785.3403	3 -6.728 -28.877 2520	.796 2.254 -69.708 116.122
PHOTO DATA PT LAT LON RANGE AZS/C AZN				MIS ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A+	B/A AZPHAZ INCO PHAZ E	
2 -12.115 -15.584 939.70283 -62.5 11.3 3 -11.123 -17.066 907.19538 -64.1 9.9	-02.0 21.2	14.79930	0.801 -88-3 71-0 36-1 3	6.9 34.4 53.26327 2-3
4 -11.057 -14.504 953.22988 -67.2 11.1	-62.5 25.0	15.54630	0.736 -88.1 73.5 32.3 4	2.6 40.7 76.17361 3- 4
5 -13-20H -13-916 979-50201 -61-1 12-9	-85.3 28.3	15.97864	0.702 -93.8 74.3 32.4 4	5.5 40.6 67.44023 4- 5
6 -13.166 -16.612 930-08335 -57.4 11.4	-84.5 30.1	15.16867	0.768 -93.4 71.7 36.1	9.9 34.0 79.51413 5-6
7 -11.123 -17.066 907.19538 -64.1 9.9	-82.3 26.8 -81.4 26.2	14.79930	0.801 -88.3 71.0 36.1 3 0.842 -86.2 69.7 38.0 3	36.9 34.4 63.32614 6- 7 33.0 31.3 46.33048 7- 8
8 -10.312 -18.386 881.35215 -65.6 8.8	-81.4 26.2 -81.5 24.4	14.33549	0.842 -86.2 69.1 38.6 3	38.6 37.4 70.45599 8- 9
9 -10.208 -16.024 920.40849 -68.8 9.9	-81-6 22-7	14.79/50	0.782 -85.8 72.0 34.3 3 0.713 -85.3 74.6 30.5	44.7 43.8 80.33958 9-10
11 -12.107 -12.762 994.55271 -65.5 12.6		16.20494	0.683 -91.0 75.3 30.4 4	47.0 44.1 63.2364C 10-11
12 -14.466 -11.986 1029.26627 -59.7 14.7	-87.5 29.2	16.73455	0.642 -97.1 76.3 30.7 5	50.3 43.7 75.02289 11-12
13 -14 239 -14 007 049 24401 -54.3 13.1	P-01 2.48-	15.78762	0.716 -96.4 73.3 34.4 4	44.4 36.9 88.41757 12-13
14 -14 347 -17 500 924 60351 -62 0 11 5	-R5.3 32.7	15-01770	0.778 -95.9 70.8 38.1	39.2 10.5 76.14/64 13-14
15 -12.134 -18.041 898.41028 -58.6 9.9 16 -10.312 -18.386 881.35215 -65.6 8.8	-83.1 29.3	14.63859	0.815 -90.8 10.2 31.9 :	33.0 31.3 56.12221 15-16
TD -In-317 -[8-380 981-33713 -83-9 8-6	-01.7 40.2	14.33349	0.07E -00.E 0761 30.0 .	

	RA-VII CAMER	A FB			45
JULY 31,1964 13 HR 20 MIN O SEC 708 MS	TAB NO	133	ATLAS PHOTO NO	133 P	OD SEQUENCE NO 269
TRAJECTORY DATA	SEC TO IMPACT	ALT	LAT LON	Ř	V PTH AZ
	348.092	774.51166	-6.768 -28.794	2509.967 2.	257 -69.650 116.110
PHOTO DATA PT LAT LON RANGE AZS/C AZN			- m		
PT LAT LCN RANGE AZS/C AZN 2 -12-098 -15-643 927-03905 -62-5 11-3	AZ SUN AZ A	15 13020	0.755 -00 0 73 E	PHAZ EMIS ALP	HA SCALE PT-PT
3 -11.119 -17.103 895.02638 -64.1 9.9	-82.3 26.8	14.60079	0.801 -88.3 71.0	36 1 36 8 36	'.4 0. 1-2 .3 52.51185 2-3
4 -11.054 -14.578 940.34753 -67.2 11.1	-82.6 25.0	15.33622	G.737 -88-1 73.5	32.3 42.6 40	0.6 75.09135 3- 4
5 -13.176 -14.000 966.19333 -61.1 12.8	-85.2 28.3	15.76154	0.703 -93.8 74.2	32.4 45.4 40	1.5 66.49894 4- 5
6 -13.134 -16.657 917.56188 -57.4 11.4	-84.5 30.0	14.96448	0.769 -93.4 71.6	36.1 39.8 34	.0 78.36470 5- 6
7 -11.119 -17.103 895.02638 -64.1 9.9	-82.3 26.8	14.60079	0.801 -88.3 71.0	36.1 36.8 34	.3 62.45879 6- 7
8 -10.319 -18.405 869.55530 -65.6 8.8	-81.4 26.2	14.14361		38.0 33.0 31	
9 -10.216 -16.076 908.03468 -68.8 9.8	-81.5 24.5	14.79589	0.783 -85.8 71.9	34.3 38.6 37	4 69.48135 8- 9
10 -10.105 -13.423 958.79826 -71.3 10.9	-81.6 22.8	15.58CCO	C.715 -85.3 74.5	30.5 44.6 43	.7 79.16953 9-10
11 -12.089 -12.863 980.98847 -65.5 12.6 12 -14.415 -12.102 1015.08773 -59.8 14.7	-84.2 25.8	15.98393	0.685 -91.0 75.2	30.4 46.9 44	
12 -14.415 -12.102 1015.08773 -59.8 14.7 13 -14.290 -15.067 956.19308 -56.3 13.0	-86.2 30.9	16.50403	0.644 -97.1 76.1 0.717 -96.4 73.3		
14 -14.201 -17.622 912.14673 -52.0 11.4	-85.3 32.6	14.81543			0.8 87.06794 12-13 0.4 75.06500 13-14
15 -12.116 -18.066 886.36679 -58.6 9.9		14.44236			.2 64.48286 14-15
16 -10.319 -18.405 869.55530 -65.6 8.8		14.14361			.3 55.36492 15-16
					·-· ·· <b>-</b> - <b>-</b> -
JULY 31,1964 13 HR 20 MIN 5 SEC 828 MS	TAB NO	134	ATLAS PHOTO NO	134 P	OD SEQUENCE NO 271 _
TRAJECTORY DATA	SEC TO IMPACT	AL T	LAT LON		V PTH AZ
P	342.972	763.66940	-6.809 -28.711	2499.125 2.	261 -69.592 116.099
PHOTO DATA	4751191 474			DULL T CHTC 44 P	
PT LAT LON RANGE ALS/C ALN 2 -12.080 -15.704 914.30820 -62.5 11.2	AZSUN AZA	14 03130	O 754 ALPHAL INCO	74 7 40 0 37	SCALE PI-PT
3 -11.115 -17.144 882.79673 -64.1 9.9	-82.3 26.8	14.40128	0.802 -88.3 71.0	34.2 40.9 37	7.3 0. 1-2 3.3 51.75429 2-3
4 -11.051 -14.655 927.39352 -67.2 11.1	-82.6 25.1	15.12497			
5 -13.143 -14.088 952.81059 -61.1 12.8					
5 -13.143 -14.088 952.81059 +61.1 12.8 6 -13.102 -16.704 904.97778 -57.4 11.3	-85.2 28.3	15.54323 14.75926	0.704 -93.8 74.1	32.4 45.3 40 36.1 39.8 33	0.4 65.55236 4- 5
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.79673 -64.1 9.9	-85.2 28.3 -84.5 30.0 -82.3 26.8	15.54323 14.75926 14.40128	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34	0.4 65.55236 4- 5 0.9 77.20480 5- 6 0.3 61.58706 6- 7
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.79673 -64.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8	-85.2 28.3 -84.5 30.0 -82.3 26.8 -81.4 26.2	15.54323 14.75926 14.40128 13.95084	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 C.842 -86.2 69.6	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31	0.4 65.55236 4-5 0.9 77.20480 5-6 0.3 61.58706 6-7 0.2 45.05475 7-8
6-13.102 -16.704 904.97778 -57.4 11.3 7-11.115 -17.144 882.79673 -64.1 9.9 8-10.326 -18.427 857.70352 -65.6 8.8 9-10.225 -16.131 895.59597 -68.8 9.8	-85.2 28.3 -84.5 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5	15.54323 14.75926 14.40128 13.95084 14.59323	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 0.842 -86.2 69.6 0.784 -85.8 71.9	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37	0.4 65.55236 4-5 0.9 77.20480 5-6 0.3 61.58706 6-7 0.2 45.05475 7-8 0.3 68.49797 8-9
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.79673 -64.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9	-85.2 28.3 -84.5 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5 -81.6 22.8	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 C.842 -86.2 69.6 C.784 -85.8 71.9 0.716 -85.3 74.4	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43	0.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.05475 7-8 1.3 68.49797 8-9 1.7 77.98869 9-10
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.79673 -64.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5	-85.2 28.3 -84.5 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5 -81.6 22.8 -84.2 25.8	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 0.842 -86.2 69.6 0.714 -85.8 71.9 0.716 -85.3 74.4 0.686 -91.0 75.1	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43	0.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.05475 7-8 1.3 68.49797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.79673 -64.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5	-85.2 28.3 -84.5 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5 -81.6 22.8 -84.2 25.8	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 0.802 -86.2 69.6 0.784 -85.8 71.9 0.716 -85.3 74.4 0.686 -91.0 75.1	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.4 46.8 43	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.05475 7-8 1.3 68.47977 8-9 1.7 77.98869 9-10 1.5 72.83243 11-12
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.79673 -64.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -59.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0	-85.2 28.3 -84.5 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5 -81.6 22.8 -84.2 25.8 -87.4 29.1 -86.2 30.8	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164 16.27220 15.35815	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 C.842 -86.2 69.6 C.714 -85.8 71.9 0.686 -91.0 75.1 0.645 -97.1 76.0 0.712 -96.4 73.2	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.4 46.8 43 30.7 50.0 43 34.4 44.2 36	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.03475 7-8 1.3 68.49797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11 1.5 72.83243 11-12 1.7 85.70088 12-13
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.7467364.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -59.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0	-85.2 28.3 -84.5 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5 -81.6 22.8 -84.2 25.8 -87.4 29.1 -86.2 30.8	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164 16.27220 15.35815 14.61221	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 0.842 -86.2 69.6 0.784 -85.8 71.9 0.716 -85.8 71.9 0.716 -91.0 75.1 0.686 -91.0 75.1 0.645 -97.1 76.0 0.718 -96.4 73.2 0.780 -95.9 70.8	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.4 46.8 43 30.7 50.0 43 34.4 44.2 36 38.1 39.1 30	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.05475 7-8 1.3 68.44797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11 1.5 72.83243 11-12 1.7 85.70688 12-13 1.4 73.97268 13-14
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.7467364.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -59.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0	-85.2 28.3 -84.5 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5 -81.6 22.8 -84.2 25.8 -87.4 29.1 -86.2 30.8	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164 16.27220 15.35815	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 0.842 -86.2 69.6 0.774 -85.8 71.9 0.716 -85.3 74.4 0.686 -91.0 75.1 0.645 -97.1 76.0 0.718 -96.4 73.2 0.780 -95.9 70.8 0.816 -90.8 70.1	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.4 46.8 43 30.7 50.0 43 34.4 44.2 36 38.1 39.1 30	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.3 68.49797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11 1.5 72.83243 11-12 1.7 85.70688 12-13 1.4 73.97268 13-14 1.1 63.57546 14-15
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.7467364.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -59.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0	-85.2 28.3 30.0 -82.3 26.8 -81.4 26.2 25.8 -81.6 29.1 -86.2 30.8 -85.3 32.6 -83.1 29.2 -81.4 26.2	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164 16.27220 15.35815 14.61221 14.24520 13.95084	0.704 -93.8 74.1 0.700 -93.4 71.6 0.802 -88.3 71.0 C.842 -86.2 69.6 C.784 -85.8 71.9 0.716 -85.3 74.4 0.686 -91.0 75.1 0.645 -97.1 76.0 C.718 -96.4 73.2 0.780 -95.9 70.8 0.816 -90.8 70.1 0.842 -86.2 69.6	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.7 50.0 43 34.4 44.2 36 38.1 39.1 30 37.9 35.5 31 38.0 32.9 31	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.03475 7-8 1.3 68.49797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11 1.5 72.83243 11-12 1.7 85.70688 12-13 1.4 73.97268 13-14 1.1 63.57546 14-15 1.2 54.60387 15-16
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.7967364.1 9.9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9.10.225 -16.131 895.75957 -68.8 9.10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.22 1000.82801 -99.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0 14 -14.154 -17.657 899.63177 -52.1 11.4 15 -12.099 -18.093 874.26674 -58.7 9.9 16 -10.326 -18.427 857.70352 -65.6 8.8	-85.2 28.3 30.0 -82.3 26.8 -81.4 26.2 24.5 -81.5 24.5 -81.6 22.8 -87.4 29.1 -86.2 30.8 -83.1 29.2 -81.4 26.2 TAB NO	15.54323 14.75926 14.40128 13.99084 14.59323 15.36429 15.76164 16.27220 15.35815 14.61221 14.24520 13.95084	0.704 -93.8 74.1 0.700 -93.4 71.6 0.802 -88.3 71.0 0.802 -88.3 71.0 0.714 -85.8 71.9 0.716 -85.3 74.4 0.686 -91.0 75.1 0.645 -97.1 76.0 0.718 -96.4 73.2 0.780 -95.9 70.8 0.816 -90.8 70.1 0.842 -86.2 69.6 ATLAS PHOTO NO	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.7 50.0 43 34.4 44.2 36 38.1 39.1 30 37.9 35.5 31 38.0 32.9 31	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.3 68.49797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11 1.5 72.83243 11-12 1.7 85.70688 12-13 1.4 73.97268 13-14 1.1 63.57546 14-15
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.7467364.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -59.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0	-85.2 28.3 30.0 -82.3 26.8 -81.4 26.2 24.5 -81.5 24.5 -81.6 22.8 -87.4 29.1 -86.2 30.8 -83.1 29.2 -81.4 26.2 TAB NO	15.54323 14.75926 14.40128 13.99084 14.59323 15.36429 15.76164 16.27220 15.35815 14.61221 14.24520 13.95084	0.704 -93.8 74.1 0.700 -93.4 71.6 0.802 -88.3 71.0 0.802 -88.3 71.0 0.714 -85.8 71.9 0.716 -85.3 74.4 0.686 -91.0 75.1 0.645 -97.1 76.0 0.718 -96.4 73.2 0.780 -95.9 70.8 0.816 -90.8 70.1 0.842 -86.2 69.6 ATLAS PHOTO NO	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.7 50.0 43 34.4 44.2 36 38.1 39.1 30 37.9 35.5 31 38.0 32.9 31	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.03475 7-8 1.3 68.49797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11 1.5 72.83243 11-12 1.7 85.70688 12-13 1.4 73.97268 13-14 1.1 63.57546 14-15 1.2 54.60387 15-16
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.7967364.1 9.9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9.10.225 -16.131 895.75957 -68.8 9.10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.22 1000.82801 -99.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0 14 -14.154 -17.657 899.63177 -52.1 11.4 15 -12.099 -18.093 874.26674 -58.7 9.9 16 -10.326 -18.427 857.70352 -65.6 8.8	-85.2 28.3 30.0 -82.3 26.8 -81.4 26.2 24.5 -81.5 27.4 29.1 -86.2 30.8 -85.3 32.6 -83.1 29.2 -81.4 26.2 TAB NO	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164 16.27220 15.35815 14.61221 14.24520 13.95084 135	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 0.804 -86.2 69.6 0.784 -85.8 71.9 0.716 -85.3 74.4 0.686 -91.0 75.1 0.605 -97.1 76.0 0.718 -96.4 73.2 0.780 -95.9 70.8 0.816 -90.8 70.1 0.842 -86.2 69.6 ATLAS PHOTO NO	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.7 50.0 43 34.4 44.2 36 38.1 39.1 30 37.9 35.5 31 38.0 32.9 31	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.05475 7-8 1.3 64.4797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11 1.5 72.83243 11-12 1.7 85.70688 12-13 1.4 73.97268 13-14 1.1 63.57546 14-15 1.2 54.60387 15-16 DD SEQUENCE NO 273
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.77673 -64.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -59.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0 14 -14.154 -17.657 899.63177 -52.1 11.4 15 -12.099 -18.099 874.2674 -58.7 9.9 16 -10.326 -18.427 857.70352 -65.6 8.8	-85.2 28.3 30.0 -82.3 26.9 -81.4 26.2 -81.5 24.5 -81.6 22.8 -87.4 29.1 -86.2 30.8 -83.1 29.2 -81.4 26.2	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164 16.27220 15.35815 14.61221 14.24520 13.95084 135	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 0.802 -88.3 71.0 0.804 -86.2 69.6 0.784 -85.8 71.9 0.716 -85.3 74.4 0.686 -91.0 75.1 0.645 -97.1 76.0 0.718 -96.4 73.2 0.780 -95.9 70.8 0.816 -90.8 70.1 0.842 -86.2 69.6 ATLAS PHOTO NO	32.4 45.3 40 36.1 39.8 33 36.1 36.8 34 38.0 32.9 31 34.3 38.5 37 30.6 44.5 43 30.7 50.0 43 34.4 44.2 36 38.1 39.1 30 37.9 35.5 31 38.0 32.9 31	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.05475 7-8 1.3 68.49797 8-9 1.7 77.98869 9-10 1.9 61.47042 10-11 1.5 72.83243 11-12 1.7 85.70688 12-13 1.4 73.97268 13-14 1.1 63.57546 14-15 1.2 54.60387 15-16  DD SEQUENCE NO 273
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6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.796736419.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -59.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0 14 -14.154 -17.657 899.63177 -52.1 11.4 15 -12.099 -18.093 874.26674 -58.7 9.9 16 -10.326 -18.427 857.70352 -65.6 8.8  JULY 31,1964 13 HR 20 MIN 10 SEC.948 MS _  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -12.063 -15.766 901.55609 -62.5 11.2 3 -11.111 -17.184 870.54494 -64.1 9.9 4 -11.048 -14.732 914.41901 -67.2 11.0 5 -13.110 -14.175 939.40890 -61.1 12.7 6 -13.070 -16.752 892.37224 -57.4 11.3 7 -11.111 -17.184 870.54494 -64.1 9.9 9 -10.233 -16.186 883.13556 -65.6 8.7 9 -10.233 -16.186 883.13556 -65.6 8.7 10 -10.125 -13.612 932.22213 -71.2 10.9 11 -12.054 -13.071 953.68431 -65.5 12.5 12 -14.313 -12.341 986.55473 -59.8 14.5	-85.2 28.3 30.0 -82.3 26.9 -81.4 26.2 -81.5 24.5 -81.6 22.8 -87.4 29.1 -86.2 30.8 -81.4 26.2 TAB NO  SEC TO IMPACT 337.852  AZ SUN AZA -82.4 26.2 AZ SUN AZA -82.6 25.1 -85.2 28.3 36.4 5 30.0 -82.6 25.1 -85.2 28.3 36.4 5 30.0 -82.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.5 -81.5 22.9 -84.1 5 22.9 -84.1 5 30.0 -84.7 32.1 5.8 -87.3 29.1 -87.3 29.1 -87.3 29.1 -87.3 30.8	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76164 16.27220 15.35815 14.61221 14.24520 13.95084 135 ALT 752.8129 4.472305 14.20142 14.91338 15.32461 14.55369 14.20142 14.55369 14.20142 15.18827 15.53907 16.04014	0.704 -93.8 74.1 0.700 -93.4 71.6 0.802 -88.3 71.0 0.802 -88.3 71.0 0.802 -88.8 71.9 0.716 -85.8 71.9 0.716 -85.3 74.4 0.806 -91.0 75.1 0.6045 -97.1 76.0 0.816 -90.8 70.1 0.6045 -95.9 70.8 0.816 -90.8 70.1 0.842 -86.2 69.6 ATLAS PHOTO NO  LAT LON 3 -6.849 -28.627  BMA AZPHAZ INCD 0.756 -93.8 70.9 0.739 -88.1 73.3 0.705 -93.8 74.0 0.802 -88.3 70.9 0.770 -93.4 71.5 0.802 -88.3 70.9 0.770 -93.4 71.5 0.802 -88.3 70.9 0.771 -85.3 74.4 0.807 -79.1 70.9 0.647 -97.1 75.9 0.0647 -97.1 75.9	32.4 45.3 40.3 36.1 39.8 33.36.1 36.8 34.3 38.5 37.3 30.4 46.8 43.3 30.7 50.0 43.8 36.1 39.1 30.7 50.0 43.8 36.1 39.1 30.7 50.0 43.8 36.1 39.1 30.7 50.0 43.8 36.1 39.1 30.1 36.1 36.7 34.2 40.9 37.3 36.1 36.7 34.2 40.9 37.3 36.1 36.7 34.3 36.1 36.7 33.3 36.1 36.7 34.3 36.1 36.1 36.7 34.3 36.1 36.1 36.7 34.3 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.05475 7-8 1.3 64.4797 8-9 1.7 77.98869 9-10 1.5 72.83243 11-12 1.5 72.83243 11-12 1.4 73.97268 13-14 1.1 63.57546 14-15 1.2 54.60387 15-16  DD SEQUENCE NO 273  V PTH ÁZ 1.265 -69.533 116.086 1.3 0. 1-2 1.4 0. 15.5 0. 15.
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.7067364.1 9.9 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.325 -16.131 895.5957 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -59.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0 14 -14.154 -17.657 899.63177 -52.1 11.4 15 -12.099 -18.093 874.26674 -58.7 9.9 16 -10.326 -18.427 857.70352 -65.6 8.8  JULY 31.1964 13 HR 20 MIN 10 SEC 948 MS _  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -12.063 -15.766 901.55609 -62.5 11.2 3 -11.111 -17.164 870.54494 -64.1 9.9 4 -11.048 -14.732 914.41901 -67.2 11.0 5 -13.110 -14.175 393.40890 -61.1 12.7 6 -13.070 -16.752 892.37224 -57.4 11.3 7 -11.111 -17.184 870.54494 -64.1 9.9 8 -10.333 -18.449 845.82955 -65.6 8.7 9 -10.233 -16.18.6 883.13556 -68.8 9.8 10 -10.125 -13.612 932.22213 -71.2 10.9 8 -10.333 -16.186 883.13556 -68.8 9.8 10 -10.125 -13.612 932.22213 -71.2 10.9 11 -12.054 -13.071 953.66431 -65.5 12.5 12 -14.313 -12.341 986.55473 -59.8 14.5 13 -14.193 -15.212 929.73185 -56.3 12.9 14 -14.107 -17.691 887.09566 -525.1 11.3	-85.2 28.3 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5 -81.4 26.2 -81.5 24.5 -81.4 26.2 -81.5 29.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.5 29.9 -84.1 25.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 30.1 -85.2 29.8 -84.1 25.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -85.3 32.5	15.54323 14.75926 14.40128 13.95084 14.59323 15.36429 15.76161 14.61221 14.24520 13.95084 135 ALT 752-8129 A+ 14.72305 14.20142 14.91338 15.32461 14.55369 14.20142 14.39522 13.75771 14.39522 15.14827 15.53907 16.04014 15.14254 14.40845	0.704 -93.8 74.1 0.700 -93.4 71.6 0.802 -88.3 71.0 0.802 -88.3 71.0 0.802 -81.0 75.1 0.604 -91.0 75.1 0.604 -91.0 75.1 0.604 -97.1 76.0 0.716 -85.3 74.4 0.802 -80.8 70.1 0.804 -90.8 70.1 0.804 -86.2 69.6  ATLAS PHOTO NO  LAT LON 0.604 -92.8 60.1 0.802 -88.3 70.9 0.703 -88.3 70.9 0.703 -88.3 70.9 0.704 -85.8 71.8 0.717 -93.8 71.5 0.717 -93.8 71.6 0.717 -93.8 71.7 0.607 -97.7 0.719 -96.4 73.1 0.719 -96.4 73.1	32.4 45.3 40.3 36.1 39.8 33.36.1 36.8 34.3 38.5 37.3 30.4 46.8 43.3 30.4 46.8 43.3 30.4 46.8 36.1 39.1 39.1 35.5 31.3 8.0 32.9 31.35 PK  2488.268 2.  PHAZ EMIS ALF 34.2 40.9 37.9 35.4 36.1 36.7 34.2 40.9 37.9 36.1 36.7 34.3 42.4 46.2 36.1 36.7 34.3 42.4 46.2 36.1 36.7 34.3 38.5 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.03475 7-8 1.3 68.49777 8-9 1.7 77.98869 9-10 1.5 72.83243 11-12 1.5 72.83243 11-12 1.6 73.97268 13-14 1.1 63.57546 14-15 1.2 54.60387 15-16  DD SEQUENCE NO 273  V PTH AZ 2.65 -69.533 116.086  PHA SCALE PT-PT 1.3 0. 1-2 1.4 73.97268 13-14 1.5 13.7 18.57546 14-15 1.2 64.60387 15-16  DD SEQUENCE NO 273  V PTH AZ 2.65 -69.533 116.086  PHA SCALE PT-PT 1.3 0. 1-2 1.3 0. 1-2 1.4 13.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1
6 -13.102 -16.704 904.97778 -57.4 11.3 7 -11.115 -17.144 882.7967364.1 9.9. 8 -10.326 -18.427 857.70352 -65.6 8.8 9 -10.225 -16.131 895.59597 -68.8 9.8 10 -10.115 -13.518 945.51962 -71.3 10.9 11 -12.071 -12.967 967.34518 -65.5 12.5 12 -14.364 -12.222 1000.82801 -99.8 14.6 13 -14.241 -15.139 942.97216 -56.3 13.0 14 -14.154 -17.657 899.63177 -52.1 11.4 15 -12.099 -18.093 874.26674 -58.7 9.9 16 -10.326 -18.427 857.70352 -65.6 8.8  JULY 31,1964 13 HR 20 MIN 10 SEC.948 MS _  TRAJECTORY DATA  PHOTO DATA  PY LAT LON RANGE AZS/C AZN 2 -12.063 -15.766 901.55609 -62.5 11.2 3 -11.111 -17.184 870.54494 -64.1 9.9 4 -11.048 -14.732 914.41901 -67.2 11.0 5 -13.10 -14.175 939.40890 -61.1 12.7 6 -13.070 -16.752 892.37224 -57.4 11.3 7 -11.111 -17.184 870.54494 -64.1 9.9 8 -10.333 -18.449 845.82955 -65.6 8.8 10 -10.125 -13.612 932.22213 -71.2 10.9 11 -12.054 -13.071 953.68431 -65.5 12.5 12 -14.313 -12.341 986.55473 -59.8 14.5 13 -14.107 -17.691 887.0556.6 -52.1 11.3 15 -12.081 -18.120 882.144501 -55.7 9.9	-85.2 28.3 30.0 -82.3 26.8 -81.4 26.2 -81.5 24.5 -81.4 26.2 -81.5 24.5 -81.4 26.2 -81.5 29.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.4 26.2 -81.5 29.9 -84.1 25.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 30.1 -85.2 29.8 -84.1 25.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -87.3 29.1 -86.2 30.8 -85.3 32.5	15.54323 14.75926 14.40128 13.93084 14.59323 15.36429 15.76164 16.27220 15.38815 14.61221 14.24520 13.95084 135 ALT 752.8129 A. 14.72305 14.20142 14.91338 15.32461 14.55369 14.20142 14.55369 14.55369 14.55461 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.55361 14.64081 15.14827 15.14827 15.14827 15.14827 15.14827 14.40845 14.40845	0.704 -93.8 74.1 0.770 -93.4 71.6 0.802 -88.3 71.0 0.802 -88.3 71.0 0.802 -80.8 71.0 0.784 -85.8 71.9 0.716 -85.3 74.4 0.696 -91.0 75.1 0.6945 -97.1 76.0 0.716 -95.9 70.8 0.816 -90.8 70.1 0.842 -86.2 69.6 ATLAS PHOTO NO  LAT LON 3 -6.849 -28.627 0.802 -88.3 70.9 0.756 -93.8 74.0 0.802 -88.3 70.9 0.770 -93.4 71.5 0.802 -88.3 70.9 0.770 -93.4 71.5 0.802 -88.3 70.9 0.770 -93.4 71.5 0.802 -88.3 70.9 0.804 -85.8 71.8 0.771 -85.3 74.4 0.807 -97.1 75.9 0.6047 -97.1 75.9 0.6047 -97.1 75.9 0.614 -95.9 70.4	32.4 45.3 40.3 36.1 39.8 33.36.1 36.8 34.3 38.5 37.3 30.4 46.8 43.3 30.4 46.8 33.7 50.0 43.8 36.1 39.1 30.7 50.0 43.8 36.1 39.1 30.7 50.0 43.8 36.1 39.1 30.4 30.7 50.0 43.8 36.1 39.1 30.4 46.7 34.2 40.9 37.9 35.5 31.3 30.4 46.7 34.3 38.5 37.9 35.4 36.1 39.7 33.3 30.4 46.7 43.3 38.0 32.9 31.3 30.4 46.7 43.3 38.0 32.9 31.3 30.4 46.7 43.3 38.1 39.0 31.4 31.3 39.0 31.4 31.3 39.0 31.4 31.3 39.0 31.7 39.5 55.5 31.7 37.9 35.7 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37	1.4 65.55236 4-5 1.9 77.20480 5-6 1.3 61.58706 6-7 1.2 45.03475 7-8 1.3 68.49777 8-9 1.7 77.98869 9-10 1.5 72.83243 11-12 1.5 72.83243 11-12 1.6 1.7 85.70688 12-13 1.4 73.97268 13-14 1.1 63.57546 14-15 1.2 54.60387 15-16  DD SEQUENCE NO 273  V PTH AZ 2.65 -69.533 116.086  PHA SCALE PT-PT 1.3 0. 1-2 1.2 50.99657 2-3 1.5 72.90677 3-4 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9

			KA-VII	CAREKA	rc							70
				TAB NO	136	ATI A	AS PHOTO NO	126		DOD 6	EQUENCE NO	275
JULY 31,1964 13 HR 2	20 MIN 16 SEC	68 MS		IND NO	200	A10	13 111010 110	130		FOD 3	EQUENCE IN	, 2,5
			**						_			AZ
TRAJECTORY DATA			SEC TO 332.		ALT 741-94278	LAT	LCN 191 -28.542	24	R 77-39н	2 - 269	PTH -69.474 11	
PHOTO DATA					141.742.0							
PT LAT LON	RANGE AZS			AZA	Δ+		AZPHAZ INC				SCALE	PT-PT
	88.78840 -62			27.5	14.51454			3 34.2		37.2	0.	1- 2 2- 3
	858.27563 -64 901.42952 -61		-82.3 -62.5	26.8 25.1	14.00127			9 36.1 2 32.3		34.2 40.4	50.23939 71.81524	3- 4
5 -13.077 -14.262	925.99535 -61			28.3	15.10580			9 32.4		40.2	63.65875	4- 5
	879.75116 -5			30.0	14.34787			5 36.1		33.8	74.88803	5- 6
	858.27563 -64	9.8	-82.3	26.8	14.00127	C.803	-88.3 70.	9 36.1	36.7	34.2	59.84138	6- 7
	833.93722 -65		-81.4	26.2	13.56428			6 38.C		31.2	43.77205	7-8
	H70.65799 -68			24.6	14.18692			8 34.3		37.2	66.52921	8- 9 9-10
	918.91117 -71 940.01277 65			22.9 25.9	14.93204 15.31631			3 30.4		43.5	75.63069 59.69843	
	972.2767659	3.5 12.5 3.8 14.5	-87.3	29.1	15.80801			8 30.7		43.2	70.64136	
	916.47951 -56	3 12.9	-86.1	30.8	14.92673			0 34.4	44.1	36.6	82.99647	12-13
	874.54465 -5		-85.3	32.4	14.20485			7 38.1		30.3	71.78926	13-14
15 -12.063 -18.147	850.00496 -58	.7 9.9	-H3.1	29.2	13.84990			1 37.9		31.1	61.75899	
16 -10.340 -18.471 8	833 <b>.</b> 93 <i>122</i> -65	6.6 8.7	-81.4	26.2	13.56428	0.843	-86.2 69	6 38.0	32.9	31.2	53.07857	15-16
				TAR NO.	127	ATI	AC BUOTO NO	127		BOD 6	EQUENCE NO	277
JULY 31,1964 13 HR 2	20 MIN 21 SEC	187 MS		TAB NO	13/	AIL	AS PHOTO NO	13/		FOD 3	EQUENCE IN	, ,, _
TRAJECTORY DATA			SEC TO		ALT	LA1			. R	V	PTH	AZ
PHOTO DATA			327.	612	731.05807	7 -6.9	332 -28.45	24	66.513	2.212	-69.415 1	10.002
PT LAT LON	RANGE AZ	S/C A/N	AZ SUN	AZA	Δ.	H/A	AZPHAZ IN	n PHA7	EMIS	AL PHA	SCALE	PT-PT
	676.00546 -6			27.5	14.30579				40.7		0.	1- 2
	645.98895 -64			26.8	13.80083			8 36.1		34.2	49.48299	2-3
	88.42536 -6			25.2	14.48948			2 32.3		40.3	70.72462	3-4
	912.57057 -6			28.3	14.88680			9 32.4		40.1	62.71284	4-5
	867.11495 -5			29.9	14.14160			4 36-1	36.6	33.8	73.73237	5- 6 6- 7
	845.90895 -60 822.02648 -6			26.8 26.3	13.8C0£3 13.37055				32.9		43.13061	7- 8
	858.16329 -6			24.6	13.98335			7 34.3		37.1	65.54446	8- 9
	905.58699 -7			23.0	14.71559			2 30.6		43.4	74.45447	9-10
11 -12.018 -13.279	926.33106 -65	5.5 12.4	-84-1	25.9	15.09340		-91.0 74	8 30.4		43.5	58.81304	
	957.99494 -5			29.1	15.57581			7 30.7		43.1	69.54986	
	903.21575 -5			30.7	14.71073			C 34.4		36.5	81.64869	
	861.97918 -5. 837.84833 -5			32.4	14.00081			6 38.1		30.3	70.69927 60.85097	
	837.84833 -5: 822.02648 -6'			29.2	13.37055					31.2	52.31498	
16 -10:341 -16:475	027102040 -0	0.1	.,,,	20.0	1				, ,,,,			
				TAB NO	138	ATL	AS PHOTO NO	138		POD S	SEQUENCE N	0 279
JULY 31,1964 13 HR	20 MIN 26 SEC	307 MS										
TRAJECTURY DATA			2FC 10	IMPACT	ALT	LA.	T LON		R	٧	PTH	ΔZ
			322.		720.1592			) 24	55.615	2.216	-69.355 1	16.050
PHOTO DATA												
PT LAT LCN		S/C AZN		AZA	A =				EMIS		SCALE	PT-PT
2 -12.010 -15.952		2.5 11.1		27.5	14.09667				40.7		0.	1- 2 2- 3
		4.1 9.8 7.1 11.0		26.8 25.2	13.60002 14.27706				36.6		48.72623	3- 4
		1.1 12.6		28.3	14.66748			8 32.4		40.0	61.76627	
		7.5 11.2		23.9	13.93536			4 36.1		33.7	72.57716	
		4.1 9.8		26.8	13.60002		-88.2 7C	. B 36.∶	36.6	34.1	58.09412	6- 7
8 -10.354 -18.515	810.09287 -6	5.5 8.7		26.3	13.17645			.6 38.6		31.1	42.48835	
		H.7 9.H		24.7	13.77941			7 34.		37.1	64.55885	
		1.1 10.9		23.0	14.498+1			1 30.6		43.3	73.27895	
		5.5 12.4 9.6 14.3		25.9	14.87018			.7 30.5 5 30.		43.4	57.92716 68.45907	
		9.6 14.3 6.4 12.8		27.1 30.7	15.34338 14.4944C			.9 34.		36.4	80.30408	
		2.2 11.2		32.3	13.79641			6 38.		30.3	69.60919	
		8.7 9.8		29.2	13.45336			0 37.		31.0	59.94180	
		5.5 8.7	-81.3	26.3	13-17645			. 6 38.		31.1	51.55016	

				RA-VII	ÇAMERA	FB								
			-		TAB NO	139	ATL	AS PHOTO	NO	139		POD S	EQUENCE	NO 281
JULY 31,1964 13 HR	20 MIN 31	SEC 427 M	15				2					100 3	LQUENCE	10 201
TRAJECTORY DATA			5	SEC TO 317.	IMPACT 372	ALT 709.24615	LAT			244	R 4 701	y 2 290	PTH -69.294	AZ
PHOTO DATA														
PT LAT LON 2 -11.992 -16.013				AZ SUN -83.5	AZA	A+		AZPHAZ					SCALE	PT-PT
3 -11.095 -17.345	821.37285	-64-0		-82.3	27.5 26.8	13.88769 13.39927			70.8	34.2	36.6	37.0	0. 47.9730	1- 2
4 -11.035 -15.040	862.38671			-82.5	25.2	14.06484	0.743	-88.1	73.0	32.3	42.1	40.2	68.5491	3 3 4
5 -12.978 -14.522	885.69775	-61.1 1		-85.1	20 2	14 44943	0 710	-02 0	72 7	32 4	// 0	20 0		
6 -12.942 -16.942	841.80347		1.2	-84.4	29.9	13.72902	0.773	-93.4	71.3	36.1	39.5	33.7	71.4295	<u>+ 5− 6</u>
7 -11.095 -17.345 8 -10.361 -18.536			9.8	-82.3	26.8	13.72902 13.39927 12.98234 13.57557 14.28232	0.804	-86.2	70.8	36.1	36.6	34.1	60.8223 71.4295 57.2210 41.8483 63.5772	6- 7
9 -10.267 -16.405	798.15847 833.13538	-65.5 -68.6	8.7 9.8	-81.3 -81.4	26. <u>3</u> 24.7	12.98234	0.844	-86.1	69.5	38.0	32.8	31.1	41.8483	3 7-8
10 -10.165 -13.988	878.91692		0.9	-81.4	23.1	14 28222	0.701	-85.8	74.0	30.4	38.3	43.3	72.1115	. 8-9
11 -11.982 -13.485	898.95226			-84.0	25.9	14.64731	694-0	-90.9	74.6	30.5	46.3	43.3	57.0437	
12 -14.108 -12.813	929.43131	-59.8 1		-87.2	29.1	15.11142	C.654	-97-1	75.4	30.7	49.4	42.8	67.3736	5 11-12
13 -13.999 -15.499	876.66061	-56.4 1	2.7	-86.1	30.7	14.27828	0.723	-96.4	72.8	34.4	43.8	36.3	78.9718	12-13
14 -13.920 -17.828			1.2	-85.3	32.3	13.59206		-95.8	70.6	38.1	38.8	30.2	68.5251	13-14
15 -12.010 -18.228	813.48978	-58.7	9.8	-83.1	29.2	13.25494		-90.8				31.0	59.0342	
16 -10.361 -18.536	798.15847	-65.5	8.7	-81.3	26.3	12.98234	0.844	-86.1	69.5	38.C	32.8	31.1	50.7857	, 15-16
JULY 31,1964 13 HR	20 MIN 36	SEC 547 M	1S		TAB NO	140	ATL	AS PHOTO	NO	140		POD S	EQUENCE I	10 283 _
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	LC	N		K	٧	PTH	AZ
PHOTO DATA				312.	252	698.31827	-7.0	59 -28.	195	24	3.774	2.284	-69.233	116.024
PT 1AT ICN	RANGE	A257E	A 7 N	A7 SIINI	A 7 A	۸.	H. / A		****	DUA 7	cute	A L Day A	SCALE	0.7-0.7
PT LAT ECN 2 -11.975 -16.072 3 -11.091 -17.383	837.61172	-62.5 1	1.1	-83.5	27.5	13-67879	0.760	-90.9	72.1	34.2	40.5	36 9	0.	<u> </u>
3 -11.091 -17.383	809.06577	-64.0	9.8	-82.3	26.8	13.19850	0.805	-88.2	70.7	36.1	36.5	34.0	47.2230	
4 -11.032 -15.114	849.38155	-67.1 1	1.0	-82.5	25.2	13.85275	0.744	-88.1	72.9	32.3	42.0	40.1	67.4697	8 3-4
5 -12.945 -14.607				-85.1	28.3	14.22957	0.711	-93.8	73.6	32.4	44.7	39.8		
6 -12.910 -16.987	829.15244			-84.4		13.52270	0.774	-93.4	71.3	36.1	39.4		70.2885	
7 -11.091 -17.383	809.06577	-64.0		-82.3	26.8	13.19850	0.805	-88.2	70.7	36.1	36.5		56.3490	1 6- 7
8 -10.368 -18.556 9 -10.275 -16.458	786.22025 820.62697		8.7	-81.3		12.78816	C.844	-86.1	69.5	38.0	32.8	31.1	41.2099	8 7- 8
10 -10.175 -14.080				-81.4	24.7	13.37177 14.066C3	0.737	-85.8 -85.3	71.6	34.3	38.2	37.0	62.5990	3 8-9
11 -11.964 -13.586	885.29017				25.9	14.42471	0.422	-00.0	74 5	30.5	44.0	43.1	70.9512 56.1623	7 9-10 5 10-11
12 -14.057 -12.928	915.18819			-87.1	29.1	14.87986	0.656	-97-1	75.3	30.7	49.2	42.7	66.2930	7 11-12
13 -13.950 -15.568	863.39834		2.7	-86.1	30.6	14.06231	0.724	-96.4	72.8	34.4	43.7	36.3	77.6507	
14 -13.873 -17.861			11.1	-85.3	32.2	14.06231 13.38771	0.783	-95.8	70.5	38.1	38.7	30.2	67.4464	
15 -11.992 -18.253		-58.7	9.8	-83.1	29.1	13.05646	0.818	-90.8	70 - C	37. Q	35.3	31.0		14-15
16 -10.368 -18.556	786.22025	-65.5	8.7	_013				/0.0		,,,,			58.1277	4 14-15
				-01.5	26.3	12.78816		-86.1	69.5	38.0	32.8		58.1277 50.0213	
				-			0.844	-86.1	69.5	38.0		31.1		7 15-16
JULY 31,1964 13 HR	20 MIN 41	SEC 667 M	15	-			0.844	-86.1 <b>\S PHOTO</b>	69.5	38.0 141		31.1	50.0213	7 15-16
	20 MIN 41	SEC 667 1		1	TAB NO	141	0.844 ATLA	-86.1	69.5 NO	38.0 141		POD S	50.0213 EQUENCE N	7 15-16 10 285
JULY 31,1964 13 HR TRAJECTORY DATA	20 MIN 41	SEC 667 M		1 SEC TC	IMPACT	141 	0.844 ATLA	-86.1 <b>\S PHOTO</b>	69.5 NO	38.0 141	R	POD Si	50.0213 EQUENCE N	7 15-16 10 285
TRAJECTORY DATA			:	SEC TC 307.	IMPACT	141	0.844 ATLA 	-86.1 AS PHOTO	NO NO NO NO	38.0 141	R 22.832	91.1 POD Si	50.0213 EQUENCE N	7 15-16 10 285
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	SEC TC 307.	IMPACT	ALT 687.37625	0.844 ATLA LAT 5 -7.1	-86.1 AS PHOTO LO2 -28. AZPHAZ	69.5 NO N 106	38.0 141 24:	R 22.832 EMIS	91.1 POD Si V 2.288	50.0213 EQUENCE N PTH -69.171 SCALE	7 15-16 40 285 AZ 116.011 PT-PT
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.957 -16.132	RANGE 824.79517	AZS/C -62.5	AZN 11-0	SEC TC 307. AZSUN -83.5	IMPACT 132 AZA 27.5	ALT 687.37625	ATLA  LAT  -7-1  B/A  C.761	-86.1 AS PHOTO LC LC2 -28. AZPHAZ +90.9	69.5 NO NO 106 INCD 72.0	38.0 141 24: PHAZ 34.2	R 22.832 EMIS 40.5	91.1 POD Si V 2.288	50.0213 EQUENCE N PTH -69.171 SCALE	7 15-16 40 285 AZ 116.011 PT-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.957 -16.132 3 -11.087 -17.422	RANGE 824 <u>+</u> 79 <u>51</u> 7 796•73392	AZS/C -62.5 1	AZN 11-0 9-8	SEC TC 307. AZ SUN -83.5	IMPACT 132 AZA 27.5 26.9	ALT 687.37625 A* 13.46949 12.99733	ATLA  LAT  -7.1  B/A  0.761 0.805	-86.1 AS PHOTO 102 -28. AZPHAZ -90.9 -88.2	NO NO 106 INCD 72.0	38.0 141 24: PHAZ 34.2 36.1	R 22.832 EMIS 40.5 36.5	91.1 POD Si V 2.288 ALPHA 36.9 34.0	PTH -69.171 SCALE 0. 46.4724	7 15-16  NO 285  AZ 116.011  PT-PT 1-2 4 2-3
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189	RANGE 824 <u>•79517</u> 796•73392 836•35252	AZS/C -62.5 1 -64.0 -67.1 1	AZN 11.0 9.8	SEC TC 307. AZSUN -83.5 -82.2 -82.5	IMPACT 132 AZA 27.5 26.9 25.3	ALT 687.37625 A. 13.46949 12.99733 13.64027	ATLA  LAT	-86.1 AS PHOTO 102 -28. AZPHAZ -90.9 -88.2 -88.1	NO NO 106 INCD 72.0 70.7	38.0 141 24. PHAZ 34.2 36.1 32.3	R 22.832 EMIS 40.5 36.5 42.0	91.1 POD Si V 2.288 ALPHA 36.9 34.0 40.0	PTH -69.171 SCALE 0. 46.4724-66.3897	7 15-16  40 285  AZ 116.011  PT-PT 1-2 4 2-3 6 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691	RANGE 824.79517 796.73392 836.35252 858.84270	AZS/C -62.5 1 -64.0 -67.1 1	AZN 11.0 9.8 10.9	SEC TC 307. AZSUN -83.5 -82.2 -82.5 -85.1	IMPACT 132 AZA 27.5 26.9 25.3 28.3	ALT 687-37625 A• 13.46949 12.99733 13.64027 14.C1034	ATLA  LAT  7-1  8/A  C.761 0.805 C.744 0.712	-86.1 AS PHOTO LC2 -28. AZPHAZ -90.9 -88.2 -88.1 -93.8	NO NO 106 INCD 72.0 70.7 72.9 73.5	38.0 141 24. PHAZ 34.2 36.1 32.3 32.4	R 22.832 EMIS 40.5 36.5 42.0 44.7	POD Si V 2.288 ALPHA 36.9 34.0 40.0 39.7	PTH -69.171 SCALE 0. 46.4724-66.3897	7 15-16  40 285  AZ 116.011  PT-PT 1-2 4 2-3 6 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033	RANGE 824 <u>*</u> 795 <u>1</u> 7. 796.73392 836.3525 858.84270 816.47694	AZS/C -62.5 1 -64.0 -67.1 1 -61.1 1	AZN 11.0 9.8 10.9 12.5	SEC TC 307. AZSUN -83+5. -82-2 -82-5.1 -84-4	IMPACT 132 AZA 27.5 26.9 25.3 28.3 29.8	ALT 687.37625 A• 13.46949 12.99733 13.64027 14.01034 13.31599	0.844 ATLA LAT 5 -7.1 B/A 0.761 0.805 0.744 0.774	-86.1 AS PHOTO CO2 -28. AZPHAZ -90.9 -88.2 -68.1 -93.8	NO NO 106 INCD 72.0 70.7 72.9 73.5 71.2	38.0 141 24: PHAZ 34.2 36.1 32.4 36.1	R 22.832 EMIS 40.5 36.5 42.0 44.7 39.3	POD Si V 2.288 ALPHA 36.9 34.0 40.0 39.7 33.6	50.0213 EQUENCE N PTH -69.171 SCALE 0. 46.4724. 66.3897. 58.9377. 69.1473	7 15-16  AZ 116.011  PT-PT 1-2 4 2-3 6 3-4 6 4-5 7 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033 7 -11.087 -17.422 8 -10.375 -18.577	RANGE 824,79517. 796,73392 836,35252 858,84270 816,47694 796,73392	AZS/C -62.5 1 -64.0 -67.1 1 -61.1 1	AZN 11.0 9.8 10.9	SEC TC 307. AZSUN -83.5 -82.2 -82.5 -85.1 -84.4 -82.2	IMPACT 132 AZA 27.5 26.9 25.3 28.3 29.8 26.9	ALT 687-37625 A• 13.46949 12.99733 13.64027 14.C1034	C.844  ATLA  LAT  -7.1  B/A  C.761  C.805  C.744  C.712  C.774  C.805	-86.1 AS PHOTO  102 -28.  AZPHAZ -90.9 -88.2 -88.1 -93.8 -93.4 -88.2	NO NO 106 INCD 72.0 70.7 72.9 73.5 71.2 70.7	38.0 141 24: PHAZ 34.2 36.1 32.4 36.1 36.1	R 22.832 EMIS 40.5 36.5 42.0 44.7 39.3 36.5	91.1 POD Si V 2.288 ALPHA 36.9 34.0 40.0 39.7 33.6 34.0	50.0213 EQUENCE N PTH -69.171 SCALE 0. 46.4724 66.3897 58.9377 69.1473 55.4755	AZ 116.011 PT-PT 1-2 4 2-3 6 3-4 6 4-5 7 6-7
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11-957 -16-132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033 7 -11.087 -17.422 8 -10.375 -18.577 9 -10.284 -16.511	RANGE 824,79517. 796,73392 836,35252 858,84270 816,47694 796,73392	AZS/C -62.5 1 -64.0 -67.1 1 -61.1 1 -57.6 1 -64.0 -65.5	AZN 11-0 9-8 10-9 12-5 11-1 9-8 8-7	SEC TC 307. AZSUN -83.5 -82.2 -82.5 -85.1 -84.4 -82.2 -81.3	IMPACT 132 AZA 27.5 26.9 25.3 28.3 29.8 26.9 26.3	ALT 687.37625 A• 13.46949 12.99733 13.64027 14.01034 13.31599 12.99733	C.844  ATLA  LAT  -7.1  B/A  C.761  C.805  C.744  C.712  C.774  C.805  C.744	-86.1 AS PHOTO (02 -28. AZPHAZ -90.9 -88.2 -88.1 -93.8 -93.4 -88.2 -86.1	69.5 NO INC 72.0 70.7 72.9 71.2 70.7 69.5	24: PHAZ 34.2 36.1 32.3 32.4 36.1 36.1 36.1 38.0	R 22.832 EMIS 40.5 36.5 42.0 44.7 39.3	31.1 POD Si V 2.288 ALPHA 36.9 34.0 40.0 39.7 33.6 34.0 31.1	PTH -69.171  SCALE 0. 46.4724. 66.38977. 69.1473 55.4755 40.5705	AZ 116.011 PT-PT 1-2 4 2-3 6 4-5 7 5-6 7 5-6 7 8 7-8
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033 7 -11.087 -17.422 8 -10.375 -16.577 9 -10.284 -16.511 10 -10.185 -14.172	RANGE 824,79517. 796.73392 836.35252 858.84270 816.47694 796.73392 774.25750 808.094C1 852.26168	AZS/C -62.5 1 -64.0 -67.1 1 -61.1 1 -64.0 -65.5 -68.6 -71.0 1	AZN 11-0 9.8 10.9 12.5 11-1 9.8 8.7 9.8	SEC TC 307.  AZSUN -83.5 -82.2 -82.5 -85.1 -64.4 -82.2 -81.3 -81.4	IMPACT 132 AZA 27.5 26.9 25.3 28.3 29.8 26.9 26.3 24.8 23.2	ALT 687.37625 A. 13.46949 12.99733 12.64027 14.01034 12.31599 12.99733 12.59359 13.16756	C.844  ATLA  LAT  -7.1  8/A  C.161  C.805  C.714  C.712  C.774  C.805  C.714  C.712  C.774  C.805  C.714  C.712	-86.1 AS PHOTO  102 -28.  AZPHAZ -90.9 -88.2 -88.1 -93.8 -93.4 -88.2 -86.1 -85.8 -85.3	NO 106 1NCD 72.0 70.7 72.9 73.5 71.2 70.7 79.5 71.5 73.8	38.0 141 242 PHAZ 36.1 32.4 36.1 38.0 34.3 30.6	R 22.832 EMIS 40.5 36.5 36.5 36.5 36.5 36.5 33.3 36.5 33.3	31.1 POD Si v 2.288 ALPHA 36.9 34.0 40.0 39.7 33.6 34.0 31.1 36.9 43.0	50.0213 EQUENCE N PTH -69.171 SCALE 0. 46.4724 66.3897 58.9377 69.1473 55.4755	AZ 116.011 PT-PT 1-2 4 2-3 6 3-4 6 4-5 7 5-6 7 6-7 7 6-7 8 7-8 2 8-9
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11-957 -16-132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033 7 -11.087 -17.422 8 -10.375 -18.577 9 -10.284 -16.511 10 -10.185 -14.172 11 -11.947 -13.687	RANGE 824,79517. 796,73392 836,35252 854,84270 816,47694 796,73392 774,25750 808,094C1 852,26768 871,60630	AZS/C -62.5 -64.0 -67.1 -61.1 -57.6 1 -64.0 -65.5 -68.6 -71.0 1 -65.4	AZN 11-0 9.8 10.9 12-5 11-1 9.8 8.7 9.8 10.8 12.3	SEC TC 307. AZSUN -83.5 -82.2 -82.5 -85.1 -84.4 -82.2 -81.3 -81.4 -81.4	IMPACT 132  AZA 27.5 26.9 25.3 28.3 29.8 26.3 24.8 23.2 26.0	ALT 687.37625 13.46949 12.99733 13.64027 14.01034 13.31599 12.99733 12.59359 13.16756 13.84937 14.20176	C.844  ATLA  LAT  -7.1  B/A  C.761  C.762  C.774  C.712  C.774  C.805  C.805  C.744  C.762  C.774  C.768  C.768  C.769  C.769	-86.1 AS PHOTO  102 -28.  AZPHAZ -90.9 -88.2 -88.1 -93.8 -93.4 -88.2 -86.1 -85.8 -85.3 -90.9	NO INCD 72.0 70.7 72.9 73.5 71.2 70.7 69.5 71.5 73.8 74.4	38.0 141 24. PHAZ 36.1 32.4 36.1 38.0 34.3 30.6 30.6	R 22.832 EMIS 40.5 36.5 42.0 44.7 39.3 36.5 32.8 38.2 43.2	31.1 POD Si V 2.288 ALPHA 36.9 40.0 39.7 33.6 34.0 31.1 36.9 43.0 43.1	PTH -69.171 SCALE 0.46.4724.66.3897.69.1473 55.4755 40.5705 61.6196 69.7911 55.2801	7 15-16  AZ 116.011  PT-PT 1-2 4 2-3 6 4-5 7 5-6 7 6-7 8 2 8-9 5 9-10 7 10-11
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033 7 -11.087 -17.422 8 -10.375 -16.577 9 -10.284 -16.511 10 -10.185 -14.172 11 -11.947 -13.687 12 -14.006 -13.043	RANGE 824:79517 796:73392 836:35252 858:84270 816:47694 796:73392 774:25750 808:09401 852:26768 871:00630 900:92645	AZS/C -62.5 1 -64.0 -67.1 1 -61.1 1 -57.6 1 -65.5 -68.6 -71.0 1 -65.4 1 -59.8 1	AZN 11.0 9.8 10.9 12.5 11.1 9.8 8.7 9.8 10.8	SEC TC 307.  AZSUN -83.582.2 -82.5 -85.1 -84.4 -81.3 -81.4 -81.	IMPACT 132  AZA 27.5 26.9 25.3 28.3 29.8 26.9 26.9 26.3 24.8 23.2 26.0 29.0	ALT 687.37625 A• 13.46949 12.99733 12.64027 14.01034 13.31599 12.99733 12.59359 13.16756 13.84937 14.20176	C.844  ATLA  LAT  -7-1  8/A  C.761  C.805  C.744  C.712  C.774  C.825  C.844  C.865  C.723  C.657	-86.1 IS PHOTO  LC  102 -26.  AZPHAZ -90.2 -88.1 -93.8 -93.8 -86.1 -86.8 -85.3 -90.9 -97.1	NO INCD 72.0 70.7 72.9 73.5 71.2 70.7 69.5 71.5 73.8 74.4 75.2	38.0 141 24: PHAZ 34.2 36.1 32.3 32.4 36.1 36.1 38.0 34.3 30.6 530.7	R 22.832 EMIS 40.5 36.5 42.0 44.7 39.5 38.2 43.9 44.1	31.1 POD Si V 2.288 ALPHA 36.9 34.0 40.0 39.7 33.6 34.0 34.0 43.0 43.0 43.0 43.0	PTH -69.171 SCALE 0. 46.4724 66.38977 69.1473 55.4755 40.5705 61.6196 69.7911 55.2801 65.2127	AZ 116-011 PT-PT 1-2 4 2-3 6 4-5 7 5-6 6 4-5 7 5-6 7 6-7 8 7-8 2 8-9 5 9-10 7 10-11 6 11-12
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033 7 -11.087 -17.422 8 -10.375 -16.577 9 -10.284 -16.511 10 -10.185 -14.172 11 -11.947 -13.687 12 -14.006 -13.043 13 -13.902 -15.637	RANGE 824,795,17. 796,73392 836,35252 858,84270 816,47694 774,25750 808,094C1 852,26768 871,60630 900,92645 \$50,11310	AZS/C -62.5 1 -64.0 -67.1 1 -57.6 1 -64.0 -65.5 -68.6 -71.0 -65.4 1 -59.8 1 -56.4 1	AZN 11-0 9-8 10-9 12-5 11-1 9-8 8-7 9-8 10-8 10-8	SEC TC 307. AZSUN -83.5 -82.2 -82.5 -85.1 -84.4 -82.2 -81.4 -81.4 -84.0 -87.1	IMPACT 132  AZA 27.5 26.9 25.3 28.3 29.8 26.9 26.3 24.8 23.2 26.0 29.0 30.6	ALT 687.37625 13.46949 12.99733 12.64027 14.01034 13.31599 12.99733 12.59359 13.16756 13.84937 14.02176 14.64768	C.844  ATLA  LAT  -7.1  8/A  C.761  C.768  C.744  C.714  C.714  C.714  C.714  C.714  C.715  C.714  C.715  C.715  C.715  C.715  C.715  C.715  C.715  C.715  C.715  C.715	-86.1 IS PHOTO  LC 102 -26.  AZPHAZ -90.9 -88.2 -93.4 -88.2 -93.4 -88.2 -85.3 -90.9 -97.1	NO INCD 72-0 70-7 72-9 73-5 71-2 70-7 71-5 71-5 73-8 74-4 75-2 72-7	24 PHAZ 34-2 36-1 36-1 36-1 36-0 34-3 30-6 30-7 34-7	R 22.832 EMIS 40.5 36.5 42.0 39.3 36.5 38.2 43.9 46.1 49.6	31.1 POD Si V 2.288 ALPHA 36.9 34.0 40.0 39.7 33.6 34.0 40.0 34.1 42.6 36.9	PTH -69.171  SCALE 0.  46.4724 66.3897 58.9317 69.1473 55.40.5705 61.6196 69.7911 55.2801 65.2127 76.3317	7 15-16  AZ 116.011  PT-PT 1-2 4 2-3 6 4-5 7 5-6 7 8 7-8 2 8-9 10-11 6 11-12 6 11-13
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033 7 -11.087 -17.422 8 -10.375 -16.571 9 -10.284 -16.511 10 -10.185 -14.172 11 -11.947 -13.687 12 -14.006 -13.043 13 -13.902 -15.637 14 -13.826 -17.893	RANGE 824.79517. 796.73392 836.35252 858.84270 816.47694 774.25750 808.09401 852.26768 871.60630 900.92645 850.11310	AZS/C -62,5 -64.0 -67.1 -61.1 -57.6 1 -64.0 -65.5 -68.6 -71.0 1 -59.8 1 -59.8 1 -59.8 1 -59.6 1	AZN 11-0 9.8 10.9 12.5 11-1 9.8 8.7 9.8 10.8 12.3 14.2	SEC TC 307. AZSUN -83.5 -82.2 -82.5 -85.1 -84.4 -82.2 -81.3 -81.4 -81.4 -84.0 -87.1 -86.0	IMPACT 132 AZA 27.5 26.9 25.3 29.8 26.9 26.0 29.0 30.6 48.2 23.2	ALT 687.37625 13.46949 12.99733 12.64027 14.01034 13.31599 13.16756 13.84937 14.20176 14.64798 13.84595 13.84595	C.844  ATLA  LAT  -7.1  B/A  C.761  C.805  C.714  C.774  C.844  C.805  C.844  C.788  C.695  C.695  C.695  C.784	-86.1 IS PHOTO  LC (02 -26. A Z PHA Z -90.9 -88.2 -88.1 -93.8 -93.8 -93.8 -85.3 -90.9 -97.1 -96.4	NO 106 1NCD 72.0 70.7 72.9 73.5 71.2 70.7 73.8 74.4 75.2 77.5	38.0 141 24: 24: 36.1 32.3 36.1 36.1 36.1 36.1 36.5 30.5 30.7 34.3	R 22.832 EMIS 40.5 36.5 42.0 39.3 36.5 32.8 43.9 46.1 49.1 43.6 38.7	31.1 POD Si V 2.288 ALPHA 36.9 34.0 40.0 39.7 33.6 31.1 36.9 43.0 43.1 42.6 36.2	50.0213 EQUENCE N PTH -69.171 SCALE 0. 46.4724. 66.3897. 58.9377. 69.1473 55.4755. 40.5705. 61.6196. 69.7911 56.2127. 76.3317. 66.34317.	7 15-16  AZ  116.011  PT-PT  1-2  4 2-3  6 3-4  6 4-5  7 5-6  7 6-7  8 7-8  9 9-9  7 10-11  6 11-12  6 12-13  6 13-14
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.957 -16.132 3 -11.087 -17.422 4 -11.028 -15.189 5 -12.912 -14.691 6 -12.878 -17.033 7 -11.087 -17.422 8 -10.375 -16.571 9 -10.284 -16.511 10 -10.185 -14.172 11 -11.947 -13.687 12 -14.006 -13.043 13 -13.902 -15.637 14 -13.826 -17.893	RANGE 824,795,17 796,73392 836,35252 858,84270 816,47694 774,25750 808,094C1 852,26768 871,60630 900,92645 850,11310 £11,61638,789,10192	AZS/C -62.5 1 -64.0 -67.1 1 -61.1 -57.6 1 -64.0 -65.5 -71.0 1 -65.4 1 -59.8 1 -56.4 1 -52.3 -58.8	AZN 11-0 9.8 10.9 12.5 11-1 9.8 10.8 12.3 14.2 12.6	SEC TC 307. AZSUN -83.5 -82.2 -82.5 -85.1 -84.4 -82.2 -81.4 -81.4 -84.0 -87.1	IMPACT 132  AZA 27.5 26.9 25.3 28.3 29.8 26.9 26.3 24.8 23.2 26.0 30.6 322.2 29.1	ALT 687.37625 13.46949 12.99733 12.64027 14.01034 13.31599 12.99733 12.59359 13.16756 13.84937 14.02176 14.64768	0.844  ATLA  LATIA  5 -7-1  8/A  C.761 0.805 0.712 0.712 0.805 0.844 0.712 0.657 0.725 0.818	-86.1 IS PHOTO  LC  102 -26.  AZPHAZ  -90.9  -88.2  -93.4  -88.1  -93.4  -86.1  -85.3  -90.9  -97.1  -96.4  -96.4  -96.8	NO INCD 72.0.7 72.9 73.5 71.2 70.7 75.2 77.5 71.5 71.5 71.5 71.5 75.2 72.7 70.5 69.9	38.0 141 24: PHAZ 36.1 32.4 36.1 38.0 34.3 30.6 30.6 30.7 34.4 37.9	R 22.832 EMIS 40.5 342.0 44.7 39.3 36.5 32.8 38.2 43.9 49.1 49.1 49.1 43.6 38.7	31.1 POD Si V 2.288 ALPHA 36.9 34.0 39.7 33.6 34.0 31.1 36.9 43.0 43.1 42.6 36.2 30.9	50.0213 EQUENCE N PTH -69.171 SCALE 0. 46.4724. 66.3897. 58.9377. 69.1473 55.4755. 40.5705. 61.6196. 69.7911 56.2127. 76.3317. 66.34317.	7 15-16  AZ 116.011  PI-PT 1-2 4 2-3 6 3-4 6 4-5 7 5-6 7 8-7 8 7-8 2 8-9 5 9-10 7 10-11 6 12-13 6 13-14 4 14-15

		RA-VII CAMERA				48
	10 NIN 44 CCC 707 NS	TAR NO	142	ATLAS PHOTO NO	142 POD	SFOUENCE NO 287
JULY 31,1964 13 HK	20 MIN 46 SEC 787 MS	1715 110		711.0 1 11.0 10 11.0		92402.100 110 201
TRAJECTORY DATA		SEC TO IMPACT		LAT LGN 2 -7.146 -28.017	R V	PTH AZ 92 -69.109 115.998
PHOTO DATA	RANGE AZS/C AZN					
2 -11.939 -16.190	£11.99535 -62.5 11.0	-83.5 27.5	13.26046	0.761 -90.9 72.0	34.2 40.4 36.	B 0. 1-2
3 -11.083 -17.459	784.41212 -64.0 9.8	-82.2 26.9	12.79632	0.805 -88.2 70.7	36.1 36.4 34.1	0 45.72630 2-3
4 -11.025 -15.262 5 -12.879 -14.774			13.42814	0.745 -88.1 72.8 0.713 -93.8 73.4	32.3 41.9 39.	9 65.31773 3-4 7 57.99818 4-5
6 -12.846 -17.077	803.81414 -57.6 11.1	-84.4 29.8	13.10948	0.775 -93.4 71.2	36.1 39.3 33.	6 68.01567 5- 6 0 54.60385 6- 7
7 -11.083 -17.459	803.81414 ->7.6 11.1 784.41212 -64.0 9.8	-B2.2 26.9	12.79632	C.775 -93.4 71.2 C.805 -68.2 70.7	36.1 36.4 34.	0 54.60385 6- 7
8 -10.382 -18.595	762.30011 -65.5 8.7	-81.3 26.3	12.39910 12.96359	0.844 -86.1 69.5 0.788 -85.8 71.5	38.0 32.8 31.	1 39.93411 7- 8 9 60.6457? 8- 9
9 -10.292 -16.562 10 -10.194 -14.261	795.57557 -68.6 9.8 838.96046 -71.0 10.8	-81.4 23.2	13.43318	0.724 -85.3 74.7	30.6 43.8 42.	9 68,64118 9-10
11 -11.929 -13.786	857.95517 -65.4 12.3	-H3.9 26.0	13.97934	0.696 -90.9 74.3	30.4 46.0 43.	0 54.40114 10-11
12 -13.955 -13.155	886.70548 -59.8 14.1 836.84923 -56.5 12.6	-87.0 29.0	14.41677	0.659 -97.1 75.1 0.726 -96.4 72.6	30.7 49.0 42.	5 64.13837 11-12
13 -13.853 -15.705	836.84923 -56.5 12.6 799.01821 -52.4 11.1	-86.0 30.6 -85.3 32.1	13.62994	0.726 -96.4 72.6	34.4 43.6 36. 38.1 38.6 30.	1 75.02746 12-13 2 65.29558 13-14
14 -13.779 -17.924 15 -11.957 -18.301	799.01821 -52.4 11.1 776.90230 -58.8 9.8	-83.1 29.1	12.65880	0.818 -90.8 69.9	37.9 35.3 30.	
16 -10.382 -18.595	762.30011 -65.5 8.7		12.39910	0.844 -86.1 69.5	38.0 32.8 31.	1 48.49060 15-16
23 10// 13 100	20 MIN 51 SEC 907 MS	TAB NO	143	ATLAS PHOTO NO	143 POI	SEQUENCE NO 289 _
JULY 31,1964 13 HK	20 FIN 31 SEC 907 FS					
TRAJECTORY DATA		SEC TO IMPACT 296.893	ALT	LAT LON 1 -7.189 -27.926	R . A	PTH AZ
PHOTO DATA	RANGE AZS/C AZN 799.19768 -62.5 11.0 772.08804 -64.0 9.8 832.02621 -61.1 12.4 791.15079 -57.6 11.0 772.088904 -64.0 9.8 750.33745 -65.5 9.8 825.66376 -71.0 10.8 844.31741 -65.4 12.2 872.50409 -59.8 14.0 823.59097 -96.5 12.5 824.61763 -52.4 11.6	290.893	000.4419	1 -7.189 -27.925	2400.703 2.2	76 -67.047 113.703
PT LAT LON	RANGE AZS/C AZN	_AZSUN AZA	Α.	B/A AZPHAZ INCO	PHAZ EMIS ALPH	A SCALE PT-PT
2 -11.921 -16.246	799.19768 -62.5 11.0	-83.5 27.5	13.05146	0.762 -90.8 71.9	34.2 40.4 36.	8 0. 1-2
3 -11.078 -17.494	772.08804 -64.0 9.8	-82.2 26.9	12.59521	0.806 -88.2 70.6	7 32.3 41.8 39.	9 64.25059 3- 4
5 -12.846 -14.855	832.02621 -61.1 12.4	-85.0 28.2	13.57288	C.714 -93.8 73.4	4 32.4 44.5 39.	6 57.06025 4- 5
6 -12.814 -17.119	791.15079 -57.6 11.0	-84.4 29.8	12.90296	0.775 -93.4 71.1	1 36.1 39.2 33.	5 66.88994 5- 6
7 -11.078 -17.494	772.08804 -64.0 9.8	-82,2 <u>26,9</u>	12.59527	G.806 -88.2 70.6	5 36.1 36.4 33.	9 53.73270 6- 1 1 39 29913 7- 8
9 -10 - 300 -16 - 612	783.05781 -68.5 9.8	-81.3 20.4	12.20452	C.788 -85.8 71.4	4 34.3 38.1 36.	8 59.67499 8- 9
10 -10.204 -14.350	825.66376 -71.0 10.8	-81.4 23.3	13.41715	0.725 -85.3 73.6	6 30.6 43.7 42.	8 67.49781 9-10
11 -11.910 -13.883	844.31741 -65.4 12.2	-83.9 26.0	13.75713	0.697 -90.9 74.2	2 30.4 45.9 42.	9 53.52375 10-11
12 -13.904 -13.266	872.50409 -59.8 14.0	-87.0 29.0	14.18588	C.66C -97.1 75.0	0 30.7 48.9   42. 5 34.4 43.5   36.	1 73.73322 12-13
14 -13.732 -17.953	786.41763 -52.4 11.0	-85.3 32.1	12.77375	0.785 -95.8 70.4	4 38.1 38.6 30.	1 64.22877 13-14
15 -11.938 -18.324	764.6981C -58.8 9.8	-83.1 29.1	12.45995	0.818 -90.8 69.9 0.844 -86.1 69.9	9 37.9 35.2 30.	9 55.40849 14-15
16 -10.389 -18.613	750.33745 -65.5 8.7	-81.3 26.4	12.20452	0.844 -86.1 69.5	5 38.C 32.8 31.	1 47.72550 15-16
JULY 31,1964 13 HR	20 MIN 57 SEC 27 MS	TAB NO	144	ATLAS PHOTO NO	144 PO	D SEQUENCE NO 291
TRAJECTORY DATA		SEC TO IMPACT	AL T	LAT LCN	R V	
PHOTO DATA		291.7/3	654.4616	4 -7.233 -27.835	2389.917 2.3	00 -68.984 115.971
PT LAT LON	RANGE AZS/C AZM	I AZSUN AZA	Α.	B/A AZPHAZ [NC	D PHAZ EMIS ALPH	A SCALE PT-PT
2 -11.403 -16.304	786.37199 -62.5 11.0 759.73606 -64.0 9.8	27.5	12.84201	0.763 -90.8 71.	9 <u>34.2 40.3 36.</u>	7 0 1-2
3 -11.074 -17.530 4 -11.018 -15.406	797.31473 -67.0 10.9	9 -82.4 25.3	12-39377	0.747 -88.2 70.0	0 30.1 30.4 33. 7 32.3 41.8 39.	8 63.18208 3- 4
5 -12.813 -14.936	818.59543 -61.1 12.4		13.35379	0.747 -88.1 72. 0.715 -93.8 73. 0.776 -93.4 71.	3 32.4 44.4 39.	5 56.12100 4- 5
6 -12.782 -17.162	778.45975 -57.6 11.0		12.69599	0.776 -93.4 71.	1 36.1 39.2 33.	5 65.76337 5- 6
7 -11.074 -17.530	159.73606 -04.0 9.6		12.39377	0.806 -88.2 70.0 0.844 -86.1 69.	6 36.1 36.4 33.	.9 52.85990 6- 7 .1 30.66287 7- 8
8 -10.395 -18.631 9 -10.308 -16.663	738.34754 -65.5 8.7 770.51208 -68.5 9.8		12.55522	C.789 -85.8 71.	4 34.3 38.0 36.	8 58.70239 8- 9
10 -10.213 -14.438			13.20068	0.726 -85.3 73.	6 30.6 43.7 42.	7 66.35375 9-10
11 -11.892 -13.981	830.65324 -65.4 12.2	2 -83.9 26.0	13.53450	0.699 -90.9 74.	1 30-4 45-8 42-	
12 -13.853 -13.377			13.95460	0.662 -97.1 74.	9 30.7 48.8 42.	2 61.99729 11-12 0 72.43989 12-13
13 -13.756 -15.837 14 -13.684 -17.983		5 -86.0 30.5 0 -85.3 32.0	12.56869	0.726 -96.4 72.	4 38.1 38.5. 30.	
15 -11.920 -18.347	752.46640 -58.8 9.	7 -83.1 29.1	12.260.5	0.819 -90.8 69.	9 37.9 35.2 30.	.9 54.50188 14-15
16 -10.395 -18.631	138.34754 -65.5 8.	7 -81.3 26.4	12.00950	0.844 -86.1 69.	5 38.0 32.8 31	.1 46.95875 15-16

TRAJECTORY DATA  PROTECT UATA						RA-VII	CAMERA	FB .							49
PHOTO DATA  PHOTO DATA  PHOTO DATA    A   A   A   A   A   A   A   A   A	JULY 31,1964	13 HR	21 MIN 2	SEC 147	M.S		TAB NO	145	ATLAS	РНОТО N	0 14	5	POD S	EQUENCE NO	293
PROTECUAIA  POPULATA  LON  NAGE  ASSAC  ASSA	TRAJECTORY	DAT4									_				
PT LAT LON RANGE ASS/C ARM AZSUN AZS	DUCTO DATA					286.	.653	643.46072	-7.27	8 -27.74	3	2378.916	2.304	-68.920 11	5.958
2 -11.865 - 16.363		LON	RANGE	A25/C	A Z N	AZ SUN	Δ7 Δ	Δ.	B/A A	7PHA7 IN	ICO PE	AT ENTS	AL PHA	SCALE	PT-PT
3 - 11.076 - 17.596 747.32666 - 64.0 9.8 - 82.2 2.9 12.19133 0.606 - 68.2 70.6 36.0 36.4 33.9 43.48875 2-3 4.11.0107 - 15.4817 74.21763 - 67.0 10.9 - 82.4 75.4 12.79705 3.147 - 88.6 72.6 22.4 41.7 39.7 62.10448 3-4 5.12.786 - 15.4817 74.21763 - 67.0 10.9 - 82.4 75.4 12.79705 3.147 - 88.6 72.6 22.4 41.7 39.7 62.10448 3-4 5.12.786 - 15.4817 74.2176 - 61.1 12.3 - 85.1 2.3 - 13.13518 0.136 - 63.1 75.2 22.4 44.3 38.5 55.1786 4-5.6 7.7 11.070 - 17.590 74.7 126.6 -64.0 9.8 - 82.2 26.9 12.19133 0.060 - 88.2 70.6 36.0 36.4 35.9 55.1786 4-6.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1															
6 - 11.015 - 15.461 744.21763 - 67.0 10.9 - e2.4 27.4 12.790C3 0.747 - e8t. C 72.6 22.3 41.7 39.7 62.10468 3 - 4 5 - 12.780 - 15.020 80.004679 - e1.1 12.3 - 85.0 20.2 13.13978 0.716 - 93.4 71.2 13.1 39.1 31.5 55.17781 4 - 5 - 12.749 - 17.208 765.71078 - 97.1 11.0 - 84.4 29.7 12.46808 0.776 - 93.4 71.1 35.1 39.1 31.5 61.62788 - 5 - 12.749 - 17.208 765.71078 - 97.1 11.0 - 84.4 29.7 12.46808 0.776 - 93.4 71.1 35.1 39.1 31.5 61.62788 - 5 - 12.749 - 17.008 76.7 11.0 75.7 11.0 - 84.4 29.7 12.46808 0.776 - 93.4 71.1 35.1 39.1 31.5 61.62788 - 5 - 12.1 31.0 11.0 11.0 11.0 11.0 11.0 11.0 11										-88.2 70	.6 36	.0 36.4	33.9		
6 - 12, 749 - 117, 208 765, 710 710 - 557, 71 11.0 - 564, 6 297, 71 12, 4860 8 0, 776 - 934, 71.1 36.1 39.1 33.5 64, 62758 5- 6 7 - 11.0 70 71.509 747, 1206, 6-64, 0 9.8 - 92.2 26.9 12.19133 0.06 8- 8.2 16.0 54, 36.0 36.4 33.9 51.93362 6- 7 8 - 10.402 - 116.651 720, 100.20 - 65.4 8.7 - 61.3 26.4 11.61361 0.464 - 86.1 69.4 36.0 36.4 36.0 36.4 37.9 51.93362 6- 7 10.102 - 11.61361 0.464 - 86.1 69.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.4 36.0 36.0 36.4 36.0 36.0 36.4 36.0 36.0 36.4 36.0 36.0 36.0 36.4 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0	4 -11.015 -	15.481	704.21765	-67.0	10.9	-t.2.4	25.4	12.79003			.6 32			62.10448	3- 4
7 - 11,070 - 17,509	5 -12.780 -	15.020			12.3			13.13358							
8 - 10.402 - 18.651 726, 10.202 - 65.4 8.7 - 61.3 26.4 11.81361 0.844 - 86.1 69.4 38.0 32.8 31.0 38.02204 7- 8 9 - 10.116 10.716 75.70374 - 65.5 9.8 - 81.3 24.9 12.34579 0.789 - 85.8 71.3 34.3 38.0 32.8 31.0 38.02204 7- 8 10 - 10.223 - 14.520 794, 49144 - 70.9 10.8 - 81.3 24.9 12.34579 0.789 - 85.8 71.3 34.3 38.0 32.8 31.0 38.02204 7- 8 10 - 10.223 - 14.520 794, 49144 - 70.9 10.8 - 81.3 23.4 12.98303 0.727 - 85.3 73.5 30.4 45.7 42.7 65.19899 9-10 11 - 11.673 - 14.081 61.0910 - 30.5 12.2 - 81.3 23.4 12.98303 0.727 - 85.3 73.5 30.4 45.7 42.7 55.176284 10-11 13 - 13.707 - 15.907 794, 9947 - 56.6 12.4 - 84.0 30.5 12.2 - 81.3 12.9 12.8 12.8 12.8 12.1 12.1 12.1 12.8 12.8													33.5	64.62758	5- 6
9 -10.316 -16.716 757, 90374 -68,5 9,8 -81.3 24.4 12.9930 0.769 -85.8 71.3 34.3 38.0 36.7 57,72161 8-9 10 -10.223 -14.5307 99.49344 -70.9 10.8 -81.3 23.4 12.9930 0.727 -85.3 5.05.43.6 42.7 65.19899 9-10 11 -11.874 -14.081 616.91580 -65.4 12.2 -83.9 26.0 12.31067 0.700 -90.9 74.6 30.4 45.7 42.7 51.76234 10-11 12 -13.802 -13.401 43.3 98131 -90.9 13.9 -91.9 9.19.9 13.9 -91.9 9.19.9 13.9 -91.9 9.19.9 9.19.9 13.7 21.1 21.7 21.5 6.003 -97.1 74.8 30.7 48.7 42.1 6.09229 11-12.1 13 -13.707 -15.907 736.93847 -50.6 12.4 -86.0 30.5 12.98030 0.728 -90.8 89.8 74.1 35.9 77.1 15.684 12-13 15.1 15.0 15.0 15.0 15.0 15.0 15.0 15.0															
10 - 10.223 - 14.530   794.03344 - 70.9   10.8 - 81.3   23.4   12.99303 0.727 - 85.3   73.5   50.5   33.6   42.7   65.19986   9-10   11 - 11.802 - 13.402   14.3.9813   -5.5.   12.2 - 18.9   26.0   13.712215   0.603   97.1   74.8   30.7   40.7   42.7   51.76234   10-11   12 - 13.802 - 13.401   43.9813   -50.5   12.4   -86.9   92.0   13.712215   0.603   97.1   74.8   30.7   46.7   42.1   .60,92293   11-12   13 - 13.070 - 15.5077   73.0   191.2   -50.5   12.4   -86.0   30.5   12.98030   0.727   -90.8   47.4   34.4   43.3   35.9   71.13684   12-13   14 - 11.902 - 18.972   70.18121   -50.8   97.7   -93.1   29.0   12.98030   0.727   -90.8   69.8   37.9   35.2   30.9   71.13684   12-13   15 - 11.902 - 18.972   70.18121   -50.8   97.7   -93.1   29.0   12.98030   0.727   -90.8   69.8   37.9   35.2   30.9   93.59211   14-15   16 - 10.402   -18.651   726.36240   -65.4   8.7   -81.3   26.4   11.81361   0.844   -86.1   69.4   37.9   35.2   30.9   93.59211   14-15   16 - 10.402   -18.651   726.36240   -65.4   8.7   -81.3   26.4   11.81361   0.844   -86.1   69.4   37.9   35.2   31.0   46.18990   15-16    THAJECTORY DATA  PHOTO DATA  PT LAT CAN RANGE ALS/L ANA ALSUM ALA ALS ALS ALS ALS ALS ALS ALS ALS ALS															
11 - 11.874 - 14.081															
12 - 13.802 - 13.491															
13 - 13. 707 - 15. 907 796. 99647 - 56.0   12.4 - 86.0   30.5   12. 99030 0.725 - 96.4   72.4 34.4 43.3 35.9   71.13684   12-13   14-13.637 - 18.015 7   16.10970 - 20.5   11.0 - 85.3   11.0   12.36216 0.786 - 97.6   0.78   0.7															
14 - 13.637 - 18.015 761.10770 - 32.5 11.0 - 85.3 31.9 12.036276 0.786 - 95.8 70.4 38.1 38.5 30.1 62.08609 13-14 5 - 11.092 - 18.372 740.18121 - 58.8 9.7 - 881.3 26.4 11.81361 0.844 - 86.1 69.4 38.0 32.8 31.0 46.18890 15-16 16 - 10.402 - 18.651 726.30420 - 65.4 8.7 - 81.3 26.4 11.81361 0.844 - 86.1 69.4 38.0 32.8 31.0 46.18890 15-16 18.00 18.0 18.0 18.0 18.0 18.0 18.0 18.															
15 - 11.402 - 18.372 7.40.18121 - 58.8 9.7 - 83.1 29.0 12.00048 0.819 - 90.8 69.8 37.9 35.2 30.9 53.59211 14-1516 16 - 10.402 - 18.651 726.30420 - 65.4 8.7 - 81.3 26.4 11.81361 0.644 - 86.1 69.4 38.0 32.8 31.0 9 53.59211 14-1516 17.0002 1															
TABLETION   146   13   187															
TRAJECTORY DATA  TRAJECTORY DATA  TRAJECTORY DATA  TRAJECTORY DATA  PHOTO DATA															
TRAJECTORY DATA    PHOTO DATA	Int V 21 1044	13 110	2) 47) 7	554 243			TAB NO	146	ATLAS	PHOTO N	0 14	6	POD S	EQUENCE NO	295
PHOTO DATA  PT LAT LCN  RANGE  ALSY/C	JULY 31,1904	13 HK	ZI PIN /	SEC 261	F-2										
PHOTO DATA  PT LAT LCN  RANGE  ALSY/C	TRAJECTORY	4140				SEC TO	IMPACT	AL T	ΙΔΤ	LCN		R	v	PTH	Δ7
PHOTO DATA  PT LAT LCN RANGE AZ5/C AZN AZSUN AZA  A** B/A AZPHAL INCO TIAZ EMIS AIPHA SCALE PI-PT  2 -11.868 -10.424 760.54893 -02.5 10.9 -83.4 27.5 12.42630 0.764 -00.8 71.7 34.2 40.2 36.6 0. 1-2  3 -11.066 -17.609 734.8724 -04.0 9.7 -82.2 26.9 11.98617 0.807 -85.2 70.5 36.0 36.3 33.8 42.73618 2-3  4 -11.011 -15.557 771.07232 -07.0 10.9 -82.4 25.4 12.57565 0.748 -86.0 7.75 36.0 36.3 33.8 42.73618 2-3  5 -12.717 -17.255 752.91837 -57.7 11.0 -84.4 29.7 12.91260 0.717 -93.7 73.1 32.4 44.2 39.3 54.23210 4-5  6 -12.717 -17.255 752.91837 -57.7 11.0 -84.4 29.7 12.219260 0.717 -93.4 71.0 36.1 39.1 33.4 63.48688 5-6  7 -11.066 -17.609 734.87244 -64.0 9.7 -82.2 26.9 11.98817 0.767 -88.2 70.5 36.0 36.1 33.8 63.48688 5-6  8 -10.409 -18.673 74.221979 -05.4 8.7 -61.3 26.4 11.61766 0.844 -86.1 69.4 38.0 32.7 31.0 37.37834 7-8  8 -10.409 -18.673 74.522400 -68.5 9.8 -61.3 24.9 12.14161 0.73C -85.8 71.3 34.3 37.9 36.7 56.73509 8-9  10 -10.233 -14.624 785.49671 -70.9 10.8 -81.3 24.9 12.14161 0.73C -85.8 71.3 34.3 37.9 36.7 56.75509 8-9  10 -10.233 -14.624 785.49671 -70.9 10.8 -81.3 24.9 12.14161 0.73C -85.3 73.4 30.5 43.5 42.6 64.0609 9-10  11 -11.637 -14.128 M33.12844 -65.4 12.2 -88.2 26.0 13.08633 C.701 -90.9 73.9 30.4 45.6 42.6 50.887682 10-11  12 -13.750 -13.606 429.43960 -52.6 10.9 -85.3 31.9 12.15617 C.787 -95.8 70.3 38.1 38.4 30.5 43.5 42.0 59.8865 11-12  13 -13.658 -15.4977 783.56598 -56.6 12.4 -86.0 30.4 12.76219 0.664 -68.1 69.4 38.0 32.7 31.0 56.791 12-34  15 -11.805 -16.406 747.58797 -65.9 9.7 -85.3 31.9 12.15617 C.787 -95.8 70.3 38.1 38.4 30.1 61.00275 13-14  15 -11.805 -12.408 748.38860 -52.6 10.9 -85.3 31.9 12.15617 C.787 -95.8 70.3 38.1 38.4 30.1 61.00275 13-14  15 -11.805 -16.406 747.58797 -65.9 9.7 -85.3 31.9 12.15617 C.787 -95.8 70.3 38.1 38.4 30.1 61.00275 13-14  15 -11.805 -16.406 747.58797 -65.5 10.9 -85.3 31.9 12.15617 C.787 -95.8 70.3 38.1 38.4 30.1 61.00275 13-14  15 -11.805 -16.406 747.58797 -65.5 10.9 -85.2 31.0 91.7 38.2 26.0 11.89860 0.665 0.79 -88.0 70.5 36.0 33.3 38.8 41.99828 2-3  16 -10.417 -18.6	11140201011	0818									9				
2 - 11.868 - 10.424 760.54493 - 62.5 10.9 - 83.4 27.5 12.42630 0.764 - 90.8 71.7 34.2 40.2 36.6 0	PHOTO DATA														
2 -11.868 -10.424 760.54893 -62.5 10.7 -83.4 27.5 12.42030 0.764 -90.8 71.7 34.2 40.2 36.6 0. 1-2 3-11.066 -17.609 734.8724 -64.0 9.7 -82.2 26.9 11.98817 0.807 -88.2 10.5 36.0 36.3 33.8 42.73618 2-3 4-11.011 -15.557 771.07232 -67.0 10.9 -82.4 25.4 12.57565 0.748 -88.0 7.0 53.0 36.3 38.3 42.73618 2-3 4-11.011 -15.557 771.07232 -67.0 10.9 -82.4 25.4 12.57565 0.748 -88.0 7.2 53.3 41.6 39.7 61.02179 3-4 5-12.714 -15.106 791.55045 -61.1 12.3 -84.9 28.2 12.91260 0.717 -93.4 71.0 36.1 39.1 33.4 63.48688 5-6 7-12.717 -17.255 752.91837 -57.7 11.0 -84.4 29.7 12.27946 0.777 -93.4 71.0 36.1 39.1 33.4 63.48688 5-6 7-10.409 -18.673 74.21979 -65.4 8.7 -61.3 26.4 11.6176 0.844 -86.1 69.4 38.0 32.7 31.0 37.37834 7-8 9-10.325 -16.770 745.2496 0-68.5 8.7 -61.3 26.4 11.6176 0.844 -86.1 69.4 38.0 32.7 31.0 37.37834 7-8 9-10.233 -14.624 785.49671 -70.9 10.8 -81.3 24.9 12.14461 0.730 -85.8 17.3 34.3 37.9 36.7 56.73590 8-9 10 -10.233 -14.624 785.49671 -70.9 10.8 -81.3 23.4 12.74646 0.728 -85.3 73.4 30.5 43.5 42.6 64.04096 9-10 1-11.657 -14.184 803.12844 -65.4 12.2 -83.8 26.0 13.08653 0.701 -90.9 73.9 30.4 45.6 42.6 50.67862 10-11 12 -13.750 -13.606 829.0560 -59.9 13.9 -86.9 28.9 13.48851 0.665 -97.1 74.6 30.7 48.5 42.0 59.84656 11-12 13.750 -13.606 829.0560 -59.9 13.9 -86.9 28.9 13.48851 0.665 -97.1 74.6 30.7 48.5 42.0 59.84656 11-12 13.750 -13.606 829.0560 -59.9 13.9 -86.9 28.9 13.48851 0.665 -97.1 74.6 30.7 48.5 42.0 59.84656 11-12 13.750 -13.606 82.0568 -15.977 783.55698 -56.6 10.9 -85.3 31.9 12.75617 0.781 -95.8 70.3 38.1 38.4 30.1 61.00275 13-14 15-11.855 -18.398 127.85460 -58.9 9.7 -58.3 12.9 12.75617 0.781 -95.8 70.3 38.1 38.4 30.1 61.00275 13-14 15-11.855 -18.398 127.85460 -58.9 9.7 -58.3 12.9 12.75617 0.781 -95.8 70.3 38.1 38.4 30.1 61.00275 13-14 15-11.855 -18.398 127.85460 -58.9 9.7 -81.3 20.4 11.61060 0.844 -80.1 69.4 38.0 32.7 31.0 45.4022 13-15 16-10.4027 13.555 12.1 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	PT LAT	LCN	RANGE	AZS/C	AZN	AZSUN	AZA	A =	H/A A	CPHAL LI	ico ni	AZ EMIS	AI PHA	SCALE	PT-PT
4 - 11.011 - 15.557 771.07222 - 67.0 10.9 - 82.4 25.4 12.57555 0.748 - 5u.C 72.5 32.3 41.6 39.7 61.02179 3- 4 5 - 12.7147 - 15.106 791.55045 - 61.1 12.3 - 84.9 28.2 12.91260 0.717 - 93.4 71.0 36.1 39.1 33.4 63.283210 4- 5 6 - 12.717 - 17.255 752.91837 - 57.7 11.0 - 84.4 29.7 12.217946 0.717 - 93.4 71.0 36.1 39.1 33.4 63.48688 5- 6 7 - 11.066 - 17.669 73.487244 - 64.0 9.7 - 82.2 26.9 11.98817 0.807 - 88.2 76.5 36.0 36.3 33.8 51.10487 6- 7 8 - 10.409 - 10.673 745.24960 - 88.5 9.8 - 7 - 81.3 26.4 11.61766 0.844 - 86.1 69.4 38.0 32.7 31.0 37.37834 7- 8 9 - 10.325 - 10.770 745.24960 - 88.5 9.8 - 81.3 24.9 12.14561 0.792 - 85.8 71.3 34.3 37.3 30.5 75.673590 8- 9 10 - 10.233 - 14.624 785.94971 - 70.9 10.8 - 81.3 23.4 12.76456 0.722 - 85.3 73.4 30.5 33.5 34.5 66.0 64.0096 9-10 11 - 11.657 - 14.184 803.12844 - 65.4 12.2 - 83.8 26.0 13.08863 0.701 - 90.9 73.9 30.4 45.6 42.6 64.04096 9-10 11 - 11.657 - 13.658 - 15.977 783.56598 - 96.6 12.4 - 86.0 30.4 12.76219 0.732 - 96.4 72.3 34.4 43.2 35.9 69.8271 12-13 13.6589 - 18.048 748.38860 - 52.6 10.9 - 85.3 31.9 12.15617 0.787 - 96.4 72.3 34.4 43.2 35.9 69.8271 12-13 13.6589 - 18.673 714.21979 - 65.4 8.7 - 88.3 26.4 11.61766 0.844 - 86.1 69.4 38.0 32.7 31.0 45.46656 11-12 12.1 12.1 12.1 12.1 12.1 12.1 12.	2 -11.868 -	16.424	760.54893	-62.5	10.9	-B3.4	27.5	12.42030	0.764	-90.8 71	L.7 34	2 40.2	36.6		
5 - 12.747   1-15.106   791.55045   -01.1   12.3   -84.9   28.2   12.9120   0.717   -93.7   73.1   32.4   4.2   39.3   54.23210   4-5   6-12.717   -17.255   752.91837   -557.7   11.0   -84.4   29.7   12.27946   0.717   -93.7   73.1   32.4   4.2   39.3   54.23210   4-5   6-7   -11.066   -17.609   734.87244   -64.0   9.7   -82.2   26.9   11.98817   0.807   -88.2   70.5   36.0   36.3   33.8   51.10887   6-7   6-7   74.5009   -18.078   74.87249   -64.0   9.7   -82.2   26.9   11.98817   0.807   -88.2   70.5   36.0   36.3   33.8   51.10887   6-7   8-7															
6 -12.717 -17.255															
7 - 11.066 - 17.609															
8 -10.409 -18.673					11.0	-84.4									
9 -10.325 -16.770															
10 -10.233 -14.624 785.49671 -70.9 10.8 -81.3 23.4 12.76456 0.728 -85.3 73.4 30.5 43.5 42.6 64.04096 9-10 11 -11.857 -14.184 803.12844 -65.4 12.2 -83.8 26.0 13.08663 0.701 -90.9 73.9 30.4 45.6 42.6 50.87682 10-11 12 -13.750 -13.606 429.6350 -59.9 13.9 -86.9 28.9 13.48851 0.665 -97.1 74.6 30.7 46.5 42.0 59.84656 11-12 13 -13.658 -15.977 783.56598 -86.6 12.4 -86.0 30.4 12.76219 0.73C -96.4 72.3 34.4 43.2 35.9 69.82971 12-13 14 -13.590 -18.048 788.3860 -52.6 10.9 -85.3 31.9 12.1517 0.787 -95.8 70.3 38.1 38.4 30.1 61.00275 13-14 15 -11.885 -18.938 77.85460 -58.9 9.7 -83.1 29.0 11.85964 0.619 -90.8 69.6 37.9 35.2 30.9 52.68022 14-15 16 -10.409 -18.673 714.21979 -65.4 8.7 -81.3 26.4 11.61706 0.844 -86.1 69.4 38.0 32.7 31.0 45.41672 15-16 16 17.0409 18.67 18.9 18.9 18.9 18.9 18.9 18.9 18.9 18.9															
11 - 11.857															
12 - 13.750   -13.606   329.63560   -59.9   13.9   -86.9   28.9   13.48851   0.665   -97.1   74.6   30.7   48.5   42.0   59.44656   11-12   13.918565   -15.977   723.56596   -56.6   12.4   -86.0   30.4   12.76219   0.730   -96.4   722.3   34.4   42.2   35.9   69.82971   12-13   14   -13.590   -18.048   748.3860   -52.6   10.9   -85.3   31.9   12.15617   0.781   -99.8   70.3   38.1   38.4   30.1   0.100275   13-14   15   -11.885   -18.398   727.85460   -58.9   9.7   -83.1   29.0   11.85964   0.619   -90.8   69.6   37.9   35.2   30.9   52.68022   14-15   16   -10.409   -18.673   714.21979   -65.4   8.7   -81.3   26.4   11.6176   0.644   -88.1   69.4   38.0   32.7   31.0   45.41672   15-16   15   15   15   15   15   15   15															
13 - 13.658   -15.477   72.35.6598   -36.6   12.4   -36.0   30.4   12.76219   0.73C   -96.8   72.334.4   43.2   35.9   69.82971   12-13   15 - 11.895   -16.948   748.38860   -52.6   10.9   -85.3   31.9   12.15617   C.781   -95.8   70.3   38.1   38.4   30.1   61.00275   13-14   15 - 11.885   -16.998   727.65460   -58.9   9.7   -83.1   29.0   11.85964   0.619   -90.8   69.6   37.9   35.2   30.9   52.68022   14-15   16 - 10.409   -18.673   714.21979   -65.4   8.7   -81.3   26.4   11.61766   0.844   -86.1   69.4   38.0   32.7   31.0   45.41672   15-16   72.4   74.2															
14 - 13.590 - 18.048 748.38860 - 52.6 10.9 - 85.3 31.9 12.15617 C.787 - 95.8 70.3 38.1 38.4 30.1 61.00275 13-14 15 - 11.885 - 18.398 127.85460 - 55.9 9.7 - 853.1 29.0 11.85964 0.619 - 90.8 69.6 81.79 35.2 30.9 52.68022 14-15 16 - 10.409 - 18.673 714.21979 - 65.4 8.7 - 81.3 26.4 11.61706 0.844 - 86.1 69.4 38.0 32.7 31.0 45.41672 15-16   TAB NO 147 ATLAS PHOTO NO 147 POD SEQUENCE NO 297  TRAJECTERY DATA									0.730	-96.4 7	2.3 34	4.4 43.2			
TRAJECTORY DATA PHOTO DATA PT LCN 2 -11.850 -10.448									C.787	-95.8 70	3.3	2.1 38.4			
TRAJECTORY DATA    TRAJECTORY DATA	15 -11.885 -	18.398	127.85480						0.619	-90.8 69					
TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN AZSUN AZA 3 - 11.062 - 17.650 722.39207 - 64.0 9.7 - 82.3 24.4 12.3 8.8 12.3 9.8 12	16 -10.409 -	18.673	714.21979	-65.4	8.7	-81.3	26.4	11.61706	0.844	-86.1 69	9.4 38	8.0 32.7	31.0	45.41672	15-16
TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LCN	JULY 31-1964	13 HK	21 MIN 12	SEC 346	MS					PHOTO N	10 14	7	POD S	EQUENCE NO	297
PHOTO DATA  PT LAT LCN RANGE AZS/C AZN AZSUN AZS				77											
PHOTO DATA  PI LAT LCN RANGE A25/C AZN AZSUN AZA A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PI-PT  2 -11.850 -16.486 747.58797 -62.5 10.9 -83.4 27.5 12.20846 0.765 -90.8 71.7 34.2 40.1 36.6 0. 1-2  3 -11.062 -17.650 722.39207 -64.0 9.7 -62.2 26.9 11.78457 0.607 -68.2 76.5 36.0 36.3 33.8 41.98283 2-3  5 -12.713 -15.192 777.79713 -61.1 12.3 -84.9 28.2 12.6085 0.749 -88.0 72.4 23.3 41.6 39.6 59.93855 3-4  6 -12.665 -17.302 740.0994 -9.77 10.9 -84.4 29.7 12.2060 0.776 -93.4 71.1 36.1 39.0 33.4 62.34587 5-6  7 -11.062 -17.650 722.39207 -64.0 9.7 -82.2 26.9 11.78457 0.807 -88.2 70.5 36.0 36.3 33.8 50.22467 6-7  8 -10.417 -18.695 702.1089 -65.4 8.7 -81.3 26.4 11.9369 0.790 -88.2 70.5 36.0 36.3 33.8 50.22467 6-7  9 -10.333 -16.825 732.56896 -68.4 9.8 -81.3 24.9 11.93699 0.790 -85.8 71.2 34.3 37.9 36.6 55.74870 8-9  10 -10.243 -14.717 772.2534 -70.8 10.8 -81.3 24.9 11.93699 0.790 -85.8 71.2 34.3 37.9 36.6 55.74870 8-9  11 -11.359 -13.722 815.28875 -59.9 13.8 -86.8 28.9 13.25533 0.790 -70.9 73.8 30.4 45.5 42.5 49.99008 10-11  12 -13.699 -13.722 815.28875 -59.9 13.8 -86.8 28.9 13.25533 0.807 -97.1 74.5 30.7 46.4 41.9 58.77037 11-12  13 -13.609 -16.048 770.14828 -56.6 12.3 -86.0 30.4 12.55533 0.807 -97.1 74.5 30.7 46.4 41.9 58.77037 11-12  14 -13.543 -18.062 735.64133 -52.6 10.9 -853.3 31.8 11.94916 0.887 -95.8 70.3 38.1 38.4 30.0 59.92061 13-14  15 -11.866 -18.462 715.50174 -58.9 9.7 -833.1 30.4 11.94916 0.887 -95.8 70.3 38.1 38.8 51.76800 14-15  5 -11.866 -18.66 -18.66 -18.3 51.76800 14-15	TRAJECTORY	DATA													
PT LAT LCN RANGE AZS/C AZN AZSUN AZN AZSUN AZ SUN A						276	.413	621.4130	9 -7.36	8 -27.5	55	2356.868	2.313	-68.791 11	5.930
2 - 11.850 - 16.486  747.58797 - 62.5  10.9 - 83.4  27.5  12.20846  6.765  - 99.8  71.7  34.2  40.1  36.6  0.  1- 2  3.1  10.02  - 17.650  722.39207  -64.0  9.7  -62.2  26.9  11.78457  0.607  -88.2  70.5  36.0  36.3  33.8  41.98283  2- 3  4  -11.008  -15.634  757.90115  -67.0  10.9  -82.3  25.4  12.36085  0.749  -88.0  72.4  32.3  41.6  39.6  59.93835  3- 4  5  -12.713  -15.192  777.77913  -61.1  12.3  -84.9  28.2  12.69122  0.718  -93.7  73.0  32.4  44.1  39.0  33.4  62.34587  5- 6  7  -11.062  -17.650  722.39207  -64.0  9.7  -82.2  26.9  11.78457  0.807  -88.2  70.5  36.0  36.3  33.8  50.22467  6- 7  8  -10.417  -18.655  702.10899  -55.4  8.7  -81.3  26.4  11.2067  0.805  -88.2  70.5  36.0  36.3  33.8  50.22467  6- 7  9  -10.333  -16.825  702.10899  -54.  8.7  -81.3  26.4  11.2067  0.845  -86.1  69.4  89.3  37.9  36.6  55.74870  8- 9  10.4339  -16.825  702.10899  -55.4  8.7  -81.3  26.4  11.2067  0.805  -85.1  69.4  38.3  37.9  36.6  55.74870  8- 9  10.1039  -14.286  789.31710  -65.4  12.1  -83.8  26.1  12.86059  0.702  -96.9  73.8  30.4  45.5  62.88204  9-10  11.3699  -15.024  70.845  -85.0  30.4  45.5  62.88204  9-10  12.3  13.609  -15.048  770.14828  -55.6  12.3  -86.8  28.9  13.25533  0.806  7.71  74.5  30.7  48.4  41.9  58.77037  11-12  13.699  -15.048  770.14828  -55.6  12.3  -86.8  28.9  13.25533  0.806  7.71  74.5  30.7  48.4  41.9  58.77037  11-12  13.699  -15.048  770.14828  -55.6  12.3  -86.8  28.9  11.24818  0.71  -96.4  72.3  34.4  34.2  35.8  68.52433  12-13  14.3  13.609  -16.048  770.14828  -55.6  12.3  -86.8  28.9  13.25533  0.806  7.71  74.5  30.7  48.4  41.9  58.77037  11-12  13.5  31.609  -16.048  770.14828  -50.6  12.3  -86.0  30.4  12.53438  0.731  -96.4  72.3  34.4  34.2  35.8  68.52433  12-13  14.5  13.609  -16.048  770.14828  -50.6  12.3  -86.8  30.4  12.53438  0.731  -96.4  72.3  34.4  34.2  35.8  68.52433  12-13  14.5  13.569  -16.048  770.14828  -50.6  12.3  -86.0  30.4  12.53438  0.731  -96.4  72.3  34.4  34.2  35.8  68.52433  12-13  14.5  13.569  -16.048  770.14828  -50.6  12.3		1.65	0.44.00	17546											
3 -11.062 -17.650															
4 - 11.000 - 15.634 757.90115 - 67.0 10.9 - 82.3 25.4 12.36085 0.749 - 88.0 72.4 32.3 41.6 39.6 59.93835 3- 4 5 - 12.713 - 15.102 777.97913 - 61.1 12.3 - 84.9 28.2 12.9012															
5 - 12.713 - 15.192 777.97913 - 61.1 12.3 - 84.9 28.2 12.69122 C.718 - 93.7 73.0 32.4 44.1 39.3 53.28517 4- 5 6 - 12.665 - 17.302 740.0994 - 97.7 10.9 - 84.4 29.7 12.07640 0.776 - 93.4 71.0 36.1 39.0 33.4 62.34587 5- 6 7 - 11.962 - 17.650 722.39207 - 64.0 9.7 - 82.2 26.9 11.7847 0.807 - 88.2 70.5 36.0 36.3 33.8 50.22467 6- 7 8 - 10.417 - 18.669 702.1089 - 65.4 8.7 - 81.3 26.4 11.2067 0.845 - 86.1 69.4 38.0 36.7 31.0 36.7 3343 7- 8 9 - 10.333 - 16.825 732.56896 - 68.4 9.8 - 81.3 24.9 11.93699 0.790 - 85.8 71.2 34.3 37.9 36.6 55.74870 8- 9 10 - 10.243 - 14.717 772.02534 - 70.8 10.8 - 81.3 23.5 12.34570 0.729 - 85.3 73.3 30.5 43.4 42.5 62.88204 9-10 12 - 13.699 - 13.722 815.28875 - 59.9 13.8 - 86.8 28.9 13.25533 0.66 7 - 97.1 74.5 30.7 48.4 41.9 58.77037 11-12 13.699 - 15.048 770.1488 - 56.6 12.3 - 86.0 30.4 12.54388 0.731 - 96.4 72.3 34.4 43.2 35.8 68.52433 12-13 14 - 13.543 - 18.082 715.6413 - 52.6 10.9 - 85.3 31.8 11.94916 0.781 - 95.8 70.3 38.1 34.4 30.0 59.92061 13-14 5-11.866 1-18.6 25 715.50174 - 58.9 9.7 - 85.3 1.8 11.94916 0.781 - 95.8 70.3 38.1 34.4 30.0 59.92061 13-14 5-11.866 1-18.6 25 715.50174 - 58.9 9.7 - 83.1 29.0 11.5836 0.820 - 90.8 69.8 37.9 35.1 30.8 51.7680 14-15															
6 - 12.685 - 17.302  740.0994 - >7.7  10.9  -84.4  29.7  12.07640  0.778 - 99.4  71.0 36.1 39.0  33.4  62.34587  5- 6  721.9207 - 64.0  9.7  -82.2  26.9  11.76470  .807 - 88.2  70.5 36.0 36.3 33.8  50.22467  6- 7  8 - 10.437 - 18.695  702.10899 - 55.4  8.7  -81.3  26.4  11.42007  0.845 - 88.1  69.4 38.0 32.7  31.0  36.73343  7- 8  9 - 10.333 - 16.825  732.56896 - 68.4  9.8 - 81.3  24.9  11.93699  0.790 - 85.8  71.2 34.3 37.9  36.6  55.74870  8- 9  10 - 10.243 - 14.717  772.02534 - 70.8  10.8 - 81.3  24.9  11.93699  0.790 - 85.8  71.2 34.3 37.9  36.6  55.74870  8- 9  11.436			777.97913												
7 - 11.062 - 17.650 722.39207 - 64.0 9.7 - 82.2 26.9 11.78457 0.807 - 88.2 70.5 36.0 36.3 33.8 50.22467 6- 7 8 - 10.417 - 18.665 702.1089 - 65.4 8.7 - 81.3 26.4 11.2007 0.845 - 86.1 69.4 38.0 32.7 31.0 36.73343 7- 8 9 - 10.333 - 16.825 732.56896 - 68.4 9.8 - 81.3 24.9 11.93659 0.790 - 85.8 71.2 34.3 37.9 36.6 55.74870 8- 9 10.243 - 14.717 772.02534 - 70.8 10.8 - 81.3 23.5 12.54570 0.729 - 85.3 73.3 30.5 43.4 42.5 62.88204 9-10 11.11.639 - 13.762 815.26875 - 99.9 13.8 - 86.8 28.9 13.25533 0.667 - 97.1 74.5 30.7 48.4 41.9 58.77037 11-12 1313.669 - 15.064 770.14828 - 556. 12.3 - 86.0 30.4 12.54570 0.729 - 65.8 73.2 36.4 42.5 42.5 49.99008 10-11 1313.669 - 15.064 770.14828 - 556. 12.3 - 86.0 30.4 12.54368 0.731 - 96.4 72.3 34.4 43.2 35.8 68.52433 12-13 14.713.543 - 18.062 715.64133 - 752.6 10.9 - 853.3 31.8 11.94916 0.781 - 95.8 70.3 38.1 38.4 30.0 59.92061 13.14 55.11.866 - 18.462 715.50174 - 58.9 9.7 - 853.1 29.0 11.5636.0.200 - 90.8 69.8 37.9 35.1 30.8 51.76680 14-15	6 -12-685 -							12.07040							
8 - 10.417 - 18.695 702.10899 - 65.4 8.7 - 81.3 26.4 11.42007 C.845 - 86.1 69.4 38.0 32.7 31.0 36.73343 7- 8 9 - 10.333 - 16.825 732.5896 - 68.4 9.8 - 81.3 24.9 11.93699 C.79C - 85.8 71.2 34.3 37.9 36.6 55.74870 8- 9 10 - 10.243 - 14.717 772.02534 - 70.8 10.8 - 81.3 23.5 12.54570 0.729 - 85.3 73.3 30.5 43.4 42.5 62.88204 9-10 11 - 11.639 - 14.286 789.31710 - 65.4 12.1 - 83.8 26.1 12.86059 C.79C - 9C.9 73.8 30.4 45.5 42.5 49.99008 10-11 2- 13.699 - 13.72 815.26875 - 59.9 13.8 -86.8 28.9 13.25533 C.667 - 97.1 74.5 30.7 48.4 41.9 58.77037 11-12 13 - 13.609 - 16.048 770.14828 - 56.6 12.3 - 86.0 30.4 12.54368 0.731 - 96.4 72.3 34.4 43.2 35.8 68.52433 12-13 14.713.543 - 18.082 73.5 75.6 14.3 - 72.6 10.9 - 85.3 31.8 11.94916 C.387 - 95.8 70.3 28.3 34.4 43.2 35.8 68.52433 12-13 15 - 11.866 1 - 18.66 25 715.50174 - 55.9 9.7 - 85.3 1.9 91.1 1.94916 C.387 - 95.8 70.3 28.3 35.1 30.8 51.7680 14-15															
9 - 10 - 33 3 - 16 - 82 5 73 2 5 6896 - 68 4 9 .8 - 81 .3 24 .9 11 .93699 C .79C - 65 .8 71 .2 34 .3 37 .9 36 .6 55 .7487 C 8- 9 10 - 10 .26 3 - 14 .717 772 .05534 - 70 .8 10 .8 - 81 .3 25 .5 12 .5570 0 .729 - 65 .3 73 .3 0.5 43 .4 42 .5 62 .88204 9 - 10 11 - 11 .039 - 14 .286 789 .317 10 - 65 .4 12 .1 - 83 .8 26 .1 12 .86059 C .702 - 90 .9 73 .8 30 .4 45 .5 42 .5 49 .99008 10 - 11 12 - 13 .699 - 13 .722 815 .26875 - 59 .9 13 .8 - 86 .8 28 .9 13 .25533 C .667 - 97 .1 74 .5 30 .7 48 .4 4 .1 58 .7037 11 - 12 13 - 13 .609 - 16 .048 770 .14828 - 56 .6 12 .3 - 86 .0 30 .4 12 .54388 C .731 - 96 .4 72 .3 34 .4 43 .2 35 .8 68 .52433 12 - 13 14 - 13 .543 - 18 .082 7 15 .51186 7 .18 .45 715 .51186 7 .18															
10 -10.243 -14.717 772.02534 -70.8 10.8 -81.3 23.5 12.54570 0.729 -65.3 73.3 30.5 43.4 42.5 62.88204 9-10 1 -11.639 -14.286 789.31710 -65.4 12.1 -83.8 26.1 12.86059 0.702 -90.9 73.8 30.4 45.5 42.5 49.99008 10-11 12 -13.6699 -13.722 815.26875 -59.9 13.8 -86.8 28.9 13.25533 0.667 -97.1 74.5 30.7 48.4 41.9 58.77037 11-12 13 -13.609 -16.048 770.14828 -56.6 12.3 -86.0 30.4 12.54368 0.731 -90.4 72.3 34.4 43.2 35.8 68.5243 12-13 14 -13.543 -18.082 735.64143 -52.6 10.9 -85.3 31.8 11.94916 0.787 -95.8 70.3 38.1 38.4 30.0 59.92061 13-14 15 -11.866 -18.425 715.50174 -58.9 9.7 -83.1 29.0 11.55836 0.820 -90.8 69.8 37.9 35.1 30.8 51.76880 14-15															
11 - 11.439 - 14.266 789.31710 - 65.4 12.1 - 83.8 26.1 12.86659 C.702 - 96.9 73.8 30.4 45.5 42.5 49.99008 10-11 12 - 13.699 - 13.722 815.26875 - 59.9 13.8 - 86.8 28.9 13.2533 0.667 - 97.1 74.5 30.7 48.4 41.9 58.77037 11-12 13 - 13.609 - 16.048 770.14828 - 56.6 12.3 - 86.0 30.4 12.54328 0.731 - 96.4 72.3 34.4 43.2 35.8 68.52433 12-13 14 - 13.543 - 18.082 73.5 14.4 21.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 1															
12 -13.699 -13.722 815.26875 -59.9 13.8 -86.8 28.9 13.25533 C.667 -97.1 74.5 30.7 48.4 41.9 58.77037 11-12 13 -13.609 -16.048 770.14828 -56.6 12.3 -86.0 30.4 12.54348 C.731 -96.4 72.3 34.4 43.2 35.8 68.52433 12-13 14 -13.543 -18.082 735.64143 -52.6 10.9 -85.3 31.8 11.94916 C.787 -95.8 70.3 38.1 38.4 30.0 59.92061 13-14 15 -11.866 -18.425 715.50174 -58.9 9.7 -83.1 29.0 11.55836 O.82C -90.8 69.8 37.9 35.1 30.8 51.76880 14-15	11 -11.839 -														
14 ~13.543 -18.082 735,64143 -52.6 10.9 -85.3 31.8 11.94916 0.787 -95.8 70.3 38.1 38.4 30.0 59.92061 13-14 15 -11.867 -18.425 715.50174 -58.9 9.7 -83.1 29.0 11.65836 0.82C -90.8 69.8 37.9 35.1 30.8 51.76680 14-15		13.722	815.26875	-59.9	13.8	-86.8	28.9						41.9	58.77037	11-12
14 ~13.543 -18.082 735,64143 -52.6 10.9 -85.3 31.8 11.94916 0.787 -95.8 70.3 38.1 38.4 30.0 59.92061 13-14 15 -11.867 -18.425 715.50174 -58.9 9.7 -83.1 29.0 11.65836 0.82C -90.8 69.8 37.9 35.1 30.8 51.76680 14-15	13 -13.609 -	16.048	770.14828		12.3	-86.0		12.54368	0.731	-96.4 7				68.52433	12-13
15 -11.86/ -18.425 715.50174 -58.9 9.7 -83.1 29.0 11.65836 0.820 -90.8 69.8 37.9 35.1 30.8 51.76680 14-15								11.94916	C-787	-95.8 7	0.3 3	8.1 38.4	30.0		
16 -10.417 -18.695 702.10899 -65.4 8.7 -81.3 26.4 11.42007 0.845 -86.1 69.4 38.0 32.7 31.0 44.64298 15-16										-90.8 6	9.8 3	7.9 35.1	30.8		
	16 -10.417 -	18.695	702.10899	-65.4	8.7	-81.3	26.4	11.42007	0.845	-86.1 6	9.4 3	8.0 32.7	31.0	44.64298	15-16

				RA-VII	CAMERA	₽B							50
JULY 31,1964 13 HR	21 MIN 17	SEC 506 I	MS	1	TAB NO	148	ATLAS	РНОТО !	<b>10</b>	148	POD S	EQUENCE NO	299 -
TRAJECTORY DATA				SEC TO		ALT	LAT	LCN		R	. v		AZ
PHOTO DATA				271.	293	610.36612	-7.41	4 -27.4	61	2345.821	2.317	-68.726 11	5.916
PT LAT LCN	RANGE	AZS/C		AZSUN	AZA	A =	B/A A			PHAZ EMIS			PT-PT
2 -11.832 -16.547			10.9	-83.4		11.99675				34.2 40.1		0-	1- 2
3 +11.058 -17.690 4 -11.005 -15.711		-64.0 -66.9	9.7	-82.2 -82.3		11.58072				36.0 36.2	33.8 39.5	41.23032 58.85677	2- 3 3- 4
5 -12.680 -15.278			12.2	-84.9		12.46967				32.3 41.5	39.2		4-5
6 -12.652 -17.349			10.9	-64.4	29.6	11 86110					33.3	61.20756	5- 6
7 -11.058 -17.690		-64.0	9.7	-H2.2	26.9	11.58072				36.0 36.2		49.34390	6- 7
8 -10.424 -18.716	689.98087	-65.4	8.7	-81.3	26.4	11.22261				38.0 32.7	31.0	36.08861	7- 9
9 -10.342 -16.880 10 -10.253 -14.811	719.87385 758.54515	-68.4 -70.8	9.8 10.អ	-81.3 -81.2	25.0 23.5	11.73015	0.791			34.3 37.9 30.5 43.3	42.4	54.76224 61.72616	8- 9 9-10
11 -11.821 -14.389	175.49874		12.1	-83.8	26.1	12.63585		-90.9 7		30.4 45.4	42.4	49.10369	
12 -13.648 -13.837			13.7	-86.8	28.9	13.02171				30.7 48.3	41.8	57.69593	11-12
13 -13.560 -16.119	756.71920		12.3	-65.9	30.4	12.32497				34.4 43.1	35.7	67.22463	
14 -13.495 -18.116	722.87661		10.9	-85.3	31.8	11.74189				38.1 38.3	30.0	58.84027	
15 -11.849 -18.452 16 -10.424 -18.716	703.13158 689.98087	-58.9	9.7 8.7	-83.1 -81.3	29.0 26.4	11.45661				37.9 35.1 38.0 32.7	30.8 31.0	50.85323 43.86822	
18 -10.424 -18.718	009.90067	-65.4	0.1	-01.3	20.4	11.22261	0.043	-00.1	7.4	30.0 32.1	31.0	43.00022	1, 10
JULY 31,1964 13 HR	21 MIN 22	SEC 626	MS		TAB NO	149	ATLAS	РНОТО	NO	149	POD S	EQUENCE NO	301
TRAJECTORY DATA				SEC TO	SMPACE	AL T	LAT	LEN		R	v	PTH	ΑZ
PHOTO DATA				266.		599.30420		0 -21.3				-68.660 11	
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	Δ*	B/A A	ZPHAZ I	NC D	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 -11.814 -16.609	721.61636		10.9	-83.4	27.5		0.766	-90.8 7	11.6	34.2 40.0	36.4	0.	1- 2
3 -11.054 -17.730	697.37607	-64.0	9.7	-82.2	26.9	11.37648				36.0 36.2		40.47757	
4 -11.001 -15.787	731.51418		10.8	-82.3	25.5	11.93052				32.3 41.4 32.4 44.0		57.77527 51.39105	3- 4 4- 5
5 -12.647 -15.364 6 -12.620 -17.396	750.79732 714.40903		12.2	-84.9 -84.4	28.2	12.24780				36.1 38.9	33.3	60.06995	5- 6
7 -11.054 -17.730		-64.0	9.7	-82.2	26.9	11.37648				36.0 36.2	33.7	48.46186	
8 -10.431 -18.738	617.82944	-65.4	8.7	-81.3	26.4	11.02516	C.845	-86.1 6		38.0 32.7	31.0	35.44315	7-8
9 -10.350 -16.935	707.15636	-68.4	9.8	-81.2	25.0	11.52293				34.3 37.8	36.5	53.77506	8- 9
10 +10.263 -14.904 11 -11.802 -14.491	745.04575 761.66216		10.8	-81.2 -83.7	23.6 26.1	12.10735				30.5 43.2 30.4 45.3	42.3	60.57129 48.21646	9-10
12 -13.596 -13.952	786.51502		13.7	-86.7	28.9	12.41040				30.7 48.2	41.7	56.62216	
13 -13.511 -16.190	743.26968		12.2	-85.9	30.3	12.10594				34.4 43.0		65.92787	
14 -13.447 -16.149	710.09329		10.8	-a5.3	31.7	11.53425	0.786			38.1 38.3	30.0	57.76002	
15 -11.830 -18.479	690.73803	-58.9	9.7	-83.1	29.0	11.25487				37.9 35.1	30.8	49.93862	
16 -10.431 -18.738	677.82744	-65.4	8.7	-e1.3	26.4	11.02516	0.845	-86.1	59.4	38.C 32.7	31.0	43.09214	12-16
JULY 31,1964 13 HR	21 MIN 27	SEC 746	MS		TAB NO	150	ATLAS	РНОТО	NO	150	POD S	SEQUENCE NO	303
TRAJECTURY DATA				SEC TU	LHUACT	AL T	LAT	LCI		R	٧	PTH	ΑZ
PHOTO DATA					053	588.2269		7 -27.2				-68.593 11	
PT LAT LON	RANGE	AZS/C	AZN	A7 SUN	AZA	Δ.				PHAZ EMIS		SCALE	PT-PT
2 -11.796 -16.671			10.9	-83.4	27.5	11.57179	0.767			34.1 39.9		0.	1- 2
3 -11.049 -17.771	584.52804	-64.0	9.7	-82.2	26.9	11.17178				36.0 36.2		39.7239C 56.6927C	2- 3
4 -10.998 -15.865 5 -12.613 -15.450	718.28229		10.8	-82.3 -84.8	25.5 28.2	11.71473				32.3 41.3 32.4 43.9	39.4 39.0	50.44225	3- 4 4- 5
6 -12.587 -17.444	701.52426		10.8	-84.4	29.6	11.44130				36.1 38.9	33.2	58.93171	5- 6
7 -11.049 -17.771	684.82804	-64.0	9.7	-82.2	25.9	11.17178	0.608			36.0 36.2		47.57825	6- 7
8 -10.437 -15.760	665.65061	-65.3	8.7	-81.2		10.82706				38.C 32.7		34.79640	7- 8
9 -10.359 -16.990	694.41058	-68.3	9.8	-81.2	25.1	11.31526				34.3 37.8	36.5	52.78621	8- 9
10 -10.273 -14.999 11 -11.784 -14.594	731.51966 747.79948		10.8	-81.2 -83.7	23.6 20.1	11.88759				30.5 43.1 30.4 45.2	42.2	59.41615 47.32805	9-10
12 -13.545 -14.068	777.19948		13.6	-86.7	28.9	12.18453				30.7 48.0		55.54815	
13 -13.462 -16.261	729.79401		12.2	-85.9	30.3	11.88646				34.4 42.9	35.6	64.6325C	
14 -13.400 -18.183	647.28020	-52.8	10.8	-85.3	31.7	11.32616	C.789	-95.8	70.2	38.1 38.2	29.9	56.67873	13-14
15 -11.812 -18.506		-58.9	9.6	-83.1	28.9	11.05247				37.9 35.0	30.8	49.02235	
16 -10.437 -18.760	665.65001	-65.3	8.7	-81.2	26.5	10.82706	0.845	-86.1	69.3	38.C 32.7	31.0	42.3144C	15-16

51

2 - 11.777 - 16.734 695.91440 - 62.5 10.8 - 63.4 27.5 11.35824 0.767 - 90.8 71.4 34.1 39.9 36.3 3.7 38.9 3 - 11.096 - 17.813 672.23156 - 64.0 9.7 - 82.2 2.9 10.96629 0.808 - 88.2 70.3 36.0 36.1 33.7 38.9 4 - 10.994 - 15.943 704.99718 - 66.9 10.8 - 62.3 25.5 11.49866 0.752 - 88.0 72.1 32.3 41.3 39.3 56.5 512.577 - 15.538 723.48740 - 61.1 12.1 - 64.8 28.2 11.80229 0.723 - 93.7 72.7 32.4 41.8 38.9 9.6 - 61.2 10.994 - 15.943 704.99718 - 66.9 10.8 - 64.4 29.6 11.29316 0.786 - 93.4 77.2 73.2 41.3 39.3 55.7 1.7 1.1 1.045 - 17.813 682.5987 - 57.8 10.8 - 84.4 29.6 11.23016 0.786 - 93.4 70.8 36.1 33.7 57.7 1 - 11.045 - 17.813 682.5987 - 57.8 10.8 - 84.4 29.6 11.23016 0.786 - 93.4 70.8 36.1 33.7 57.7 1 - 11.047 681.4126 - 68.3 37.8 1.8 12.2 53.1 11.6627 0.793 - 86.2 70.3 36.0 36.1 33.7 57.7 1 - 10.10.2 1.0 10.283 - 15.0 10.4 10.8 1.2 23.1 11.6627 0.793 - 86.2 70.3 36.0 36.1 33.7 59.3 1 46.6 10.1 10.1 0.283 - 15.0 10.4 17.9 38.9 37.7 1 10.8 - 81.2 23.1 11.6627 0.793 - 86.2 70.3 36.0 36.1 33.7 59.3 1 40.1 10.1 0.1 0.283 - 15.0 10.4 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	E NO 305	EQUENCE	POD S		151	NO	PHOTO	AILA	151	TAB NO		MS	SEC 866	21 MIN 32	64 13 HR	ULY 31,19
PHOTO DATA PT LAT LCN 2 -11.777 -16.734	AZ				221										Y DATA	TRAJECTOR
PI LAT LCN RANCE AZSYC AZN AZSON AZA A+ BAZ AZPHAZ INCO PHAZ ENTS ALPHA SCA 2-11.777 -16.734 of 5.51440 -62.5 10.8 -83.4 27.5 11.35522 0.767 -90.6 71.4 34.1 39.9 36.3 0. 3-11.045 -17.813 675.2156 -64.0 9.7 -8.22 2c.9 10.96629 0.800 -80.2 70.3 36.0 36.1 33.7 38.9 4 -10.994 -15.943 704.99716 -66.9 10.8 -82.2 2c.9 10.96629 0.800 -80.2 70.3 36.0 36.1 33.7 38.9 36.5 5-12.579 -15.538 723.46740 -61.1 12.1 -84.8 28.2 11.80229 0.722 -93.7 72.1 32.4 43.8 38.9 39.7 7 -11.045 -17.813 672.23156 -64.0 9.7 -82.2 2c.9 10.9660 0.752 -80.0 72.1 32.3 36.0 36.1 33.7 38.9 37.7 -11.046 -17.813 672.23156 -64.0 9.7 -82.2 2c.9 10.9660 0.752 -80.0 72.1 32.3 36.0 36.1 33.7 38.9 37.7 -11.046 -17.813 672.23156 -64.0 9.7 -82.2 2c.9 10.9660 0.752 -80.0 72.1 32.3 36.0 33.2 97.4 7.7 -11.046 -17.813 672.23156 -64.0 9.7 -82.2 2c.9 10.90260 0.800 88.2 70.3 36.0 33.2 97.4 7.1 -10.10.283 -11.044 -18.784 693.45256 -65.3 37.7 -81.2 26.5 10.62822 0.800 88.2 70.3 38.0 32.7 30.9 34.1 11.17.66 -14.699 733.88087 -65.3 32.0 -83.7 26.2 11.975775 0.707 -90.9 73.4 30.4 45.1 42.1 58.4 11.1 11.1 11.1 11.1 11.1 11.1 11.1 1	0 113.01.	00.720	2.550	2.50	234	110	, ,		31111330						Δ	PHOTO DAT
2 - 11.777 - 16.734	E PT-PT	SCALE	ALPHA	EMIS	PHAZ	INCD	ZPHAZ	B/A	Α.	AZA	AZ SUN	AZN	AZS/C	RANGE	LCN	
3 -11.045 -17.813 672.23156 -64.0 9.7 -82.2 26.9 1C.96629 C.805 -88.2 70.3 36.0 36.1 33.7 38.9 4 -10.994 -15.943 704.99716 -66.9 10.8 -82.3 25.5 11.49626 C.752 -88.0 72.1 32.3 36.0 36.1 33.7 38.9 55.6 5-12.579 -15.538 73.49740 -61.1 12.1 -84.8 28.2 11.80229 0.723 -93.7 72.1 32.4 43.8 38.9 49.4 51.2 51.4 51.4 51.4 51.4 51.4 51.4 51.4 51.4	1- 2	0.							11.35824	27.5	-83.4	10.8	-62.5	695.51440	-16.734	2 -11.777
5 - 12.579 - 15.538 723.48740 - 61.1 12.1 - 84.8 28.2 11.80229 0.723 - 93.7 72.7 32.4 43.8 38.9 49.4 6 - 12.556 - 17.493 688.5987 - 57.8 10.8 - 84.4 29.6 11.20316 0.786 - 93.4 70.8 36.1 38.8 38.2 57.7 7 - 11.045 - 17.613 672.23156 '-66.0 9.7 - 82.2 26.9 10.96629 0.806 - 88.2 70.3 36.0 36.1 38.3 33.7 7 46.6 8 - 10.444 - 18.784 693.42526 - 65.3 4.7 - 81.2 26.5 10.66629 0.806 - 88.2 70.3 36.0 36.1 33.7 46.6 9 - 10.367 - 17.047 681.61464 - 68.3 9.8 - 81.2 25.1 11.10676 0.793 - 85.7 71.0 34.3 37.7 36.4 51.7 9 - 10.367 - 17.047 681.61464 - 68.3 9.8 - 81.2 25.1 11.10676 0.793 - 85.7 71.0 34.3 37.7 36.4 51.7 1 - 10.263 - 15.094 717.9389 - 70.7 10.8 - 81.2 25.1 11.10676 0.793 - 85.7 71.0 34.3 37.7 36.4 51.7 1 - 10.263 - 15.094 717.9389 - 70.7 10.8 - 81.2 25.1 11.10676 0.793 - 85.7 71.0 34.3 37.7 36.4 51.7 1 - 10.263 - 15.094 71.7 39.9 3 - 70.7 10.3 4.3 37.7 36.4 51.7 1 - 10.366 - 10.346 71.7 39.9 3 - 70.9 1 - 70.2 11.06679 0.733 - 85.5 71.0 34.3 37.7 36.4 51.7 1 - 70.3 1 - 70.9 1 - 70.3 1 - 70.9 1 - 70.3 1 - 70.9 1 - 70.3 1 - 70.9 1 - 70.3 1 - 70.9 1 - 70.4 1 - 70.3 1 - 70.9 1 - 70.4 1 - 70.3 1 - 70.9 1 - 70.4 1 - 70.3 1 - 70.9 1 - 70.4 1 - 70.3 1 - 70.9 1 - 70.4 1 - 70.3 1 - 70.9 1 - 70.9 1 - 70.9 1 - 70.4 1 - 70.9	663 2- 3						-86.2	808.D	10.96629	20.9	-82.2	9.7	-64.0	672.23156	-17.813	3 -11.045
5 - 12.579 - 15.538 723.48740 - 61.1 12.1 - 84.8 28.2 11.80229 0.723 - 93.7 72.7 32.4 43.8 38.9 49.4 6 - 12.556 - 17.493 684.5987 - 57.8 10.8 - 84.4 29.6 11.20316 0.786 - 93.4 70.8 36.1 38.8 38.2 57.7 7 - 11.045 - 17.613 672.23156 - 65.0 9.7 - 82.2 26.9 10.9629 0.806 - 88.2 70.3 36.0 36.1 38.3 33.7 7 46.6 8 - 10.444 - 18.784 6.53.42526 - 65.3 4.7 - 81.2 26.5 10.60629 0.806 - 88.2 70.3 36.0 36.1 33.7 46.6 9 10.0367 - 17.047 681.61464 - 68.3 9.8 - 81.2 25.1 11.10676 0.793 - 85.7 71.0 34.3 37.7 36.4 51.7 10.0 10.263 - 15.094 717.9389 - 70.7 10.8 - 81.2 25.1 11.10676 0.793 - 85.7 71.0 34.3 37.7 36.4 51.7 10.0 10.263 - 15.094 717.9389 - 70.7 10.8 - 81.2 25.1 11.10676 0.793 - 85.7 71.0 34.3 37.7 36.4 51.7 12.1 11.766 - 14.699 733.88087 - 65.3 12.0 - 83.7 26.2 11.95775 0.707 - 90.9 73.4 36.4 45.1 42.1 46.4 12.1 13.412 - 16.334 716.26408 - 55.8 7 12.2 - 85.9 30.2 11.66613 0.735 - 90.4 72.0 34.4 42.8 35.5 63.3 14.1 13.3.412 - 16.334 716.26408 - 52.8 10.8 - 85.3 31.6 11.1730 0.790 - 99.8 70.1 38.1 38.2 29.9 55.5 15 - 11.793 - 18.535 655.6473 - 58.9 9 9.6 - 83.1 28.9 16.88931 0.21 - 90.8 69.7 37.9 35.0 30.7 48.1 6-10.449 - 18.535 655.6473 - 58.0 9.9 9.6 - 83.1 28.9 16.88931 0.21 - 90.8 69.7 37.9 35.0 30.7 48.1 6-10.449 - 18.535 655.6473 - 58.0 9.9 9.7 - 82.1 25.5 10.652822 0.865 - 86.1 69.3 38.0 32.7 70.9 41.5 10.4 10.0 10.0 10.0 10.0 10.0 10.0 10.0	474 3- 4		39.3	41.3	32.3	72.1	-88.0	0.752	11.49866	25.5	-82.3	10.8	-66.9	704.99718	-15.943	4 -10.994
7 - 11.045 - 17.813 672.23156	01C 4- 5	49.4901					-93.7	0.723	11.80229	28.2	-84.8	12.1	-61.1	723.48740		5 -12.579
7 - 11.045 - 17.813 672.23156 - 66.0 9.7 - 862.2 26.9 1	805 5-6	57.7880														
9 -10.367 -17.047 681.61464 -68.3 9.8 -81.2 25.1 11.10676 0.793 -85.7 71.0 34.3 37.7 36.4 51.7 10 -10.283 -15.094 717.97893 -70.7 10.8 -81.2 25.7 11.66694 0.793 -85.3 72.9 30.5 43.1 42.1 58.2 11 -11.766 -14.699 733.88087 -65.3 12.0 -83.7 26.2 11.95775 0.707 -90.9 73.4 30.4 45.1 42.1 58.2 11 -11.766 -14.699 733.88087 -65.3 12.0 -83.7 26.2 11.95775 0.707 -90.9 73.4 30.4 45.1 42.1 58.2 12 -13.493 -14.185 757.66349 -59.9 13.6 -86.7 28.9 12.31849 0.639 -70.0 74.1 30.7 47.9 41.4 54.4 13 -13.412 -10.334 710.20408 -56.7 12.2 -85.9 30.2 11.66613 0.735 -90.4 72.0 34.4 42.8 35.5 63.3 14 -13.357 -18.219 6 48.41969 -52.8 10.8 85.3 31.6 11.1730 0.795 -90.8 70.1 38.1 38.2 29.9 55.5 15 -11.793 -18.535 65.6673 -58.9 9.6 -83.1 28.9 10.68091 0.821 -90.8 69.7 37.9 35.0 30.7 48.1 61.0 444 -18.784 653.42528 -65.3 8.7 -81.2 26.5 10.62822 0.845 -86.1 69.3 38.0 32.7 30.9 41.5 16 -10.444 -18.784 653.42528 -65.3 8.7 -81.2 26.5 10.62822 0.845 -86.1 69.3 38.0 32.7 30.9 41.5 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	142 6- 7	46.6914	33.7													
10 -10.283 -15.094 717.9899 -70.7 10.8 -81.2 23.7 11.66694 0.733 -85.3 72.9 30.5 43.1 42.1 58.2 11 -11.766 -14.699 733.88087 -65.3 12.0 -83.7 26.2 11.95775 0.707 -90.9 73.4 30.4 45.1 42.1 46.4 12 -13.493 -1.61.87 710.2408 -59.9 13.6 -86.7 26.9 12.31844 0.673 -97.0 74.1 30.7 47.9 41.4 54.4 13 -13.412 -16.334 716.26408 -59.7 13.6 -86.7 28.9 12.31844 0.673 -97.0 74.1 30.7 47.9 41.4 54.4 13 -13.412 -16.334 716.26408 -59.9 13.6 -86.5 3 31.0 11.11730 0.790 -95.8 70.1 38.1 38.2 29.9 55.5 15 -11.793 -18.535 665.84773 -58.9 9.6 -83.1 28.9 16.64931 0.21 -90.8 69.7 37.9 35.0 30.7 48.1 15 -11.793 -18.535 665.84773 -58.9 9.6 -83.1 28.9 16.64931 0.21 -90.8 69.7 37.9 35.0 30.7 48.1 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10		34.1462														
11 - 11.766	212 8-9													681.61464	-17.047	9 -10.367
12 - 13.493 - 14.185	567 9-10													717.93893	-15.094	0 -10.283
13 - 13 - 412	615 10-11						-90.9									
14 - 13.351   -18.219   684.41964   -52.8   10.8   -95.3   21.6   11.11730   0.796   -95.8   70.1   38.1   38.2   29.9   55.5   55.11   55.11.793   -18.535   665.84773   -58.9   9.6   -83.1   28.9   10.8493   0.821   -90.8   69.7   37.7   93.0   30.7   48.1   16.10.444   -18.784   653.42528   -65.3   6.7   -81.2   26.5   10.62822   0.845   -86.1   69.3   38.0   32.7   30.9   41.5    JULY 31,1964   13 HR 21 MIN 37 SEC 986 MS	086 11-12															
15 - 11.793	221 12-13															
TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT    TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 152 POD SEQUENT   TAB NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 153 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 153 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 153 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 153 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 153 POD SEQUENT   TAB NO 152 POD SEQUENT   TAB NO 152 ATLAS PHOTO NO 153 POD SEQUENT   TAB NO 152 POD SEQUENT    TAB NO 152 POD SEQUENT    TAB NO 152 POD SEQUENT	206 13-14															
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE ALS/C ALN ALSUN ALS BELZ 25.6 11.2845 - 0.724 - 0.937 - 0.1.252 - 0.1.2845	312 14-15															
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA F1.14415 C.768 -9C.8 71.4 34.1 39.8 36.3 0. 3 -11.040 -17.856 69.960238 -03.9 9.7 -82.1 27.0 10.76027 0.809 -88.2 70.3 36.0 36.1 33.6 38.2 4 -10.990 -16.023 691.67899 -66.8 10.8 -82.2 25.6 11.28686 C.752 -88.0 72.1 32.3 41.2 39.2 54.5 6-12.521 -17.543 675.62272 -573.8 10.8 -84.2 25.5 11.28686 C.752 -88.0 72.1 32.3 41.2 39.2 54.5 6-12.521 -17.543 675.62272 -573.8 10.8 -84.2 25.5 11.28686 C.752 -88.0 72.1 32.3 41.2 39.2 54.5 71.1040 -17.856 659.60238 -63.9 9.7 -82.1 27.0 10.78027 0.809 -88.2 70.3 36.0 36.1 33.6 38.2 6.1 10.451 -18.809 641.16844 -05.3 8.7 -81.2 26.5 11.28686 C.752 -88.0 72.1 32.3 41.2 39.2 54.5 71.1 32.3 41.3 9.8 36.3 38.2 6.1 38.8 33.1 56.6 7.2 11.040 -17.856 659.60238 -63.9 9.7 -82.1 27.0 10.76027 0.809 -88.2 70.3 36.0 36.1 33.6 45.8 8.1 32.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	363 15-16	41.5336	30.9	32.7	38.0	69.3	-86.1	0.845	10.62822	26.5	-81.2	8.7	-65.3	653.42528	-18.784	0 -10.444
TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA AZ LILIATIS C.	E NO 307	EQUENCE	POD S		152	NO	S PHOTO	ATLA	152	TAB NO		MC	ARP DEZ	21 MIN 37	64 13 HR	ULY 31.19
PHOTO DATA  PT LAT	ΔZ	DTu	u			¹N.		1 4 7	AL T	INDACT	SEC TO		320 700	22		
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14 - 13.303 - 18.255 671.52730 - 52.8 10.7 - 85.3 31.6 10.90793 0.79C - 95.8 70.1 38.1 38.1 29.9 54.5 15 - 11.775 - 18.564 653.34708 - 58.9 9.6 - 83.1 28.9 10.64563 0.821 - 90.8 69.6 37.9 35.0 30.7 47.1 16 - 10.451 - 18.809 641.16884 - 65.3 8.7 - 81.2 26.5 10.642887 0.842 - 86.1 69.3 38.0 32.6 30.9 40.7    TAB NO 153 ATLAS PHOTO NO 153 POD SEQUENT TABLECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA AZSUN AZ AZSUN AZSUN AZA AZSUN A	30C 11-12															
15 -11.775 -18.564 653.34708 -58.9 9.6 -83.1 28.9 1C.64563 0.821 -90.8 69.6 37.9 35.0 30.7 47.1 16 -10.451 -18.809 641.16884 -65.3 8.7 -81.2 26.5 1C.42887 C.845 -86.1 69.3 38.0 32.6 30.9 40.7   TAB NO 153 ATLAS PHOTO NO 153 POD SEQUENCY 13.1964 13 HR 21 MIN 43 SEC 106 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA ASSUN AZA CONTROL 16.863 69.26624 -62.4 10.8 -83.3 27.6 10.92959 C.769 -90.8 71.3 34.1 39.7 36.2 0.3 -11.035 -17.899 646.4448 -63.9 9.7 -82.1 27.0 10.55378 0.805 -88.2 70.2 36.0 36.1 33.6 37.4 4 -10.986 -16.103 678.33310 -66.8 10.8 -62.2 25.6 11.06321 0.754 -88.0 72.0 32.3 41.1 39.1 53.4 5 -12.511 -15.716 696.03135 -61.1 12.0 -84.8 28.2 11.35440 C.755 -93.7 72.5 32.4 43.6 38.7 33.7 35.5 6 -12.487 -17.593 662.62717 -57.8 10.7 -84.4 29.5 1C.80655 C.781 -90.3 7.7 72.5 32.4 43.6 38.7 35.7 55.4	211 12-13		35.5	42.7	34.4	71.9										
16 -10.451 -18.809 641.16884 -65.3 8.7 -81.2 26.5 1C.42887 C.845 -86.1 69.3 38.0 32.6 30.9 40.7  TAB NO 153 ATLAS PHOTO NO 153 POD SEQUENCY  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 245.694 554.9023C -7.649 -26.972 2290.356 2.339 -68.3  PT LAT LON RANGE 4.56.4 10.8 -83.3 27.6 10.92959 C.769 -9C.8 71.3 34.1 39.7 36.2 0.3  3 -11.035 -17.899 64.94448 -65.9 9.7 -82.1 27.0 1C.55378 0.899 -88.2 70.2 36.0 36.1 33.6 37.4  4 -10.986 -16.163 678.33310 -66.8 10.8 -82.2 25.0 11.0321 0.754 -88.0 72.0 32.3 41.1 39.1 36.2 0.5  5 -12.487 -17.593 662.6271 -57.8 10.7 -88.2 29.5 11.35440 C.752 -93.7 72.5 32.4 43.6 38.7 37.5 55.4	348 13-14															
TRAJECTORY DATA  TRAJECTORY DATA  TRANCE DATA  PHOTO DATA  PT LAT LON RANGE 4ZS/C AZN AZSUN AZA 1-11.760 -10.8 -63.3 27.6 10.9255 0.769 -90.8 71.3 34.1 39.7 36.2 0.3 37.4 4-10.986 -16.103 (78.33310 -66.8 10.8 -82.2 25.6 11.06321 0.754 -88.0 72.0 36.3 41.1 39.7 36.2 0.3 37.4 5-12.511 -15.716 696.03135 -01.1 12.0 -84.8 28.2 11.33440 0.725 -93.7 72.5 32.4 43.6 38.7 47.5 6-12.487 -17.593 662.62717 -57.8 10.7 -84.4 29.5 10.80655 0.781 -93.4 70.7 36.1 38.7 33.7 35.5 47.5 6-12.487 -17.593 662.62717 -57.8 10.7 -84.4 29.5 10.80655 0.781 -93.4 70.7 36.1 38.7 33.7 35.5 55.4	087 15-16									26.5						
TRAJECTORY DATA  SEC 10 MPACT 245.694  SEC 1																
PHOTC DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA 2 -11.740 -16.863 669.726624 -62.4 10.8 -83.3 27.6 10.92959 C.769 -9C.8 71.3 34.1 39.7 36.2 0.37.4 1-10.986 -16.103 678.33310 -66.8 10.8 -82.2 25.6 11.06321 0.754 -88.0 72.0 32.3 41.1 39.1 53.4 5 -12.511 -15.716 696.03135 -61.1 12.0 -84.8 28.2 11.33440 C.725 -93.7 72.5 32.4 43.6 38.7 47.5 6 -12.487 -17.593 66.62717 -57.8 10.7 -64.4 29.5 10.80655 C.781 -93.4 70.3 36.1 33.6 38.7 33.7 55.4													SEC 106	21 MIN 43	164 13 HR	ULY 31,19
PT LAT 10N RANGE AZSIC AZN AZSUN AZA A BEA AZPHAZ INCO PHAZ EMIS ALPHA SCA 2 - 11.740 - 16.863 669.76624 - 62.4 10.8 - 63.3 27.6 10.9299 0.769 - 90.8 71.3 34.1 39.7 36.2 0.949 0.959 0.769 - 90.8 71.3 34.1 39.7 36.2 0.949 0.959 0.769 - 90.8 71.3 34.1 39.7 36.2 0.949 0.959 0.809 - 88.2 70.2 36.0 36.1 33.6 37.4 0.959 0.959 0.809 - 88.2 70.2 36.0 36.1 33.6 37.4 0.959 0.959 0.959 0.809 - 88.2 70.2 36.0 36.1 33.6 37.4 0.959 0.959 0.959 0.959 0.80	AZ 00 115.842	PTH -68.390			229											
2 -11.740 -16.863 669.26624 -62.4 10.8 -83.3 27.6 10.92959 C.769 -9C.8 71.3 34.1 39.7 36.2 0. 3 -11.035 -17.899 646.9448 -63.9 9.7 -62.1 27.0 10.55378 0.805 -88.2 70.2 36.0 36.1 33.6 37.4 -10.986 -16.1C3 678.33310 -66.8 10.8 -82.2 25.6 11.06321 0.754 -88.0 72.0 32.3 41.1 39.1 53.4 5 -12.511 -15.716 696.03135 -61.1 12.0 -84.8 28.2 11.33440 C.725 -93.7 72.5 32.4 43.6 38.7 47.5 6 -12.487 -17.593 662.62717 -57.8 10.7 -84.4 29.5 10.80655 C.781 -93.4 70.7 36.1 38.7 33.1 55.4	_													6.44.25		
3 -11.035 -17.899 646.94448 -63.9 9.7 -82.1 27.0 10.55378 0.809 -88.2 70.2 36.0 36.1 33.6 37.4 4 -10.986 -16.103 678.33310 -66.8 10.8 -82.2 25.6 11.06321 0.754 -88.0 72.0 32.3 41.1 39.1 53.4 5 -12.511 -15.716 696.03135 -61.1 12.0 -84.8 28.2 11.3540 0.725 -93.7 72.5 32.4 43.6 38.7 47.5 6 -12.487 -17.593 662.6717 -57.8 10.7 -84.4 29.5 10.80655 0.781 -93.4 70.7 36.1 38.7 33.1 55.4		SCALE														
4 -10.986 -16.103 678.33310 -66.8 10.8 -82.2 25.6 11.06321 0.754 -88.0 72.0 32.3 41.1 39.1 53.4 5-12.511 -15.716 696.03135 -61.1 12.0 -84.6 28.2 11.33440 c.725 -93.7 72.5 32.4 43.6 38.7 47.5 6-12.487 -17.593 662.62717 -57.8 10.7 -84.4 29.5 10.80655 0.781 -93.4 70.7 36.1 38.7 33.1 55.4	1	0	36.2	39.7	34.1	71.3										
5 -12.511 -15.716 696.03135 -61.1 12.0 -84.8 28.2 11.35440 C.725 -93.7 72.5 32.4 43.6 38.7 47.5 6 -12.487 -17.593 662.62717 -57.8 10.7 -84.4 29.5 1C.80695 C.781 -93.4 70.7 36.1 38.7 33.1 55.4		37.4483														
6 -12.487 -17.593 662.62717 -57.8 10.7 -84.4 29.5 10.80695 0.781 -93.4 70.7 36.1 38.7 33.1 55.4	415 3- 4															
	090 4- 5		38.7	43.6	32.4	72.5										
		55.4974														6 -12.487 7 -11.035
		44.9120														
	9779 8- 9	32.8413														
	213 9-10															
	764 10-11 1494 11-12															
	1494 11-1 <i>1</i> 1371 12-1															
14 -13.254 -18.292 658.66680 -52.4 10.7 -85.3 31.5 10.69869 0.791 -95.8 70.1 38.1 38.0 29.8 -53.4																
	968 14-1	46.2596	30-7	34.0	37.0	69.6										
	635 15-16															

	RA-VII CAMERA		52
	TAB NO	4 ATLAS PHOTO NO 154	POD SEQUENCE NO 311
JULY 31,1964 13 HR 21 MIN 48 SEC 226 MS			
TRAJECTURY DATA	SEC TO IMPACT 240.574	ALT LCN 3.76007 -7.697 -26.871 2279	R V PTH AZ 3.215 2.343 -68.322 115.827
PHOTO DATA PT LAT LON KANGE AZS/C AZN			
PT LAY LON KANGE AZS/C AZN 2 -11.722 -16.929 656.09857 -62.4 10.8	AZSUN AZA -83.3 27.6	A= B/A AZPHAZ INCO PHAZ 6	
3 +11.031 -17.944 634.25599 -63.9 9.7		.71455 0.77C -90.8 71.2 34.1 3 .34679 0.81C -88.2 70.2 36.0	36.0 33.5 36.68847 2- 3
4 -10.983 -16.184 664.95480 -66.8 10.8	-82.2 25.7	.845C3 C.755 -88.0 71.9 32.3 4	41.0 39.1 52.33079 3- 4
5 -12.478 -15.806 682.26307 -61.1 12.0	-84.8 28.2	.12980 0.726 -93.7 72.4 32.4	
6 -12.455 -17.644 649.60555 -57.8 10.7 7 -11.031 -17.944 634.25599 -63.9 9.7	-84.3 29.5 -82.1 27.0	.59459 0.782 -93.4 70.6 36.1 34679 0.81C -88.2 70.2 36.0	
7 -11.031 -17.944 634.25599 -63.9 9.7 8 -10.465 -18.859 616.56843 -65.3 8.7	-82.1 27.0 -81.2 26.6	.02874 0.846 -86.1 69.2 38.0	32.6 30.9 32.18720 7- 8
9 -10.392 -17.223 643.03823 -68.2 9.8		.47821 C.794 -85.7 70.8 34.3	37.6 36.2 48.79672 R- 9
10 -10.312 -15.386 677.01217 -70:6 10.8	-81.1 23.9	.00198 U./3/ -85.3 72.6 30.5 4	
11 -11.710 -15.017 691.94758 -65.2 11.9		.27451 G.711 -90.9 73.1 30.4	
12 -13.337 -14.541 714.09492 -59.9 13.4	-86.5 28.8	.61041 0.678 -97.0 73.1 30.7 4	
13 -13.263 -16.556 675.50308 -56.7 12.0 14 -13.207 -18.329 645.66419 -52.9 10.6	-85.8 30.2 -85.3 31.5	.00230 0.738 -96.4 71.7 34.4 .48790 0.791 -95.8 70.0 38.1	
15 -11.738 -18.624 628.26103 ->9.0 9.6	-83.1 28.9	.23689 0.822 -90.7 69.6 37.9	
16 -10.465 -18.859 616.56843 -65.3 8.7		.02874 0.846 -86.1 69.2 38.0	
• • • • • • • • • • • • • • • • • • • •			
	TAB NO	ATLAS PHOTO NO 155	POD SEQUENCE NO 313 _
JULY 31,1964 13 HR 21 MIN 53 SEC 346 MS			
TRAJECTURY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
TRASECTORT DATA	235.454	2.60358 -7.746 -26.770 226	8.059 2.348 -68.252 115.811
PHOTO DATA			
PT LAT LON KANGE AZS/C AZN	AZSUN AZA	A. B/A AZPHAZ INCO PHAZ	EMIS ALPHA SCALE PT-PT
2 -11.704 -16.995 642.90199 -62.4 10.7 3 -11.028 -17.989 621.53815 -63.9 9.7	-83.3 27.6	1.49904 0.770 -90.8 71.2 34.1	19.6 16.1 U. 1-2
3 -11.028 -17.989 621.53815 -63.9 9.7 4 -10.980 -15.266 651.54792 -66.8 10.7		1.62638 0.756 -88.0 71.8 32.3	41.0 39.0 51.23642 3- 4
5 -12.444 -15.897 688.46766 -61.1 11.9		.90476 0.727 -93.7 72.3 32.4	43.4 38.6 45.67001 4- 5
6 -12.422 -17.696 636.55527 -57.8 10.7	-84.3 29.5	.38175 0.782 -93.4 70.6 36.1	38.6 33.0 53.20247 5- 6
7 -11.028 -17.989 621.53815 -63.9 9.7	-82.1 27.0	0.13932 0.81C -88.2 70.1 36.0	36.0 33.5 43.12936 6-7
8 -10.473 -18.885 604.22375 -65.2 8.7		.82795 0.846 -86.1 69.2 38.0	37.5 36.2 47.79396 8- 9
9 -10.401 -17.282 630.11844 -68.2 9.8 10 -10.323 -15.485 663.31039 -70.5 10.8	-81.1 25.3 -81.1 23.9	0.26770 C.795 -85.7 70.8 34.3 0.77936 0.738 -85.3 72.5 30.5	42.7 41.7 53.60327 9-10
11 -11.692 -15.124 677.91493 -65.2 11.9	-83.6 26.3	.04587 0.712 -90.9 73.0 30.4	44.7 41.7 42.85657 10-11
12 -13.285 -14.660 699.53348 -59.9 13.3	-86.5 28.8	.37366 0.68C -97.0 73.6 30.7	47.4 40.9 50.16301 11-12
13 -13.214 -16.631 661.86446 -56.7 12.0		0.78018 0.739 -96.4 71.7 34.4	42.5 35.2 58.13864 12-13
14 -13.159 -18.367 632.69364 -52.9 10.6		.27725 0.792 -95.8 70.0 38.1	
15 -11.720 -18.655 615.67534 -59.0 9.6		0.03182 0.822 -90.7 69.6 37.9 0.82795 0.846 -86.1 69.2 38.0	34.9 30.6 44.41443 14-15 32.6 30.8 38.39448 15-16
16 -10.473 -18.885 604.22375 -65.2 8.7	-81.2 26.6	0.82795 0.846 -86.1 69.2 38.0	32.6 30.6 30.37446 13-10
	TAB NO	66 ATLAS PHOTO NO 156	POD SEQUENCE NO 315
JULY 31,1964 13 HR 21 MIN 58 SEC 466 MS			
		ALT LAT LON	R V PTH AZ
TRAJECTORY WATA	SEC TO IMPACT 230.334		6.887 2.352 -68.182 115.796
PHOTO DATA	230.334	11.43121 -7.173 -20.001 223	0.001 2.332 001102 1131110
OF LAT LOW DANCE ATLAC ATA	AZSUN AZA	A. B/A AZPHAZ INCO PHAZ	
2 -11.686 -17.062 629.67712 -62.4 10.7 3 -11.024 -18.034 608.79160 -63.9 9.7 4 -10.977 -16.346 638.11362 -66.7 10.7 5 -12.411 -15.988 654.64558 -61.1 11.9	-83.3_ 27.6	0.28307 0.771 -90.8 71.1 34.1	39.5 36.0 0. 1-2
3 -11.024 -18.034 608.79160 -63.9, 9.7	-62.1 27.0	3.93139 0.811 -88.2 70.1 36.0	35.9 33.4 35.16632 2- 3
4 -10.977 -16.348 638.11362 -66.7 10.7	-82.2 25.7	0.40729 0.757 -86.0 71.7 32.3	43 3 30 5 44 71200 4- 5
5 -12.411 -15.988 654.64558 -61.1 11.9 6 -12.390 -17.747 623.47641 -57.8 10.7	-84.7 28.2 -84.3 29.5	0.67928 0.728 -93.7 72.2 32.4	38.5 32.9 52.05457 5- 6
7 -11.024 -18.034 608.79160 -63.9 9.7	-82.1 27.0	3.93139 C.811 -88.2 70.1 36.0	35.9 33.4 42.23567 6- 7
8 -10.480 -16.912 591.85065 -65.2 8.7	-81.2 26.6	70.16846 0.783 -93.4 70.5 36.1 70.16846 0.783 -93.4 70.5 36.1 70.16846 0.811 -88.2 70.1 36.0 70.62670 0.846 -86.1 69.2 38.0 70.7 34.3	32.6 30.8 30.87553 7-8
9 -10.410 -17.343 617.17051 -68.1 9.6	-81.1 25.3	0.05673 0.795 -85.7 70.7 34.3	37.4 36.1 46.78989 8- 9
10 -10.333 -15.584 649.58279 -70.5 10.7	-R1.0 24.0	).55631 0.739 -85.3 72.4 3U.5	42.0 41.0 32.43880 4-10
11 -11.674 -15.232 663.85699 -65.2 11.9		C.81682 C.714 -90.9 72.9 30.4 1.13655 C.681 -97.0 73.5 30.7	44.6 41.6 41.95927 10-11 47.3 40.8 49.08679 11-12
12 -13.234 -14.78C 684.94926 -59.9 13.3 13 -13.164 -16.706 648.19867 -56.8 11.9			42.4 35.2 56.84366 12-13
14 -13.111 -18.405 619.69468 -53.0 10.6	-85.3 31-4	C.06613 0.793 -95.8 69.9 38.1	
15 -11.702 -18.687 603.06079 -59.0 9.6	-83.1 28.9	9.82628 C.823 -90.7 69.5 37.9	34.8 30.6 43.48953 14-15
	-81.2 26.6	9.62670 0.846 -86.1 69.2 38.0	32.6 30.8 37.60598 15-16

					RA-VI	I CAMERA	FB							53
JULY 31,196	54 13 HR		SEC 585			TAB NO	157	ATLA	AS PHOTO	NO	157	POD S	SEQUENCE NO	317
TRAJECTORY	Y DATA					IMPACT	ALT	LAT			R	v		A Z
PHOTO DATA	4				225	. 214	510.24249	) -/.e	45 -26.	563	2245.69	8 2.357	-68.111 115	5.780
PT LAT	LCN	KANGE	AZS/C	AZN	AZ SUN	AZA	A •	E/A	AZPHAZ	INCD	PHAZ EMIS	AL PHA	SCALE P	T-PT
2 -11.658		616.39197		10.7	-83.3	27.6	10.06612				34.2 39.5			1- 2
3 -11.019	-18.081	595.98881	-63.8	9.6	-82.1	27.1	9.72253	0.811	-88.2	70.1	36.0 35.9	33.4	34.40042	
	-16.433	624.61704	-66.7	10.7	-82.1	25.8	10.18717				32.3 40.8		49.03977	
		640.75940	-61.1	11.9	-84.7	28.2	10.45276				32.4 43.2			4- 5
	-17.801	610.33952	-57.8	10.6	-t4.3	29.5	9.95421		-93.4		36.1 38.5		50.89996	5- 6
	-16.081	595.98881	-63.8	9.6	-82.1		9.72253				36.0 35.9		41.33798	6- 7
	-18.940	579.42525	-65.2	8.7	-81.2	26.7	9.42460				38.0 32.5		30.21498	7- 8
9 -10.418 10 -10.343	-17.405 -15.686	604.16434	-68.1	9.8	-81-1	25.4	9.84481				34.3 37.4 30.5 42.5		45.77957	8- 9
	-15.342	635.79119	-70.4 -65.2	10.7	-81.0 -83.5	24.1 26.3	10.58668				30.4 44.5		51.26792 41.05755 1	9-10
	-14.902	670.29783	-59.9	13.2	-86.4	28.8	10.89834				30.7 47.2		48.00639 1	
13 -13.114	-16.784	634.47107	-56.8	11.9	-85.8	30.1	10.33405				34.4 42.3		55.54221 1	
14 -13.063	-18.445	606-64010	-53.0	10.5	-85.3	31.3	9.85411				38.1 37.8		49.03865 1	
	-18,720	590.39211	-59.0	9.5	-83.1		9.61986				37.9 34.8		42.56090	
	-18.940	579.42525	-65.2	8.7		26.7	9.42460				38.0 32.5		36.81378 1	
JULY 31,196	QH E1 24	22 MIN	Sec 705	. M.C		TAB NO	158	ATLA	AS PHOTO	NO	158	POD S	SEQUENCE NO	319 _
002. 3111.	54 IS 11K	22 1.111 0	320 103											
TRAJECTOR	Y DATA				SEC TO		AL T	LAT			ĸ	٧		ΑZ
					220	.094	499.0370	2 -7.8	895 -26.	458	2234.49	2 2.361	-68.040 115	5.763
PHOTO DATA														
PT LAT	LCN	RANGE			AZSUN		4+	H/A	AZPHAZ		PHAZ EMIS		SCALE !	ri-ri
		603.07657					9.84867				34.2 39.4		0.	1- 2
	-18.129 -16.517	583.15543		9.6			9.51318				36.0 35.8			2- 3
	-16.317	611.09109 626.84455	-66.7 -61.1	10.7			9.96658				32.3 40.7 32.4 43.1		47.93737 42.78793	
	-17.856	597.17204	-57.8	11.8			9.73947				36.1 38.4		49.74504	4- 5 5- 6
	-18.129	583.15543	-63.8	9.6		27.1	9.51318		-88.2	70.0	36.0 35.8	33.3	40.43825	6- 7
8 -10.494	-16.969	566.96957	-65.1	8.7	-81.2	26.7	9.22201		-86.1		38.0 32.5		29.55321	7- 8
9 -10.427	-17.467	591.12807	-68.0	9.8			9.63240				34.3 37.3		44.76777	8- 9
	-15.788	621.97177	-70.4	10.7			10.10769	0.741	-85.3	72.2	30.5 42.4	41.4	50.09702	9-10
	-15.452	635.58155	~65.1	11.8			10.35611				30.4 44.4		40.15447	10-11
	-15.025	655.62152	-59.9	13.2			10.65972				30.7 47.0		46.92559 1	
13 -13.064	-16.862	620.71431	-56.8	11.8			10.11001		-96.4	71.4	34.4 42.2	35.0	54.24239	12-13
14 -13.014	-18.486	593.55520	-53.0	10.5			9.64160				38.1 37.8		47.93838	
	-18.754	577.69270	-59.0	9.5			9.41294				37.9 34.8		41.63052	14-15
16 -10.494	-18.969	566.96957	-65.1	8.7	-81.2	26.1	9.22201	0.847	-86.1	64. I	38.0 32.5	30.7	36.01982 1	15-16
JULY 31,19	64 13 HR	22 MIN 13	SEC 825	MS		TAB NO	159	ATL	AS PHOTO	NO	159	POD	SEQUENCE NO	321
TO 4 150 - 00	W DATA				666 70	140167			•					
TRAJECTOR	TUATA					IMPACT	ALT 487.8156	LA1 4 -7.9	1 LC 946 -26.		R 2223.27	V 1 2 366	PTH /	AZ 5.747
PHOTO DAT	Δ				214	• / ( 7	401.0120	-1.5	,70 -20.		2423.21	1 2.300	-01.700 11	2.147
PT LAT	LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A *	B/A	AZPHAZ	INCD	PHAZ EMIS	AL PHA	SCALE I	PT-PT
		509.73415				27.7	9.63077				34.2 39.3			1- 2
			-63.8	9.6			9.30337				36.0 35.8		32.86619	2- 3
	-16.602	597.53921		10.7			9.74557				32.3 40.6		46.83468	3- 4
5 -12.308	-16.269	612.90472	-61.1	11.8	-84.6		9.99836	0.732	-93.7		32.4 43.0		41.82362	4- 5
6 -12.289	-17.911	583.97710	-57.8	10.6	-84.3	29.4	9.52428	0.785	-93.4	70.3	36.1 38.3	32.8	48.59035	5- 6
	-18.177	570.29429		9.6	-82.1		9.30337				36.0 35.8		39.53707	6- 7
	-18.998	554.48618		8.7			9.01896	0.847	-86.1		38.0 32.5		28.89042	7- 8
	-17.530	578.06483		9.7			9.41955	0.797	-85.7		34.3 37.3		43.75487	8- 9
10 -10.363	-15.890	608.12828		10.7			9.88276				30.5 42.3		48.92672	9-10
11 -11.618	-15.563	621.40678		11.8			1C.12515				30.4 44.2		39.25035	
	-15.147	640.92461		13.1			10.42078				30.7 46.9		45.84466	
13 -13.013	-16.940	606.93185	-56.8	11.8			9.88555				34.4 42.1		52.94491	
14 -12.965	-18.527	580.44286			-85.3						38.1 37.7		46.83775	
	-18.788	564.96523 554.48618			-83.1 -81.2		9.20556				37.9 34.7 38.0 32.5		40.69882	

JULY 31,1964 13 HR	22 MIN 18	SEC 945	MS	•	TAB NO	160	ATLA	S PHOTO	NO	160	POD S	EQUENCE N	0 323 ~
TRAJECTORY DATA				SEC TO		ALT	LAT					PTH	AZ
PHOTE DATA				209.	854	476.57742	-7.9	97 -26.	245	2212.	.033 2.371	-67.895 1	15.730
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	Α.	B/A	AZPHĀZ	INCD	PHAZ FE	IS ALPHA	SCALE	PT-PT
2 -11.612 -17.338	576.37039		10.6	-83.2	27.7	9.41254					9.3 35.7	0.	1- 2
3 -11.005 -18.225	557.41013	-63.8	9.6	-82.0	27.1	9.09319				36.1 35		32.09902	2- 3
4 -10.962 -16.688	583.96777	-66.6	10.7	-82.1	25.9	9.52424				32.3 40		45.73296	
5 -12.273 -16.363	598.94678	-61-1	11.8	-84.6	28.2	9.77Gt7				32.4 42		40.85883	
6 -12.255 -17.965	570.75974	-57.8	10.6	-84.3	29.4	9.30872				36.1 30			
7 -11.005 -18.225	557.41013	-63.6	9.6	-82.0	27.1	9.09319		-86.2				38.63484	
8 -10.508 -19.027 9 -10.443 -17.593	541.97904 564.97996	-65.1 -67.9	9.7	-81.1 -81.1	26.8 25.5	8.81553 9.20635				38.0 3		42.74194	
10 -10.373 -15.992	594.26786		10.7	-80.7	24.3	9.65755				30.6 4		47.75842	
11 -11.599 -15.674	607.21623	-65.1	11.8	-63.4	26.4	9,89393				30.4 44		38.34564	
12 -13.024 -15.270	626,21535	-59.9	13.0	-86.3	28.8	10.18163				30.1 40		44.76448	
13 -12.963 -17.019	593.12984	-56.8	11.7	-85.7	30.0	9.66076	0.745	-96.3	71.3	34.4 4		51.65147	
14 -12.916 -18.567	567.30765	-53.1	10.4	-85.3	31.2	9.21532				38.1 3		45.73793	
15 -11.627 -18.822	552.21394	-59.0	9.5	-83.1	28.9	8.99779				37.9 3		39.76591	
16 -10.506 -19.027	541.97904	-65.1	8.7	-81.1	26.8	8.81553	0.847	-86.1	69.1	38.0 3	2.4 30.7	34.42712	15-16
					TAB NO	161	ATLA	AS PHOTO	NO	161	POD S	EQUENCE N	0 325
JULY 31,1964 13 HK	22 MIN 24	SEC 65	MS										
TRAJECTORY DATA				SEC TO 204.		ALT 465.3223	LAT				R V	PTH -67.822 1	AZ 15.713
PHOTO DATA				204	, ,,,	463436631		.40 20.			213.0		
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A =	d/A	AZPHAZ	INCD	PHAZ E	MIS_ALPHA	SCALE	PT-PT
2 -11.592 -17.408		-62.3	10.6	-83.2	27.7	9.19382					9.2 35.6	0.	1- 2
3 -11.000 -16.273	544.49648	-63.7	9.6	-82.0	27.2	8.88253					5.1 33.2	31.33126	
4 -10.950 -16.773	570.36851	-66.5	10.7	-u2.6	26.0	9.30245				32.3 4		44.63073	
5 -12.238 -16.457	584.96190	-61.1	11.7	-84.6	28.2	9.54253				32.4 4		39.89273	
6 -12.221 -18.020	557.51312	-57.8	10.5	-84.3	29.4	9.09269				36.1 3		46.28416	
7 -11.000 -18.273	544.49648	-63.7	9.6	-82.0	27.2	8.88253 8.61162		-86.1		38.0 3	5.7 33.2 2.4 30.6	37.73088 27.56285	
8 -10.514 -19.056 9 -10.451 -17.657	529.44251 551.86628	-65.0 -67.9	8.7 9.7	-81.1 -81.0	26.8 25.6	8.99268		-85.7		34.3 3		41.72776	
10 -10.382 -16.094	280.38139	-70.2	10.7	-80.9	24.4	9.43192		-85.3		30.6 4		46.59052	
11 -11.580 -15.785	593.00022	-62.1	11.7	-H3.4	26.5	9.66230		-90.9	72.3	30.4 4	4.0 41.0	37.43968	10-11
12 -12.971 -15.392	611.48335	-59.9	13.0	-66.2	28.8	9.94211		-97.0	72.9	30.7 4	6.6 40.1	43.68421	11-12
13 -12.912 -17.097	579.30022	-56.8	11.7	-85.7	30.0	9.43553	0.746	-96.3	71.2	34,4 4	1.9 34.7	50.36007	
14 -12.860 -18.608	554.14326	-53.1	10.4	-85.3	31.0	9.00151		-95.8				44.63753	
15 -11.607 -18.856	534.432H6	-59.0	9.5	-83.1	28.9	8.78954		-90.7				38.83169	
16 -10.514 -19.056	529.44251	-65.0	A . 7	-81.1	26.8	8.61162	0.847	-86.1	69.1	38.0 3	2.4 30.6	33.62808	12-10
JULY 31,1964 13 HR	22 MIN 29	SEC 185	MS		TAB NO	162	ATL	AS PHOTO	NO	162	POD	SEQUENCE N	10 327
TRAJECTORY DATA				SEC TO 193		ALT 454.05C4	LA1 8 -8-1	T LI ICI ~26	GN .028		R V .506 2.381	-67.748 1	15.696
PHOTO DATA PT LAT LON	RANGE	A75/C	AIN	AZ SUN	AZA	A •	H / A	A 7 U H A 7	INCD	DHA7 E	MIS ALPHA	SCALE	PT-PT
2 -11.573 -17.479	549.55523		10.6	-83.2	27.7	8.97462		-90.8			9.1 . 35.5	.0.	1- 2
3 -10.995 -18.322	531.55233	-63.7	9.6	-82.0	27.2	8.67137		-86.2	69.8	36.1 3	5.6 33.1	30.56262	
4 -10.954 -16.859	556.74020	-66.5	10.7	-82.0	26.0	9.08019		-88.0		32.3 4		43.52789	
5 -12.203 -16.551	570.74884	-61.1	11.7	-84.5	28.2	9.31394		-93.7		32.4 4		38.92528	3 4-5
6 -12.187 -18.076	544.23617	-57.9	10.5	-84.3	29.4	E.87616	0.787	-93.4		36.1 3		45.13089	
7 -10.995 -18.322	531.55233	-63.7	9.6	-B2.0	21.2	8.67137	0.814	-88.2		36.1 3		36.8250	
8 -10.521 -19.086	516.87564	-65.0	9.7	-81.1	26.8	8.40722		-86.1		38.0 3		26.8974	1 7-8
9 -10.459 -17.721	538.72272	-67.9	9.7	-81.0	25.6	8.77852		-65.7		34.3 3		40.71220	
10 -10.397 -16.197	566.46757	-10.2	10.7	-80.9	24.4	9-20584		-85.3 -90.9		30.6 4		45.42282	
11 -11.561 -15.896 12 -12.917 -15.515	578.75741	-65.0 -59.9	11.7	-83.3	26.5	9.43024		-90.9 -97.0		30.4 4		42.6035	
12 -12.917 -15.515 13 -12.860 -17.176	596.72710	-56.8	12.9	-86.2 -85.7	28.8 30.0	9.70219		-96.3		34.4 4		49.0704	
14 -12.816 -18.650	540.94873	-53.1	10.4	-85.1	31.1	8.78721		-95.8		38.1.3		43.5364	
15 -11.588 -18.891	526.62109	-59.0	9.5	-83.1	28.9	8.58079		-90.7			4.6 30.4	37.8957	
16 -10.521 -19.086	516.87564		8.7		26.8	E-40722				38.0 3		32.8273	

						TAD NO.									
JULY 31,19	64 13 HR	22 MIN 34	SEC 305	MS		TAB NO	163	ATL	AS PHOTO	NO	163		POD S	EQUENCE N	0 329
TRAJECTOR					SEC TO	IMPACT	ALT	LΔ.	T LI	CN		R	ν	PTH	ΑZ
011070 047					194.	495	442.7620				217			-67.673 1	
PHOTO DAT	LCN	RANGE	AZS/C	AZN	AZ SUN	AZA	Δ.	8/4	AZPHAZ	LNCD	РНД 7	EMIS	A1 PHA	SCALE	PT-PT
2 -11.554	-17.550	536.09190		10.6	-83.2	27.7	8.75476				34.2			0.	1- 2
	-18.372		-63.7	9.6	-82.0	27.2	8.45956				36.1			29.79199	
4 -10.950 5 -12.168	-16.946 -16.647		-66.5	10.6	-82.0 -84.5	25.1	8.85726		-88.0		32.3		38.3	42.42232	
6 -12.152	-18.132		-61.0 -57.9	11.7 10.5	-84.5 -84.3	28.2 29.4	9.08468 8.65897		-93.7 -93.4		32.4 36.1		37.8 32.5	37.95540 43.97526	
7 -10.990	-18.372	518-56837	-63.7	9.6	-82.0	27.2	8.45956		-88.2		36.1		33.1	35.91684	6- 7
8 -10.527	-19.117	504.27039	-64.9	8.7	-81.1	26.9	8.20220		-86.1		38.C		30.6	26.22969	
9 -10.467	-17.786	525.53902	-67.8	9.7	-81.0	25.7	8.56370	0.400	-85.7		34.3		35.7	39.69358	8- 9
10 -10.401	-16.301	552.51331	-70.1	10.7	-80.9	24.5	8,97910	C.747	-85.3		30.6		40.9	44.25297	
11 -11.541 12 -12.864	-16.008 -15.639	564.474C8 581.93188	-65.0 -59.9	11.7	-83.3 -86.2	26.6 28.8	9.19751 9.46164		-90.9 -91.0		30.4		40.8 39.9	35.62275	
13 -12.809	-17.256	551.54329	-56.8	11.6	-55.7	30.0	8.98347		-96.3	71.0	30.7 34.4	40.4	34.6	41.52132	
14 -12.766	-18.692	527.71513	-53.2	10.3	-85.3	31.1	8.57228		-95.8	69.6	38.1	37.4	29.4	42.43260	
15 -11.568	-18.927	513.77021	-59.0	9.5	-83.1	28.9	8.37140		-90.7				30.3	36.95749	
16 -10.527	-19.117	504.27039	-64.7	8.7	-81.1	26.9	8.20220	C.848	-86.1				30.6	32.02410	
						TAD NO	164	4.71	40 01:0-0						
JULY 31,19	64 13 HR	22 MIN 39	SEC 425	MS		TAB NO	164	AIL	AS PHOTO	NO	164		POD S	SEQUENCE N	0 331
			010 112												
TRAJECTOR	Y DATA					IMPACT		LA.		C N		ĸ	٧	PTH	ΔZ
PHU10 UAI					189.	375	431.4559	C -8.	206 -25	.805	216	6.911	2.390	-67.597 1	15.661
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	ΛΖΛ	Λ.	H / A	AZPHAZ				A L DUI A	SCALE	PT-PT
2 -11.534		522.59891		10.6	-83.2	27.7			-90.8					0.	1- 2
3 -10.785	-18.422			9.6	-82.0	27.2	8.24725		-88.2		36.1		33.0	29.02079	
	-17.033	529.37329	-66.4	10.6	-82.0	25.1	6.63386				32.3		38.2	41.31635	
5 -12.132	-16.743	542.81366	-61.0	11.6	-64.5	20.2	8.85497				32.4		37.6	36.98430	
6 -12.118 7 -10.985	-18.189 -16.422	517.57183	-57.9 -63.7	9.6	-84.2 -82.0	29.4	8.44129		-93.3		36-1		32.5	42.81971	
8 -10.533	-19.148	491.63467	-64.7	8.7	-82.0	27.2 26.9	8.24725 1.99667				36.1 36.C		33.0	35.0068C 25.56097	
9 -10.474	-17.851	512.32563	-67.8	9.7	-81.0	25.7	8.34840						35.6	38.67375	
10 -10.410	-16.406	538.53233	-70.1	10.7	-80.8	24.6	8.75193							43.08361	
11 -11.522	-16.121		-65.0	11.7	-83.3	26.6	8.96436		-90.9	12.0	30.4	43.7	40.7	34.71200	
12 -12.810	-15.764	567.11332	-59.9	12.8	-86.1	28.8	9.22071							40.43875	
13 -12.757 14 -12.716	-17.337 -18.735	537.61636 514.45137	-56.8 -53.2	11.6	−85.7 −85.3	27.9	8.75665				34.4		34.5	46.49121	
15 -11.548	-18.963	500.88855	-59.0	10.3 9.4	-83.1	31.0 28.9	8.35686 8.16150		-95.8 -96.7		38.1 37.9		29.4 30.3	41.32827	
	-19.148	491.63467		8.7	-81.1				-86.1		38.0			36.01756 31.21918	
JULY 31,19	64 13 HR	22 MIN 44	SEC 545	MS		TAB NO	165	ATL	AS PHOTO	NO	165		POD S	EQUENCE N	0 333
TRAJECTOR	V DATA				LEC TO	IMPACT	A4 T			- NI		0		0.71	
IRAJECTOR	T DATA					1 PPACI 255		C -R		EN 692	216	R 55 500	2 306	PTH -67.521 1	AZ
PHOTO DAT	Α				107		.20.1329		200 -25	• 5 72	21:		2.373	01.521 1	17.043
PT LAT	LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A *	B/A	AZPHAZ	INCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
2 -11.514	-17.693	509.08492			-83.1		8.31372				34.2			0.	1- 2
	-18.472		-63.6	9.6	-82.0		8.03457		-86.2		36.1		33.0	28.24995	
4 -10.940 5 -12.097	-17.12C -16.839	515.65643 528.71465	-66.4 -61.0	10.6	-82.0 -94.5	26.2 28.2	8.41016 8.62497		-88.0 -93.7		32.3		38.1	40.21150	
6 -12.083	-18.246	504.20240	-57.9	10.4	-84.2	29.4	8.22326				32.4 36.1		37.5 32.4	36.01264 41.66590	
7 -10.979	-18.472	492.51667	-63.6	9.6	-82.0	27.3	8.03457				36.1		33.0	34.09573	
8 -10.539	-19.179	478.97521	-64.9	8.7	-91.1	26.9	7.79076	0.849	-86.1	68.9	38.C	32.3	30.5	24.89186	7- 8
9 -10.482	-17.916	499.09087	-67.7	9.7	-81.0	25.8	8.13275				34.3		35.5	37.65399	
10 -10.419	-16.510	524.53497	-70.0	1C.7	-80.6	24.7	8.52448		-85.3		30.6		40.7	41.91639	
11 -11.502 12 -12.756	-16.234	552.26307	-65.0 -29.9	11.6	-83.3	26.6	8.73096				30.5		40.5	33.80077	
13 -12.705	-15.888 -17.417	523.67031	-56.8	12.8	-86.1 -85.6	28.8 29.9	8.97960 8.52952				30.7		39.6 34.4	39.35688 45.20675	
14 -12.665	-18.777	501.16489	-53.2		-8.5.3	31.0	8.14106							40.22493	
15 -11.528	-18.999	487.98309	-58.9	9,4	-83.1	28.9	7.95123				37.9		30.2	35.07672	
16 -10.539	-19.179	478.97521	-64.9	8.7		26.9	7.79076						30.5	30.41279	

												_	
					CAMERA							7	56
JULY 31,1964 13 HR	22 MIN 49	SEC 665	MS	1	TAB NO	166	ATL	AS PHOTO	NO	166	POD S	EQUENCE NO 33	35
TRAJECTORY DATA				SEC TO 179.		ALT 4CB.79272	LAI			R 2144.246	V 2-400	PIH AZ -67.444 115.62	24
PHUTU DATA						400117212							
PT LAT LEN	RANGE	AZS/C		AZ SUN	AZA	A =	B/A	AZPHAZ		PHAZ EMIS		SCALE PT-1	
	495.58517	-62.2 -63.6	9.6	-83.1	27.8	8.09326 7.82201		-88.2		34.2 38.8 36.1 35.4		27.48336 2-	3
3 -10.973 -16.520 4 -10.935 -17.205	479.48703 501.95907	-66.4	10.6	-82.0 -81.9	21.3	8.18676		-88.0	70.9	32.3 40.0	38.0	39.11426 3-	4
5 -12.061 -16.932	514.63901	-61.0	11.5	-84.4	28.2	8.39536			71.3	32.4 42.3	37.5	35.04368 4-	5
6 -12.047 -18.300	490.84298	-57.9	10.4	-64.2	29.3	8.00538		-93.3		36-1 37-9	32.3	40.52093 5-	
7 -10.973 -18.520	479.48703	-63.6	9.6	-82.0	27.3	7.82201				36.1 35.4	32.9	33.18598 6- 24.22556 7-	
8 -10.545 -19.208	466.31854	-64.8	8.7	-81.1	26.9	7.58490		-86.1 -85.7		38.0 32.3 34.3 34.8	30.5 35.5	36.63972 8-	
9 -10.489 -17.979	485.86834 510.56381	-67.7 -70.0	9.7	-80.9 -90.8	25.8 24.7	7.91730 8.29746				30.6 41.6	40.6	40.75876 9-	
10 -10.428 -16.612	221.54517	-64.9	11.6	-83.2	26.7	E.49864				30.5 43.5	40.4	32.89223 10-	11
12 -12.702 -16.009	537.48919	-59.9	12.7	-86.0	26.8	8.73967		-97.0	72.2	30.7 46.0	39.5	38.28004 11-	
13 -12.653 -17.495	509.742/1	-56.9	11.5	-85.6	29.9	8.302tA				34.4 41.4	34.3	43.93523 12-	
14 -12.615 -18.818	487.88510	-53.2	10.2	-85.3	31.0	7.92537		-95.8		38.1 37.2	29.3	39.12887 13- 34.13729 14-	
15 -11.507 -19.033	475.08160	-59.0	9.4	-83.0	28.9	7.741C1 7.58490		-90.7 -86.1		37.9 34.4 38.0 32.3	30.2 30.5	29.60685 15-	
16 -10.545 -19.208	466.31854	-64.8	8.7	-41.1	26.9	7.58490	0.849	-80.1	00.9	38.0 32.5	30.7	17100007 17	
					TAB NO	167	ATL	AS PHOTO	ON C	167	POD S	EQUENCE NO 3	37 _
JULY 31,1964 13 HF	1 _2 MIN 54	SEC 784	M.S										
TRAJECTORY DATA				SEC TO	INPACT	AL T	LA	T L	CN	к	٧	PTH AZ	
TRAJECTORY DATA				174.		397.43472				2132.89	2.405	-67.366 115.6	06
PHOTO DATA													
PT LAT LUN	RANGE	AZS/C	AZN	AZ SUN	AZA	Α	8/A	AZPHAZ	INCO	PHAZ EMIS	ALPHA	SCALE PT-	PI .
	+82.05203		10.5	-83.1	27.8	7.87225 7.60891				34.2 38.7 36.1 35.4		26.71571 2-	3
3 -10.967 -18.569	466.42367	-63.6 -66.3	9.6	-82.0 -81.9	27.3	7.96284			70.8	32.3 40.0	37.9	38.01593 3-	. 4
4 -10.930 -17.291 5 -12.025 -17.026	500.53147		11.5	-84.4	28.3	8.16522			71.2	32.4 42.2	37.4	34.07313 4-	- 5
6 -12.012 -18.355	477.44998		10.4	-84.2	24.3	7.78495	C.791	-93.3	69.9	36.1 37.8	32.3	39.37527 5-	
7 -10.967 -18.569	466.42367		9.6	-82.0	27.3	_ 7.60891	0.816	-88.2	69.6	36.1 35.4	32.9	32.27435 6-	· 7
8 -10.551 -19.238	453.62850		8.7	-81.1	27.0	7.37849	0.849	-86.1		38.0 32.2 34.3 36.8		23.55793 7- 35.62372 8-	8
9 -10.496 -18.043	472.61258		9.7	-80.8	25.9	7.70131 8.06993	0.802	-85.7 -85.2		30.6 41.5		39.60075 9-	
10 -10.437 -16.715 11 -11.461 -16.454	496.56144 507.21947	-69.9 -64.9	10.7	-83.2	26.7	8.26462				30.4 43.4		31.98217 10-	
12 -12.648 -16.130	522.66686		12.6	-86.0	28.8	8.49808	0.700	-97.0		30.7 45.8		37.20238 11-	12
13 -12.601 -17.573	495.78283		11.4	-85.6	29.8	8.07532	0.752	-96.3		34.4.41.4		42.66471 12-	-13
14 -12.564 -18.859	474.57205		10.2	-85.3	30.9	7.70913				38.1 37.2		38.03164 13-	
15 -11.487 -19.067	462.14634		9.4	-83.0	28.8	7.53024	0.827	-90.7		37.9 34.4		33.19592 14- 28.79904 15-	
16 -10.551 -19.238	453.62850	-64.8	8.7	-81.1	27.0	7.37849	0.849	-86.1	68.4	38.0 32.2	30.4	20.17704 13:	. 10
					TAB NO	168	ATL	AS PHOTO	ON C	168	POD :	SEQUENCE NO 3	339
JULY 31,1964 13 H	R 22 MIN 59	SEC 904	MS										
TRAJECTORY DATA				SEC TO	TMPACT	AL T	LA	T L	CN	R	٧	PTH AZ	
TRASECTORT DATA					895	386.0589		424 -25		2121.51	4 2.410	-67.288 115.5	587
PHOTO DATA													
PT LAT LCN	RANGE	AZS/C		AZSUN	AZA	A+				PHAZ EMIS		SCALE PT-	
	468.48658		10.5			7.65072			49.5	34.2 38.7 36.1 35.3	32.8	25.94725 2-	- 3
3 -10.951 -18.618				-81.9	27.3	1037361							- 4
				-H1.9	26 - 3	7.73840						36.91670 3-	
4 -10.925 -17.377	474.46764	-66.3	10.6		26.3	7.73840 7.93458	0.768	-88.0	70.7	32.3 39.9	37.8	33.10101 4-	- 5
4 -10.925 -17.377 5 -11.988 -17.121	474.46764 486.39328	-66.3 -61.0		-84.4	26.3 28.3 29.3	7.93458 7.568CU	0.768 0.743 0.792	-88.0 -93.7 -93.3	70.7 71.1 69.8	32.3 39.9 32.4 42.1 36.1 37.1	37.8 37.3 32.2	33.10101 4- 38.22915 5-	- 6
4 -10.925 -17.377 5 -11.988 -17.121 6 -11.976 -15.411 7 -10.961 -18.618	474.46764 486.39328 464.02437 453.32750	-66.3 -61.0 -57.9 -63.6	10.6 11.5 10.3 9.6	-84.4 -84.2 -81.9	28.3 29.3 27.3	7.93458 7.568CU 7.39527	0.768 0.743 0.792 0.817	-88.0 -93.7 -93.3 -88.2	70.7 71.1 69.8	32.3 39.9 32.4 42.1 36.1 37.1 36.1 35.3	37.8 37.3 32.2 32.8	33.10101 4- 38.22915 5- 31.36075 6-	- 6 - 7
4 -10.925 -17.377 5 -11.988 -17.121 6 -11.976 -18.411 7 -10.961 -18.618 8 -10.556 -19.268	474.46764 486.39328 464.02437 453.32750 440.90589	-66.3 -61.0 -57.9 -63.6 -64.8	10.6 11.5 10.3 9.6 8.8	-84.4 -84.2 -81.9 -81.0	28.3 29.3 27.3 27.0	7.93458 7.568CU 7.39527 7.17155	0.768 0.743 0.792 0.817 0.849	-88.0 -93.7 -93.3 -88.2 -86.1	70.7 71.1 69.8 69.5	32.3 39.9 32.4 42.1 36.1 37.1 36.1 35.3 38.0 32.2	37.8 37.3 32.2 32.8 30.4	33.10101 4- 38.22915 5- 31.36075 6- 22.88890 7-	- 6 - 7 - 8
4 -10.925 -17.377 5 -11.988 -17.121 6 -11.976 -18.411 7 -10.961 -18.618 8 -10.556 -19.268 9 -10.503 -18.107	474.46764 486.39328 464.02437 453.32750 440.90589 459.32457	-66.3 -61.0 -57.9 -63.6 -64.8 -67.6	10.6 11.5 10.3 9.6 8.8 9.7	-84.4 -84.2 -81.9 -81.0 -80.9	28.3 29.3 27.3 27.0 25.9	7.93458 7.568C0 7.39527 7.17155 7.48479	0.768 0.743 0.792 0.817 0.849 0.803	-88.0 -93.7 -93.3 -88.2 -86.1 -65.7	70.7 71.1 69.8 69.5 68.9	32.3 39.9 32.4 42.1 36.1 37.1 36.1 35.3 38.0 32.2	37.8 37.3 32.2 32.8 30.4 35.3	33.10101 4- 38.22915 5- 31.36075 6- 22.88890 7- 34.60615 8-	- 6 - 7 - 8 - 9
4 -10.925 -17.377 5 -11.988 -17.121 6 -11.976 -15.411 7 -10.961 -18.618 8 -10.556 -19.268 9 -10.503 -18.107 10 -10.445 -16.818	474.46764 486.39328 464.02437 453.32750 440.90589 459.32457 482.52918	-66.3 -61.0 -57.9 -63.6 -64.8 -67.6 -69.9	10.6 11.5 10.3 9.6 8.8 9.7	-84.4 -84.2 -81.9 -81.0 -80.9 -60.7	28.3 29.3 27.3 27.0 45.9 24.9	7.93458 7.568C0 7.39527 7.17155 7.48479 7.84192	0.768 0.743 0.792 0.817 0.849 0.803	-88.0 -93.7 -93.3 -88.2 -86.1 -65.7 -85.2	70.7 71.1 69.8 69.5 68.9 70.0	32.3 39.9 32.4 42.1 36.1 37.7 36.1 35.3 38.0 32.2 34.3 36.7 30.6 41.4	37.8 37.3 32.2 32.8 30.4 35.3 40.4	33.10101 4- 38.22915 5- 31.36075 6- 22.88890 7- 34.60615 8-	- 6 - 7 - 8 - 9
4 -10.925 -17.377 5 -11.988 -17.121 6 -11.776 -18.411 7 -10.961 -18.518 8 -10.556 -19.268 9 -10.503 -18.107 10 -10.445 -16.818 11 -11.441 -16.566	474.46764 486.39328 464.02437 453.32750 440.90589 459.32457 482.52918 492.86443	-66.3 -61.0 -57.9 -63.6 -64.8 -67.6 -69.9 -64.9	10.6 11.5 10.3 9.6 8.8 9.7 10.7	-84.4 -84.2 -81.9 -81.0 -80.9 -60.7	28.3 29.3 27.3 27.0 25.9	7.93458 7.568C0 7.39527 7.17155 7.48479	0.768 0.743 0.792 0.817 0.849 0.803 0.753	-88.0 -93.7 -93.3 -88.2 -86.1 -65.7 -85.2 -90.9	70.7 71.1 69.8 69.5 68.9 70.0 71.3	32.3 39.9 32.4 42.1 36.1 37.1 36.1 35.3 38.0 32.2	37.8 37.3 32.2 32.8 30.4 35.3 40.4 40.2	33.10101 4- 38.22915 5- 31.36075 6- 22.88890 7- 34.60615 8- 38.44263 9- 31.07053 10- 36.12411 11-	- 6 - 7 - 8 - 9 -10 -11
4 -10.925 -17.377 5 -11.988 -17.121 6 -11.976 -18.411 7 -10.961 -18.518 8 -10.556 -19.268 9 -10.503 -18.107 10 -10.445 -16.818 11 -11.441 -16.566 12 -12.593 -16.252	474.46764 486.39328 464.02437 453.32750 440.90589 459.32457 482.52918 492.86443 507.81760	-66.3 -61.0 -57.9 -63.6 -64.8 -67.6 -69.9 -64.9	10.6 11.5 10.3 9.6 8.8 9.7 10.7 11.5	-84.4 -84.2 -81.9 -81.0 -80.9 -60.7 -83.2 -86.0	28.3 29.3 27.3 27.0 45.9 24.9 26.7	7.93458 7.568C0 7.39527 7.17155 7.48479 7.84192 8.03072	0.768 0.792 0.817 0.849 0.803 0.753 0.730	-88.0 -93.7 -93.3 -88.2 -86.1 -65.7 -85.2 -90.9 -97.0	70.7 71.1 69.8 69.5 68.9 70.0 71.3 71.6 72.0	32.3 39.9 32.4 42.1 36.1 35.3 38.0 32.2 38.3 36.1 30.6 41.4 30.4 43.2 30.4 43.2	37.8 37.3 32.2 32.8 30.4 35.3 40.4 40.2 39.2 34.2	33.10101 4- 38.22915 5- 31.36075 6- 22.88890 7- 34.60615 8- 38.44263 9- 31.07053 10- 36.12411 11- 41.39551 12-	- 6 - 7 - 8 - 9 -10 -11 -12
4 -10.925 -17.377 5 -11.498 -17.121 6 -11.476 -15.411 7 -10.961 -18.518 8 -10.556 -19.268 9 -10.503 -18.107 10 -10.445 -16.818 11 -11.441 -16.566 12 -12.594 -16.252 13 -12.548 -17.652 14 -12.112 -18.900	474.46764 486.39328 464.02437 453.32750 440.90589 459.32457 482.52918 492.86443 507.81760 461.79182 461.22661	-66.3 -61.0 -57.9 -63.6 -64.8 -67.6 -69.9 -59.9 -56.9	10.6 11.5 10.3 9.6 8.8 9.7 10.7 11.5 12.6 11.4	-84.4 -84.2 -81.9 -81.0 -80.9 -60.7 -83.2 -86.0 -85.6	28.3 29.3 27.3 27.0 25.9 24.9 26.7 28.8 29.8	7.93458 7.56800 7.39527 7.17155 7.48479 7.84192 8.03072 8.25665 7.84745	0.768 0.792 0.817 0.849 0.803 0.753 0.730 0.701	-88.0 -93.7 -93.3 -88.2 -86.1 -65.7 -85.2 -90.9 -97.0 -96.3 -95.8	70.7 71.1 69.8 69.5 70.0 71.3 71.6 72.0 70.6	32.3 39.5 32.4 42.1 36.1 37.1 36.1 35.3 38.0 32.2 34.3 36.1 30.6 41.4 30.7 45. 30.7 45.	37.8 37.3 32.2 32.8 30.4 35.3 40.4 39.2 39.2	33.10101 4- 38.22915 5- 31.36075 6- 22.88890 7- 34.60615 8- 38.44263 9- 31.07053 10- 36.12411 11- 41.39551 12- 36.93346 13-	- 6 - 7 - 8 - 9 -10 -11 -12 -13
4 -10.925 -17.377 5 -11.978 + 17.121 6 -11.976 -15.411 7 -10.961 -18.518 8 -10.556 -19.268 9 -10.503 -18.107 10 -10.445 -16.618 11 -11.441 -16.566 12 -12.591 -16.252 14 -12.512 -18.900 15 -11.465 -19.102	474,46764 486,39328 464,02437 453,32750 440,90589 459,32457 482,52918 492,86443 507,81760 481,79182 461,22661 464,17812	-66.3 -61.0 -57.9 -63.6 -64.8 -67.6 -69.9 -64.9 -59.9 -56.9 -53.1	10.6 11.5 10.3 9.6 8.8 9.7 10.7 11.5 12.6 11.4	-84.4 -84.2 -81.9 -81.0 -80.7 -83.2 -86.0 -85.6 -85.3	28.3 29.3 27.3 27.0 25.9 24.9 26.7 28.8 29.8 30.8	7.93458 7.568C0 7.39527 7.17155 7.48479 7.84192 8.03072 8.25665 7.847457 7.431894	0.768 0.743 0.792 0.817 0.849 0.803 0.753 0.701 0.701 0.827	-88.0 -93.7 -93.3 -88.2 -86.1 -85.7 -85.2 -90.9 -97.0 3 -96.3 -95.8 7 -90.7	70.7 71.1 69.8 69.5 68.9 70.0 71.2 71.6 72.0 70.6 69.1	32.3 39.9 32.4 42.1 36.1 37.1 36.1 35.3 38.0 32.2 34.3 36.1 30.6 41.4 30.7 45.3 34.4 41.3 37.9 34.4	37.8 37.3 32.2 32.8 30.4 35.3 40.4 40.2 39.2 34.2 29.2 30.1	33.10101 4- 38.22915 5- 31.36075 6- 22.88890 7- 34.60615 8- 38.44263 9- 31.07053 10- 36.12411 11- 41.39551 12- 36.93346 13- 32.25280 14-	- 6 - 7 - 8 - 9 -10 -11 -12 -13 -14
4 -10.925 -17.377 5 -11.498 -17.121 6 -11.476 -15.411 7 -10.961 -18.518 8 -10.556 -19.268 9 -10.503 -18.107 10 -10.445 -16.818 11 -11.441 -16.566 12 -12.594 -16.252 13 -12.548 -17.652 14 -12.112 -18.900	474,46764 486,39328 464,02437 453,32750 440,90589 459,32457 482,52918 492,86443 507,81760 481,79182 461,22661 464,17812	-66.3 -61.0 -57.9 -63.6 -64.8 -67.6 -69.9 -64.9 -59.9 -56.9 -53.1	10.6 11.5 10.3 9.6 8.8 9.7 10.7 11.5 12.6 11.4	-84.4 -84.2 -81.9 -81.0 -80.7 -83.2 -86.0 -85.6 -85.3	28.3 29.3 27.3 27.0 25.9 24.9 26.7 28.8 29.8	7.93458 7.56800 7.39527 7.17155 7.48479 7.84192 8.03072 8.25665 7.84745	0.768 0.743 0.792 0.817 0.849 0.803 0.753 0.701 0.701 0.827	-88.0 -93.7 -93.3 -88.2 -86.1 -85.7 -85.2 -90.9 -97.0 3 -96.3 -95.8 7 -90.7	70.7 71.1 69.8 69.5 68.9 70.0 71.2 71.6 72.0 70.6 69.1	32.3 39.5 32.4 42.1 36.1 37.1 36.1 35.3 38.0 32.2 34.3 36.1 30.6 41.4 30.7 45. 30.7 45.	37.8 37.3 32.2 32.8 30.4 35.3 40.4 40.2 39.2 34.2 29.2 30.1	33.10101 4- 38.22915 5- 31.36075 6- 22.88890 7- 34.60615 8- 38.44263 9- 31.07053 10- 36.12411 11- 41.39551 12- 36.93346 13-	- 6 - 7 - 8 - 9 -10 -11 -12 -13 -14

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															٠.
JULY 31,1964	13 HK	. 23 MIN 5	SEC 24	. MS		TAB NO	169	ATL	AS PHOT	0 NO	169	PO	D SEQUEN	CE NO	34
TRAJECTORY (	ATAG				SEC TO	IMPACT	ALT	LAT	ι	.CN		R \			
PHOTO DATA					163.	775	374.66586	6 -8.4	80 -25	.228	2110	1.121 2.4	16 -67.20	J9 115	.56
PHOTG DAȚA PT LAT 2 -11.432 -:	1.0%	PANCE	A75/C	A 7 AI	AZ SUN	AZA	A =	0.74					A SCAL		
2 -11 432 -1	17 974	454 90135	-42 7	10.4	-83.1		7.42870	0/A	AZPHAZ	INCD	PHAZ	MIS ALPI	A SCAL	LE P	T-P
3 -10.954 -	18 667	440 20027	-62.2	9.5	-81.9		7.42070	0.781	-90.8	70.2	34.2 3	18.6 35.	.0 0.		1- 3
4 -10.919 -	17 663	440 67764	-66 3	10.6	-81.9		7.18113	0.817	-88.2	69.5		5.3 32.		7809	
5 -11.952 -	17 216	47, 22762	-61.0	17.6	-84.4		7.51350	0 7//	-88.0	70.7	32.3	9.8 37.	7 35.87	1704	
6 -11.940 -	18 467	412.22142	-67.0	10.3	-84.2	20.3	7.70350	0.744	-93.7	71.0	32.4 4	2.0 37.	.2 32.17	2757	4- !
7 -10.954 -	18.667	440 20077	-63.6	9.5	-81.9	27.2	7.10113	0.792	-93.3	69.8	30.1 3	11.1 32.	2 37.08	3306	
8 -10.562 -	10 204	4.24 1.524.5	-65.6	8.5	-81.0		6.96412	0.017	-88.2	69.5	30.1 3	32.	8 30.44	+553	6-
9 -10.510 -	18.171	446 00679	-67.6		-50.9	26.0	7.26778	0.000	-00-1	/0.0	30.0 3	2 30	4 22.21	1894	7-
0 -10.453 -	16.921	468.47010	-60 6	10.7	-80.7	26.0	7.61346	C 754	-65.7	41.7	34.3	00.1 35.	3 33.58	3/35	8-
1 -11.420 -	16-677	478 48322	-66 0	11 5	-83.1		7.79640	0.731	-05.2	71 - 2	30.6	11.3 40.	3 31.20	3494	9-I
2 -12.538 -	16.374	402 94482	-69.9	12.5	-85.9	28.8	8.01483	0.703	-90.9	71.0	30.4 4	5.1 40.	1 30.1:	2163 1	0-1
3 -12.495 -	17.731	467 77264		11 3	-05.4		7.61912	0.764	-91.0	71.9	30.1 4	12.0 34.	1 35.04	1559 I	r-i
4 -12.461 -	16 942	447 45000	-63.6	10.1	-85.3	27.0	7 27617	0.154	-96.3	10.5	34.4 4	11.2 34.	1 40.12	2820 1.	
5 -11.445 -	10 134	434 17900	-50.0	9.4		20.6	7.27512 7.10714	0.001	-93.8	69.4	38.1 3	17.1 29.	2 35.8	3473 1	
6 -10.562 -	10 200	428 15266			-81.0	27.0	7.10714 6.96412							0828 1	
201302	17.270	420113203	-04.6	0.0				0.050	-85.1	08.8	38.0 3	2.2 30.	.4 27.11	7735 1	5-1
ULY 31,1964	13 HR	23 MIN 10	SEC 144	MS		TAB NO	170	ATL	AS PHOT	O NO	170	PO	D SEQUENC	E NO	34
TRAJECTURY	DATA						AL T	LAT	·	.ON		R V	/ PTH	Δ	7
					158.	655	363.25476	£ -8.5	37 -25	.109			21 -67.12		
PHUIU DATA															
f LAT	LUN	RANGE	AZS/C	AZN	AZ SUN	AZA	Α.	B/A	ALPHAL	INCU	PRAL C	FIS ALP:	A 20A1	. 0	T_0
2 -11.411 -1	18-045	441.26188	-62.2	10.4	-83.1	27.8	7.20612	0.782	-90.8	70.1	34.2	8.5 35.	0 0.		1-
3 <b>-</b> 10.947 -1	18.717	427.03941	-63.5	9.5	-81.9	27.4	t.96642	0.817	-88.2	69.4	36.1 3	5.3 32.	7 24.40	0790	·-
3 -10.947 -1 4 -10.913 -1	17.55C	446.85393	-06.2	10.5	-81.8	26.4	7.28805	0.770	-88.0	70.6	32.3 3	9.7 37.	7 34.7	1623	ā-
5 -11.915 -	17.311	458.02882	-61.0	11.4	-84.4	28.3	7.47167	0.745	-93.7	70.9	32.4 4	1.9 37	1 31.1	5236	- i
5 -11.904 -	18.523	437.07823	-57.9	10.3	-84.2	29.3	7.12853	0.793	-93.3	69.7	36.1 3	7-6 32	1 35.9	1628	5-
7 -10.947 -1	16.717	427.03941	+63.5	9.5	-81.9	27.4	7.12853 6.96642	0.817	-88-2	69.4	36-1 3	5.3 32.	7 29.5	2814	í-
3 -10.567 -1	19.329	415.36517	-64.7	8.8	-81.0	27.1	6.75613	0.850	-86.1	68.8	38.0 3	2.2 30.	4 21.50	4745	7-
9 -10.516 -1	18.236	432.65486	-67.5	9.7	-80.9	26.0	7.05022	0.804	85.7	69.9	34.3	6.6 35.	2 32-50	6676	ė-
0 -10.462 -1	17.025	454.37895	-69.8	10.7	-80.7	25.0	7.38448	0.755	-85.2	71.1	30.6 4	1.2 40.	2 36.13	2684	9-1
B -10.567 -1 9 -10.516 -1 0 -10.462 -1 1 -11.399 -1 2 -12.483 -1 3 -12.442 -1 4 -12.409 -1	16.789	464.07040	-64.8	11.5	-83.1	26.8	7.56156	0.733	-90.8	71.4	30.4 4	3.0 40.	0 29.20	4312 1	ń-i
2 -12.483 -1	16.497	478.04277	-59.9	12.5	-85.9	28.7	1.77254	0.705	-97.0	71.7	30.7 4	5.4 39.	.0 33.9/	6623 1	1-1
3 -12.442 -1	17.810	453.71992	-56.9	11.3	-85.6	29.8	7.39024	0.755	-96.3	70.5	34.4 4	1.1 34.	0 38.86	6186 1	2-1
4 -12.409 -1	18.984	434.44125	-53.4	10.1	-85.3	30.7	7.05731	0.802	-95.8	69.3	38.1 2	7.0 29	2 34 7	3478 1	3-1
5 -11.424 -1		423.14522	-59.0	9.4	-83.0	28.8	6.89476	0.826	-90.7	69.0	37.9	4.3 30.	1 30.30	6161 1	4-1
-10.567 -1					-81.0	27.1	6.75613	0.850	-86.1	68.8	38.0 3	2.2 30.	4 26.30	6355 1	
						TAB NO							D SEQUENC	_	
JLY 31,1964		23 MIN 15	SEC 264												
TRAJECTORY (	DATA						ALT 351.82571		94 -24	.CN .988			PTH 26 -67.04		
PHOTO DATA														_	
LAT	LEN	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A	AZPHAZ	INCD	PHAZ E	MIS ALPH	1A SCAL	LE P	T-P
-11.390 -	18.117	427.59946	-62.2	10.4	-83.0	27.8	6.98300	0.783	-90.8	70 - 1	34.2 3	8.5 34.	90		1-
3 -10.941 -	18.768	413.84441	-63.5												
-10.908 -1	17.638	432.99768	-66.2	10.5	-81.8	26.4	7.23974 6.90798 6.75117 6.54759 6.83211 7.15499 7.32623 7.52982	0.771	-88.0	70.5	32.3 3	9.6 37.	6 33.67	1428	3-
-11.878 -	17.407	443.79924	-61.0	11.4	-84.3	28.3	7.23974	0.746	-93.7	70.8	32.4 4	1.8 37.	0 30.1	7601	4-
-11.867 -	18.580	423.55529	-57.9	10.2	-84.2	29.2	6.90798	0.794	-93.3	69.7	36.1 3	7.6 32.	1 34.76	3883	5-
-10.941 -			-63.5	9.5	-81.9	27.4	6.75117	0.818	-88.2	69.4	36.1 3	5.2 32.	7 28:60	)919	6-
-10.572 -	19.36C	402.54409	-64.7	8.8	-81.0	27.1	6.54759	0.85C	-86.1	68.8	38.0 3	2.2 30.	3 20-8	7478	7-
-10.523 -	18.302	419.26938	-67.5	9.7	-80.8	26.1	6.83211	0.805	-85.7	69.8	34.3	6.5 35.	2 31.54	4434	8-
0 -10.470 -1	17.129	440.25612	-69.7	10.7	-80.6	25.1	7.15499	0.756	-85.2	70.9	30.6 4	1.1 40.	1 34.96	5827	9-1
0 -10.470 -1 1 -11.378 -1	16.901	449.62720	-64.8	11.5	-83.1	26.8	7.32623	C.734	-90.8	71.2	30.4 4	2.9 39	9 28.3	2736 1	0-1
2 -12.428 -1	16.620	463.11373												8663 1	1-1
3 -12.388 -1	17.891	439.63659	-56.9	11.2	-85.5	29.7	7.16086	C.756	-96.3	70.4	34.4 4	1.0 33.	9 37-50	9656 1	
4 -12.357 -1	19.027	420.99968	-53.4	10.1	-85.3		6.83898	C.802	-95.8	69.3	38.1	7.0 29.	.1 33-6	3376	3-1
5 -11.402 -1	19.210	410.07819	-59.0	9.3	-83.0	28.8	6.68185	0.829	-90.7	69.0	37.9 3	4.2 30.	1 29.41	1370 1	
6 -10.572 -	19.360	402.54409	-64.7	8.8	-81.0	27.1	6.54759	0.850	-86.1	68.8	38.0 3	2.2 30.	3 25.54		
				-											- •

				_			ATLA	C BUOTO	NO	170	DOD SI	EQUENCE NO 347
JULY 31,1964 13 HR	23 MIN 20 S	SEL 384	MS	1	AB NO	1/2	AILA	is Phulu	NO	1/2	POD 3	EQUENCE NO 347
TRAJECTORY DATA				SEC TO	LABACT	ALT	LAT			ĸ	v	PTH AZ
				148.	415	340.37839	-8.6	51 -24.	663	2075.83	4 2.431	-66.966 115.508
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A •	ñ/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE PT-PT
2 -11.369 -18.190			10.4	-83.C	27.8	6.75937	0.784			34.2 38.4	34.8	0. 1- 2
3 -10.934 -18.819	400.61656	-03.5	9.5	-81.9	27.4	6.53538	0.818			36.1 35.2		22.86546 2- 3
4 -10.902 -17.726			10.5	-81.8	26.4	6.83556				32.3 39.6		32.51109 3- 4 29.19878 4- 5
5 -11.841 -17.503			11-3	-84.3 -84.2	28.3	7.00714 6.68694				32.4 41.7		33.64079 5- 6
6 -11.831 -18.638 7 -10.934 -18.819		-63.5	10.2	-84.2	24.2	6.53538				36.1 35.2		27.68898 6- 7
8 -10.577 -19.392		-64.7	8.8	-81.0	27.1	6.33851				38.0 32.1		20.20102 7-8
9 -10.530 -18.368		-67.4	9.7	-80.8	26.1	6.61346				34.3 36.5		30.52002 8- 9
10 -10.470 -17.234			10.7	-80.6	25.2	6.92498				30.6 41.0		33.80905 9-10
11 -11.357 -17.015	435.15476	-64.8	11.4	-83·0	26.9	7.09042				30.4 42.8		27.41060 10-11
12 -12.373 -16.744	448.16022	-59.9	12.4	-95.B	28.7	1.28669				30.7 45.2		31.80741 11-12 36.33248 12-13
13 -12.335 -17.971			11.2	-85.5	29.7	6.93103		-96.3 -95.8		34.4 40.9		32.53174 13-14
14 -12.305 -19.070	407.52879	-53.5 -59.0	10.0	-35.3 -83.0	30.7 28.8	6.46842		-90.7		37.9 34.2		28.46485 14-15
15 -11.381 -19.247 16 -10.577 -19.392		-64.7	8.8	-81.0	27.1	6.33851		-86.1		38.0 32.1		24.73076 15-16
18 -10.577 -19.392	107.00770	-04.1	0.0	01.0	2.41	0.00001						
					TAB NO	173	ATL	AS PHOTO	NO.	173	POD S	EQUENCE NO 349
JULY 31,1964 13 HR	23 MIN 25	SFL 504	M 2									
TRAJECTORY DATA				SE TC	IMPACT	AL T	LA.	1 L	ON	ĸ	٧	PTH AZ
				143.	296	328.91293	-8.	709 -24	. 743	2064.36	8 2.437	-66.883 115.488
PHOTO DATA				A Z SUN	ΔΖΑ	Δ.	D / A	A 206 A 7	INCC	PHAZ EMIS	AI PHA	SCALE PT-PT
PT LAT LUN 2 -11.347 -18.263	RANGE 400.17604	A/S/C	10.4	-33.0		4 . 53516	C. 785	-90-8	69.9	34.2 38.3	34.8	0. 1- 2
3 -10.928 -18.871		-63.5	9.5	-81.9	27.5	6.31901			69.3	36.1 35.1	32.6	22.09289 2- 3
4 -10.896 -17.815		-66.1	10.5	-81.8	26.5	6.60849	C.773	-86.0		32.3 39.5		31.40677 3- 4
5 -11.804 -17.600		-61.0	11.3	-84.3	28.3	6.77399		-93.7		32.4 41.6		28.21973 4- 5
6 -11.795 -16.696	196.41229	-57.9	10.2	-n4.2	29.2	6.46531				36.1 37.4	32.0	32.49203 5- 6 26.76666 6- 7
7 -10.928 -18.871		-63.5	9.5	-81.9	21.5	6.31901				36.1 35.1 38.0 32.1		26.76666 6- 7 19.52575 7- 8
8 -10-582 -19-425		-64.6	8.8	-81.0	27.2	6.12886 6.39423				34.3 36.4		29.49389 8- 9
9 -10.536 -18.435	492.39673 411.91431	-67.4 -67.6	7.7	-80.8 -80.6	20+2 25+2	6.69443				30.6 40.4		32.64949 9-10
10 -10.487 -17.340 11 -11.336 -17.128		-64.8	11.4	-83.0	26.9	6.85408				30.4 42.		26.49208 10-11
12 -12.318 -16.868		-59.9	12.3	-85.E	28.7	7.04307			71.4	30.7 45.	1 38.6	30.72724 11-12
13 -12.282 -16.052		-57.0	11.2	-#5.5	29.7	6.70063				34.4 40.		_35.06924_12-13
14 -12.253 -19.114	394.02252	-53.5	10.0	-85.3	30.6	6.40080				38.1 36.		31.42848 13-14 27.51401 14-15
15 -11.360 -19.284	383.84462	-59.0	9.3	-83.0	28.6	6.25440				37.9 34		23.91134 15-16
16 -10.5H2 -19.425	3 <b>76.</b> 89050	-64.6	8.8	-81.0	21.2	6.128b6	C.85C	-86.1	68+1	38.C 32.	1 30.3	23.91134 13-10
					TAB NO	174	ATL	AS PHOTO	ON (	174	POD S	SEQUENCE NO 351
JULY 31,1964 13 HR	23 MIN 30	SEC 624	MS									
TRAJECTORY DATA				SEC TO	IMPACT	AL T	LA	T L	CN	ĸ	V	PTH AZ
THE COLUMN TO TH				138	176	317.4289	£ -₺.	768 -24	.618	2C52.8	84 2.442	-66.800 115.467
PHOTO DATA									TNC	00.47 . NT	C ALDUA	SCALE PT-PT
PT LAT LON	RANGE	A25/C		AZ SUN	AZA	A* 6.31032			INLE	PHAZ EMI 34.2 38.	3 ALPHA	0. 1-2
2 -11.326 -16.337		-62.1	10.4	-83.0 -81.9	27.5	6.10201				36.1 35.		21.31887 2-3
3 -10.921 -18.923 4 -10.890 -17.905	391.22642	-66.1	10.5	-81.7	26.5	6.38081				32.3 39.		30.30093 3- 4
5 -11.766 -17.698	400.91774	-61.0	11.3	-84.2	28.3	6.54022		-93.7	70.5	32.4 41.	5 36.7	27.23852 4- 5
6 -11.758 -18.755	382.78396	-58.0	10.2	-84.2	29.2	6.24304	0.796	-93.3		36.1 37.		31.34208 5- 6
7 -10.921 -18.923	374.05117	-63.4	9.5	-81.9	27.5	6.102Cl	0.819	-88.1		36.1 35.		25.84194 6- 7 18.84881 7- 8
8 -10.587 -19.458	363.H/331	-64.6	8.8	-81.0		5.91859				38.0 32.		18.84881 7- 8 28.46568 8- 9
9 -10.543 -18.503	178.90510	-67.3	9.7	-80.8	26.3	6.17439				34.3 36. 30.6 40.		31.48917 9-10
10 -10.495 -17.447	397.69166 406.10855	-69.5 -64.7	10.7	-80.5 -83.0	25.3 26.9	6.46330 6.61714				30.4 42.		25.57156 10-11
11 -11.315 -17.243 12 -12.262 -16.993	408.15725		12.3	-83.U		6.79888	C-711			30.7 44.		29.64539 11-12
12 -12.262 -16.993 13 -12.228 -18.134	397.19467		11.1	-45.5		6.46960	0.759	-96.3		34.4 40.		33.80638 12-13
14 -12.200 -19.158		-53.5	10.0	-65.3		6.18C78	0.604	-95.7		1 38.1 36.		30.32352 13-14
15 -11.338 -19.322	370.67116		9.3		26.8	6.03915	0.630	-90.7		37.9 34.		26.56079 14-15
16 -10.587 -19.458	363.87331	-64.6	8.8	-61.0	27.2	5.91859	C.851	-86.0	68.	7 38.0 32.	1 30.3	23.08956 15-16

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						TAB NO	175	ATLA	S PHOTO	NO	175		POD S	EQUENCE N	10 353
JULY 31,1964 13 HR 23 MIN 35 SEC 744 MS TAB NO 175 ATLAS PHOTO NO 175 POD SEQUENCE NO 353															
TRAJECTOR	Y DATA					IMPACT	ALT	LAT		CN		R	٧	PTH	ΔZ
PHOTO DATA					133	•056	305.92644	-8.8	28 -24	.491	204	1.382	2.448	-66.716	115.446
PT LAT	น เกษ	DANCE	AZS/C	A Z NI	AZSUN	AZA	A =	674	AZONAZ	LNCD	DHAZ	EMIC	AL DUA	SCALE	PT-PT
2 -11-304	+18.411	372.59944	-62.1			27.9	4 08461	C 784	-90 7	60.8	34 2	28 2	34 4	0.	1- 2
3 -10.913	-18.974	360.70895	-63.4	9.5	-81.8		6.084E1 5.88436	0.100	-88 1	69.2	36 1	35.0	37.5	20.54307	
4 -10.884	-17.995	360.70895 377.22655	-66-1	10.5	-81.7		6.15248	0.775	-87.9	70.1	32.3	39.3	37.2	29.19341	
5 -11.728	-17.796	386.54748	-61.0	11-2	-84.2		6.30579							26.25467	
	-18.814						6.02010	0.796	-93.3	69-4	36.1	37-3	31.9	30.19070	
7 -10.913		360.70695	-63.4	9.5	-81.8	27.5	5.88436	C.82C	-88.1	69.2	36.1	35.0	32.5	24.91425	6- 7
8 -10.592	-19.492	350.90674		8.8	-81.0	27.2	5.70769	0.851	-86.C	68.6	38.0	32.1	30.2	18.16988	
9 -10.549	-18.571	365.37393	-67.3	9.7	-60.8	25.3	5,45390	0.807	-85.7	69.5	34.3	36.3	34.9	27.43524	
10 -10.502						25.4	6.23155							30.32787	
11 -11.293	-17.358		-64.7		-82.9	27.0	6.37958							24.64838	
12 -12.206					-85.7	28.7	6.55407	C.713	-97.0	71.1	30.7	44.8	38.4	28.56191	
13 -12.173	-18.217	382.96960	-57.0	11.1	-85.5	29.6	6.23792				34.4			32.54348	12-13
14 -12.147	-19.203	366.89081	-53.6	9.9			5.96009	0.605	-95.7	69.1	38.1	36.7	29.0	29.21662	
15 -11.316				9.3			5.82444							25.60485	
16 -10.592					-81.0		5.70769							22.26496	
						TAB NO	176	ATL	AS PHOTO	NO C	176		POD S	FOUENCE N	10 355
JULY 31,1964 13 HR 23 MIN 40 SEC 864 MS TAB NO 176 ATLAS PHOTO NO 176 POD SEQUENCE NO 355															
TRAJECTOR	Y DATA						ALT		· Ł				٧	PTH	ΑZ
					127	.936	294.40544	-8.8	88 -24	.364	202	9.861	2.453	-66.630 1	15.425
PHOTO DATA	A														
PT LAF	LCN	KANGE 358.75521	AZS/C	AZN	_aZ_SUN	AZA	A+	H/A	AZPHAZ	INCD	PHAZ	LMIS	ALPMA	35466	PT-DT
2 -11.282	-18.487	358.75521	-62.1	10.3	-82.9	27.9	5.85673	0.787	-90.7	69.7	34.2	38.1	34.5	0.	1- 2
3 -10.906	-19.030	347.33064	-63.4	9.5	-81.8	27.5	5.66612	C.82C	-80.1	69.1	36.0	35.0	32.4	19.7662	2-3
3 -10.906 4 -10.877 5 -11.690 6 -11.683	-18.086	363.19203	-66.0	10.5	-81.7	26.6	5.92358	0.776	-87.9	70.1	32.3	39.2	37.1	28.08485	3 - 4
5 -11.690	-17.895	372.14329	-61.0	11.2	-84.2	20.3	6.07082	0.752	-93.6	7C.3	32.4	41.3	36.5	25.2690	4-5
6 -11.683	-18.874	355.40900	-58.0	10.1	-84.1	29.2	5.79658	C.797	-93.3	69.4	36.1	37.2	31.8	29.03863	3 5-6
7 -10.906	-19.030	347.33064	-63.4	9.5	-81.B	27.5	5.66612	C • 82C	-68.1	69.1	36.0	35.0	32.4	23.98450	6- 7
8 -10.596	-19.526	337.90436	-64.5	8.8	-80.9	27.3	5.49620	C.851	-86.0	68.6	38.C	32.0	30.2		
9 -10.555	-18.640	351.80733	-67.2	9.7	-80.7	26.4	5.73284	0.808	-85.7	69.5	34.3	36.2	34.8	26.40304	8-9
10 -10.510	-17.662	369.13572	-69.4	10.7	-80.5	25.5	6.99926	0-762	-85.2	70.4	30.6	40 6	30 6	29.16631	
11 -11.271					-82.9	27.0	6.14149 6.30877	C.74C	-90.8	70.7	30.4	42.4	39.3	23.7236	
12 -12.150		388.01349	-59.9	12.2	-85.7	28.7	6.30877	0.714	-97.0	71.0	30.7	44.7	38.2	27.47739	
13 -12.119	-18.300	368.71012	-57.0	11.0	-85.4	29.6	6.00567	0.762	-96.3	70.0	34.4	40.5	33.5	31.2815	
	-19.249	353.26867	-53.6	9.9	-85.3	30.5	5.73882	0.806	-95.7	69.0	38.1	36.7	28.9	28.10857	
	-19,400	344.20671					5.60854							24.6468	
16 -10.596				8.8	-80.9	27.3	5.49620	0.851	-86.0	68.6	38.0	32-0	30.2	21.43829	
		33,0.0.0	0.02		,	2,45	3. 17020		00.0	00.0	30.0	32.00	20.2	2224302	, 1, 10
						TAB NO	177	ATL	AS PHOTO	) NO	177		POD S	EQUENCE N	10 357
JULY 31,19	64 13 HR	23 MIN 45	SEC 983	MS											
TRAJECTER	Y DATA				SEC TO	IMPACT	ALT	LAT	ı .	CN		R	٧	PTH	ΑZ
					122	.816	282.86540	-8.9	348 –24	.234	2C1	18.321	2.459	-66.544	115.403
PHOTO DAT	Α	RANGE													
PT LAT	LUN	RANGE	AZSZC	AZN	AZ SUN	AZA	Δ#	B/4	AZPHAZ	INCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
2 -11.259	-18.563	344.87149	-62.1	10.3	-82.9	27.9	5.63199	C.788	-90.7	69.6	34.2	38.0	34,5	<u> </u>	1-2
3 -10.898	-19.085	333.91264	-63.4	9.5	-81.8	27.6	5.44722						32.4	18.9881	
4 -10.870							5.69405							26.97448	
		357.70093					5.83522							24.28143	
6 -11.645	-18.435	341.66428	-58.0	10.1	-84.1	23.2	5.57241	C.798	-93.3	69.3	36.1	37.2	31.7	27.8852	3 5-6
7 -10.898	-19.085	333.91264 324.86278	-63.4	9.5	-81.8	27.6	5.44722 5.28407	0.821	-88.1	69.1	36.0	34.9	32.4	23.05262	2 6- 7
8 -10.600	-19.561	324.86278	-64.5	8.8	-80.9	27.3	5.28407	0.851	-86.0	68.6	38.0	32.0	30.2	16.80748	7 - 8
9 -10.560	-18.71C	338.20115	-67.2	9.7	-80.7	26 - 4	5.51113	0.809	-85.7	69.4	34.3	36.2	34.8	25.36849	
10 -10.517			-69.4	10.6	-80.5	25.5	5.76635	0.763	-85.2	70.3	30.5	40.5	39.5	28.00359	9-10
11 -11.249					-82.9	27.0	5.90278	0.742	-90.8	70.6	30.4	42.3	39.2	22.7970	1 10-11
12 -12.093	-17.371	372.89133	-59.9	12.1	-85.6	28.7	6.06291	C.716	-96.9	70.9	30.7	44.5	38.1	26.39166	11-12
13 -12.063	-18.384	354.41249	-57.0	11.0	-85.4	29.6	5.77279	0.763	-96.3	69.9	34.4	40.4	33.4	30.0197	12-13
14 -12.039	-19.295	339.60791	-53.6_	2.9	<u>-45.3</u>	30.4	5.77279 5.51693	.0.806	95.7.	_69.0	38.1	36.6	28.9	26.9987	2 13-14
14 -12.039 15 -11.270	-19.440	330.91697	-59.0	9.3	-83.0	28.8	5.39200	0.831	-90.7	68.8	37.9	34.0	29.8	23.68676	14-15
16 -10.600	-19.561	324.86278	-64.5	8.8	-80.9	27.3	5.28407	0.851	-86.0	68-6	38.0	32.0	30.2	20.60921	15-16

RA-VII CAMERA FB :

			RA-√1	I CAMERA	FB					60
				TAB NO	178	ATLAS	PHOTO NO	178	POD SE	QUENCE NO 359
JULY 31,1964 13 HR	23 MIN 51	SEC 103 MS		IND NO	1/0	AICAS	THOIC NO	1/6	FOD 3E	QUEINCE 140 333
TRAJECTORY DATA				IMPACT	ALT	LAT	LGN 3 -24.103	R 2004 743	V	PTH AZ -66.457 115.381
PHOTO DATA										
PT LAT LON	RANGE	AZS/C A	ZN AZSUN		A +		ZPHAZ INCD			SCALE PT-PT
2 -11.237 -18.639			-82.9		5.40461			34.2 38.0	34.4	0. 1- 2
3 -10.890 -19.140 4 -10.863 -18.271	320.45437			27.6 26.7	5.22767 5.46387		-88.1 69.0 -87.9 69.9			18.20861 2- 3 25.86226 3- 4
5 -11.613 -18.096	343.21972		.1 -84.1	28.7	5.59899		-93.6 70.1			23.29193 4- 5
6 -11.607 -18.997	327.87974	-58.0 10	-84.1	29.1	5.34760	0.798 -	-93.3 69.2	36.1 37.1	31.7	26.73034 5- 6
7 -10.890 -19.140	320.45437			27.6	5.22767	0.821 -	-93.3 69.2 -88.1 69.0	36.0 34.9	32.3	22.11843 6- 7
8 -10.604 -19.597	311.78146		8 -80.9	27.3	5.07130	0.852 -	-88.1 69.0 -86.0 68.5 -85.7 69.3 -85.2 70.2 -90.8 70.5	38.0 32.0	30.1	16.12370 7-8
9 -10.566 -18.781			-80.7	26.5	5.28877	Ú-80ô -	-85.7 69.3	34.5 36.1	34.7	24.33148 8- 9 26.83965 9-10
10 -10.524 -17.881	340,43204	69.3 10	-80.4	25.6	5.53281	0.764	-85.2 70.2	30.5 40.4	39.3	26.83965 9-10
11 -11.226 -17.708 12 -12.036 -17.499	347.57798	-64.6 11	-3 -82.8	27.1	5.66345	0.743	-90.8 70.5	30.4 42.1	39.1	21.86849 10-11 25.30478 11-12
13 -12.008 -18.469		-57 0 10	9 -85.4	_ 28 • 7	5 63030	0.718	-96.9 70.7 -96.3 69.8	34 4 40 3	33.4	28.75800 12-13
14 -11.985 -19.343			8 -85.3	30.4	5.29440	0.107	-95.7 68.9	38.1 36.5	28.8	25.88699 13-14
15 -11.247 -19.481			-83.0				-90.7 68.7			22.72478 14-15
16 -10.604 -19.597	311.78146		.8 -HO.9	27.3	5.07130	0.852	-86.0 68.5	38.0 32.0	30.1	19.77784 15-16
								_		
JULY 31,1964 13 HR	33 Mts 62"	Cr. 222 No.		TAB NO	179	ATLAS	PHOTO NO	179	POD S	EQUENCE NO 361.
JULY 31,1964 13 HK	23 MIN 30	3EU 223 M3	•							
TRAJECTORY DATA				IMPACT	ALT	LAT	LON	R	v	PTH AZ
				.576	259.72833	9.07	2 -23.971	1995.184	2.470	-66.370 115.358
PHOTO DATA										
PT LAT LON	RANGE	AZS/C /	ZN AZSUN	AZA	Δ+	B/A A	ZPHAZ INCD -90.7 69.5	PHAZ EMIS	ALPHA	SCALE PT-PT
2 -11.214 +18.717	316.98746	-62.0 10		28.0	2.11003	0.789	-90.7 69.5	34.2 37.9	34.3	0. 1- 2
3 -10.882 -19.196			-81.8		3.00732	0.022	0001 0700	30.0 34.0	25.0	17.42804 2- 3
4 ~10.856 -18.364 5 -11.574 -18.197				26.8 28.3	5.23311 5.36219		-87.9 69.6 -93.6 70.0			22.30062 4- 5
6 -11.568 -19.059		-60.9 11 -58.0 10		20 1	6 1221p	0 700 .	-02 2 40 2	34 1 37 A	31 6	25.57492 5- 6
7 -10.882 -19.196				27.6	5.00752	0.822	-88.1 69.0	36.0 34.8	32.3	21.18195 6- 7
8 -10.608 -19.634	298.66334	-64.4 8	.8 -80.9	27.4	4.85793	0.852	-86.0 68.5	38.0 31.9	30.1	15.43854 7- 8
9 -10.571 -18.852	310.87212	-67.1	.7 -80.7	26.5	5.06581	0.810	-86.0 68.5 -85.6 69.3 -85.2 70.1 -90.8 70.3	34.3 36.1	34.6	23.29279 8- 9
10 -10.531 -17.991			-80.4	25.7	5.29872	0.765	-85.2 70.1	30.6 40.3	39.2	25.67552 9-10
11 -11.203 -17.826			-82.8	27.1	5.42359	0.744	-90.8 70.3	30.4 42.0	38.9	20.93805 10-11
12 -11.979 -17.627	342.54473	-59.8 12		28.7	5.56950	0.719	-96.9 70.6	30.7 44.3	37.8	24.21706 11-12
13 -11.952 -18.554 14 -11.931 -19.390	325.70472 312.17172		0.9 -85.4 0.8 -85.3	30.3	5.30521	0.165	-96.3 69.7 -95.7 68.9	39.4 40.2	33.3	27.49734 12-13 24.77414 13-14
15 -11.224 -19.523	304.22050		).3 -83.0				-90.7 68.7			21.76054 14-15
16 -10.608 -19.634	298.66334		3.6 -80.9				-86.0 68.5			18.94433 15-16
10 100000	2.0000055.									
				TAB NO	180	ATLAS	PHOTO NO	180	POD S	EQUENCE NO 363
JULY 31,1964 13 HR 24 MIN 1 SEC 343 MS										
TRAJECTORY DATA			sec to	IMPACT	AL T	LAT	LCN	к	v	PTH AZ
TRAJECTORY DATA				.456						-66.281 115.335
PHOTO DATA				• • • • •	2.00.1310	. ,		.,,,,,,,,		
PT LAT LON	RANGE	AZS/C	AZN AZSUN		A =		ZPHAZ INCD			SCALE PT-PT
2 -11.191 -18.795				26.0	4.948C1	0.790	-90.7 69.4	34.2 37.8	34.2	
3 -10.873 -19.252				27.6			-88.1 68.9			16.64623 2- 3
4 -10.849 -18.458				26.8			-87.9 69.7			23.63440 3-4
5 -11.535 -18.300	314.15028			28.3	5.12477	0.757	-93.6 69.9	32.4 40.9	36-1	21.30724 4- 5
6 -11.529 -19.122 7 -10.873 -19.252	300.19745			29.1	4.89612	0.800	-93.3 69.1 -88.1 68.9	36 0 36 0	31.7	24.41839 5- 6 20.24324 6- 7
8 -10.612 -19.671	285.50592		3.8 -80.9	27.6	4.64302	0.852	-86.0 68.5	38-0 31 9	30.0	14.75174 7- 8
9 -10.577 -18.924				26.6	4.84221	0.811	~85.6 69.2	34.3 36.0	34.5	22.25197 8- 9
10 -10.538 -18.102		-69.2 10		25.8	5.06402	0.766	-85.2 70.0	30.6 40.2	39.1	24.51064 9-10
11 -11.181 -17.945	318.09835			27.2			-90.8 70.2			20.00570 10-11
12 -11.921 -17.756	327.32124		1.9 -85.5	28.7	5.32198	0.721	-96.9 70.5	30.7 44.1	37.7	23.12792 11-12
13 -11.896 -18.641	±11.29491	-57.0 10		29.5	5.07051	0.766	-96.3 69.6	34.4 40.1	33.2	26.23707 12-13
14 -11.876 -19.439					4.84750	808.0	-95.1 68.8	38.1.36.4	28.7	23.65972 13-14
15 -11.201 -19.565	290.81388			26.8			-90.7 68.6			
16 -10.612 -19.671	285.50592	-64.4	8.8 -90.9	27.4	4.64392	0.852	-86.0 68.5	38.0 31.9	30.0	18.10838 15-16

			RA-VII CAME	RA FB			61				
			TAB N	0 181	ATLAS PHOTO NO	181 900	SECULENCE NO 365				
JULY 31,1964 13 HR	24 MIN 6 SEC 4	53 MS	***************************************	- 101	AIDAS THOTO NO	101	SEQUENCE NO 303				
TRAJECTURY DATA			SEC TO IMPAC 102.336		LAT LCN 1 -9.198 -23.701	k V	PTH AZ 2 -66.191 115.312				
PHOTO DATA			1024330	230.3242	. ,,. 23.,	17/11/07 2:40	-00:171 113:312				
	RANGE AZS/		AZSUN AZA		B/A AZPHAZ INCU	PHAZ EMIS ALPHA	SCALE PT-PT				
2 -11.167 '-18.874					C.791 -9C.7 69.3	34.2 37.7 34.1					
3 -10.865 -19.310 4 -10.841 -16.553	279.84908 -63.	9.5		4.56527	0.823 -88.1 68.9		15.86316 2- 3				
5 -11.495 -18.402						32.3 38.8 36.7 32.4 40.8 36.0	22.51828 3- 4 20.31168 4- 5				
	286.29647 -58.					36.1 36.9 31.5					
7 -10.865 -19.310					0.823 -88.1 68.9						
	272.30868 -64.	3 8.8	-80.9 27.4	4.42926	C.853 -86.0 68.4	38.0 31.9 30.0	14.06327 7- 8				
9 -10.582 -18.997				4.61797	0.811 -85.6 69.1	34.3 35.9 34.5	21.20910 8- 9				
10 -10.545 -18.214	297.10551 -69.	2 10.6		4.82871	0.768 -85.2 69.9	30.6 40.1 39.0	23.34502 9-10				
11 -11.157 -18.065	303.30291 -64. 312.06272 -59.	11.2				30.4 41.8 38.7	19.07135 10-11				
12 -11.863 -17.885 13 -11.940 -18.727	312.06272 -59. 296.84636 -57.	8 11.9 0 10.8				30.7 44.0 37.6 34.4 40.0 33.1	22.03757 11-12				
14 -11.821 -19.488	284.58062 -53.					38.1 36.3 28.7	24.97728 12-13 22.54376 13-14				
15 -11.177 -19.608	277.36700 -59.					37.9 33.8 29.7	19.82562 14-15				
16 -10.615 -19.709	272.30868 -64.				0.853 -86.0 68.4		17.27002 15-16				
			TAB N	O 182	ATLAS PHOTO NO	182 POD	SEQUENCE NO 367_				
JULY 31,1964 13 HR	24 MIN 11 SEC 5	B3 MS					•				
TRAJECTORY DATA			SEC TO IMPAC	T ALT	LAT LON	R V	PTH AZ				
TRASECTORY DATA			97.216	224.8776	9 -9.262 -23.564	1960-333 2-48	PIN 84 8 ≈66.100 115.288				
PHOTO DATA					, ,,,,,,,	1,000,000	-001100 1131200				
PHOTO DATA PT LAT LON 2 -11.144 -18.954 3 -10.856 -19.368	RANGE AZS/	C AZN	AZSUN AZA	A =	B/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT				
2 -11.144 -18.954	274.87216 -62.	0 10.2	-82.6 28.0	4.48886	0.792 -90.7 69.2	34.2 37.6 34.1	0. 1-2				
3 -10.856 -19.368	266.23637 -63.	2 9.5	-81.7 27.7	4.34320	0.824 -88.1 68.8	36.1 34.6 32.1	15.07914 2- 3				
4 -10.833 -18.649	218-11968 -65-	8 10.4	-81.5 27.0	4.53/08	0.781 -87.9 69.5						
5 -11.455 -18.506 6 -11.451 -19.250	284.93126 -60. 272.35809 -58.				0.759 -93.6 69.7	32.4 40.7 35.9					
7 -10-656 19-368				4.44200	C.802 -93.3 69.0 0.824 -88.1 68.8	30,1 30.8 31.4	22.10276 5- 6				
8 -10.619 -19.747	259.07386 -64.	3 8.8	-80.9 27.5	4.21399	G.853 -86.0 68.4	38 0 31 8 30 0	18.35878 6- 7				
9 -10.587 -19.070					0.812 -65.6 69.1						
10 -10.552 -18.326		1 10.6			C.769 -85.2 69.8						
11 -11.134 -18.185			-82.7 27.3		0.749 -90.8 70.0						
12 -11-805 -18-015	296.77312 -59.	8 11.8	-85.4 28.7	4.82530	0.724 -96.9 70.2	2 30.7 43.8 37.4					
13 -11.784 -18.815	282.36217 <u>-51</u> ,	0_10.8	-85.3 29.5	4.59926	C.768 -96.3 69.4 C.81C -95.7 68.7	34.4 39.9 33.0					
14 -11.765 -19.537 15 -11.153 -19.651	270.72786 -53.	8 9.7	-85.3 30.2 -82.9 28.8	4.398C6	0.810 -95.7 68.7	38.1 36.2 28.6					
16 -10.619 -19.747	263.88216 -59. 259.07388 -64.	3 8.8	-80.9 27.5			37.9 33.8 29.6 38.0 31.8 30.0	18.85501 14-15 16.42918 15-16				
10 100017 170141	237637300 1746		00.7 27.	7.21377	0.033 -00.0	70.0 71.0 70.0	10.42718 15-16				
			TAB N	0 183	ATLAS PHOTO NO	183 POD	SEQUENCE NO 369				
JULY 31,1964 13 HR 24 M(N 16 SEC 703 MS											
TRAJECTORY DATA			SEC TO IMPAG	T ALT	LAT LON	R V	PTH AZ				
TRASECTORT DATA			92.096		E -9.327 -23.425						
PHOTO DATA					- / / 250 / 250 / 250	17101017 2017	* 00.000 1.51.607				
	RANGE AZS/		AZSUN AZA		B/A AZPHAZ INCE						
2 -11.120 -19.034				4.25833	0.793 -90.7 69.2	34.2 37.6 34.0	0. 1-2				
3 -10.847 -19.426					0.824 -88.1 68.7	7 36.1 34.6 32.0	14.29405 2- 3				
4 -10.825 -18.745					0.782 -87.9 69.4	32.3 38.6 36.5 32.4 40.6 35.8	20.28298 3- 4				
5 -11.415 -18.610 6 -11.411 -19.315	270.26655 -60. 258.37992 -58.	9 10.9 0 9.9			0.760 -93.6 69.6	32.4 40.6 35.8	18.31526 4- 5				
7 -10.847 -19.426						9 36.1 36.7 31.3 7 36.1 34.6 32.0	20.94384 5- 6 17.41335 6- 7				
8 -10.622 -19.786	245.79877 -64.					38.0 31.8 29.9					
9 -10.591 -19.145	255.75238 -66.	9 9.7				34.3 35.8 34.3					
10 -10.558 -18.440	268.04105 -69.	0 10.6			0.770 -85.2 69.7	7 30.6 39.9 38.8	21.01304 9-10				
11 -11.111 -18.306	273.60856 -64.	4 11.1	-62.7 27.	4.45820	0.750 -90.8 69.9	3 30.4 41.6 38.5	17.19737 10-11				
12 -11.747 -18.146						1 30.7 43.7 37.3	19.85392 11-12				
13 -11.727 -18.903	267.83990 -57.					34.4 39.8 32.9					
14 -11.710 -19.587 15 -11.129 -19.695	.256.83570 -53.		-85.1 30.2	4.17240	0.811 -95.7 68.7	7 38.1 36.2 28.6					
	245.79877 -64.		-82.9 28.6 -80.8 27.5	4.0793	0.834 -90.7 68.5 0.853 -86.0 68.4	29.6	17.88230 14-15 15.58622 15-16				

				RA-VII	CAMERA	F B									62
JULY 31,1964 13 HR	26 MIN 21	SEC 923	MS		TAB NO	184	ATL	AS PHOTO	NO	184		POD :	SEQUENCE	NO	371
		320 023													_
TRAJECTORY DATA				SEC TC 86.	IMPACT	ALT 201.54546	LA1		N 284		R 7.001	2.500	PTH -65.915	115.	
PHOTO DATA	RANGE				2	A •					=				T-PT
PT LAT LON 2 -11.096 -19.115			10.2	AZ SUN -82.8				AZPHAZ -90.7					SCALE O.		1-2
3 -10.838 -19.486		-03.1	9.4	-81.7	27.8	3.89717						32.0	13.5081		
4 -10.817 -18.842		-65.7	10.4	-81.5	27.1	4.07004							19.1638	8	3- 4
5 -11.375 -18.715	∠55.56935	-60.8	10.9	-84.0	20.4	4.16914	0.762	-93.6	69.5	32.4	40.5	35.6	17.3144		4- 5
6 -11.371 -19.381	244.36678	-58.0	9.9	-84.0	29.1	3.98556		-93.3	68.8	36.1	36.7	31.3	19.7845		5- 6
7 -10.838 -19.486	238.89462	-63.1	9.4	-81.7	27.8			-88.1					16.4658		6- 7 7- 8
8 -10.625 -19.826 9 -10.596 -19.219	232.46805	-64.2 -66.8	8.8 9.7	-80.8	27.6			-86.0					11.9894		7→ 8 8- 9
10 -10.564 -18.553		-60.0	10.0	-80.6 -80.2	20.9 26.1			-85.6 -85.2					19.8467		9-10
11 -11.087 -18.427		-64.4	11.1	-82.7	27.4	4.21548	0.751	-90.8	1.00	30-4	41.4	38.3	16.2580		
12 -11.688 -18.277		-59.8	11.7	-85.4	28.1	4.32655	0.728		69.9	30.7	43.6	37.1	18.7608	7_1	1-12
13 -11.669 -18.991	253.28466	-57.0	10.7	-85.3	29.4	4.12565		-96.3	69.2	34.4	39.7	32.8	21.2041	2 1	2-13
14 -11.653 -19.638	242.90880	-53.6	9.7	-85.3	30.1	3.94616			68.6	38.1	36.1	28.5	19.1892		
15 -11.104 -19.740			9.2	-82.9	28.8	3.85839	0.834	-90.6	68.5	37.9	33.7	29.5	16.9077		
16 -10.625 -19.826	232+46805	-64.2	8.8	-80.8	27.6	3.78156	C+654	-86.0	68.3	38.0	31.8	29.9	14.7410	1 1	5-16
					TAD NO	105	ATL	AC DUOTO	NO	106		DOD 9	SEQUENCE I	NΩ	272
JULY 31,1964 13 HR	24 MIN 26	SEC 943	۲S		IAB NO	165	AID	AS PHUIU	NU	100		FUD .	SEQUENCE	110	3/3
TRAJECTORY DATA				SEC TO	INPACT	ALT 189.84944	LA1			192	R 5.305	V 2-506	PTH -65-822	A	
PHOTE DATA				01.	1001	107.0474		130 -23.	142	172	J. J.	2.700	07.022		•••
PT LAT LON	RANGE	AZSZC	AZN	AZ SUN	AZA	Α.	b/A	AZPHAZ	INCD	PHAZ	EMIS	ALPHA	SCALE	ρ	T-PT
2 -11.071 -19.197				-82 · B		3.79550						33.8	0.		1- 2
3 -10.828 -19.546		-63.1	9.4	-81.7		1.67320		-86.1				31.9	12.7212	0	2- 3
4 -10.809 -18.939	235.17025	-65.6	10.4	-81.5		3.83561				32.3			18.0437		
5 -11.334 -18.820	240.H3433	-60.8	10.9	-94.0		3.92877						35.5	16.3116		4- 5
6 -11.331 -19.447	230.31328	-58.0	9.9	-84.0	29.1	3.75635				36.1		31.2	18.6247		5- 6
7 -10.828 -19.546	225.16562	-63.1 -64.2	9.4	-81.7 -80.8	27.8	3.67320				36.1 38.0		31.9 29.8	15.5160 11.2954	2	7-8
8 -10.628 -19.866 9 -10.600 -19.295	219.13690	-66.8	9.8	-80.8	26.9					34.3		34.2	17.0202	3	8- 9
10 -10.571 -18.668		-66.9	10.6	-80.2		3.88179							18.6801		9-10
11 -11.063 -18.550	243.7/895	-64.4	11.1	-82.6		3-97216	0.753	-90.8	69.6	30.4	41.3	38.2	15.3166		
12 -11.629 -18.408			11.7	-H5.3		4.07639			69.8	30.7	43.4	37.0	17.6666		
13 -11.612 -19.081		-57.0	10.6	-85.3	29.4	3.88795	0.772	-96.3	69.2	34.4	39.6	32.7	19.9484	4 1	2-13
14 -11.597 -19.689		-53.8	9.6	-85.3		3.71927		-95.7	68.6	38.1	36.0	28.5	18.0688	1 1	3-14
15 -11.079 -19.785		-58.9	9.2			3.63676						29.5	15.9310		
16 -10.628 -19.866	219.13690	-64.2	8.8	-80.8	27.6	3.56439	0.854	-86.0	68.3	38.0	31.7	29.8	13.8934	3 1	5-16
					TAB NO	186	ATL	AS PHOTO	NO	186		POD	SEQUENCE	NO	375
JULY 31,1964 13 HF	24 FIN 32	3EC 03	w 2												
TRAJECTORY DATA				SEC TO 76.	1MPACT 737	ALT 178.1331	E -9.	1 LC 525 -22.	N 997		R 3.58	v 8 2.512	PTH 2 -65.727		.189
PHOTO DATA															
PT LAT LEN				AZ SUN	AZA	Δ.		AZPHAZ					SCALE		T-PT
2 -11.040 -19.279			10.1	-H2.8	29.1							33.7	0.		1- 2
3 -10.818 -19.606			9.4	-81.7								31.8	11.9324		2- 3 3- 4
4 -10.800 -19.038	220.75217	-65.6 -60.8	10.4	-81.4		3.60046				32.3		36.2 35.4	15.3061		4- 5
5 -11.291 -18.926 6 -11.290 -19.514	216.21374	-58.0	9.9	-83.9 -84.0		3.52639				36.1		31.1	17.4631		5- 6
7 -10.818 -19.606	211.39085	-63.1	9.4	-61.7		3.44649				36.1		31.8	14.5632		6- 7
8 -10.630 -19.967			8.8			3.34650				38.C		29.8	10.5992		7- 8
9 -10.604 -19.371				-HO.5				-85.6		34.3		34.1	15.9679		8- 9
10 -10.570 -19.783										30.6			17.5123	8	9-10
11 -11.038 -18.673	228.80258	-64.3	11.1	-82.6	27.5	3.72813	0.754	-90.8	69.5	30.4	41.2	38.1	14.3726	9 1	
12 -11.570 -18.541	235.28318	-59.8	11.6					-96.9					16.5702		
13 -11.554 -19.171	224.05154	-57.0	10.6	-85.3	24.4	3.64950	0.773	-96.2	69.l	34.4	39.5	32.6	18.6924	7 1	12-13

				RA-VI	CAMEKA	FE								63
JULY 31,1964 13 h	R 24 MIN 37	SEC 182	MS		TAB NO	187	ATLA	AS PHOTO	NO	187		POD S	SEQUENCE N	10 377
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	r LC	`N		R	v	PTH	A 7
					617	166.39661		93 -22.		19			-65.631 1	
PHOTO DATA PT LAT LON	RANGE	AZS/C	- Δ/Ν	AZ SUN	AZA	Α•	. B/A	AZPHAZ	I NC D	PHA?	EMIS	AL DHA	SCALE	PT-PT
2 -11.021 -19.362		-61.8	10.1	-82.7	28.2	3.32986						33.6	0.	1- 2
3 -10.808 -19.668		-63.0	9.4	-61.7	27.9	3.22309		-88.1	68.5	36.1	34.3	31.8	11.14248	2-3
4 -10.791 -19.137		-65.5	10.3	-61.4 -83.9	27.3	3.36464					38.2	36.0	15.79831	
5 -11.252 -19.033 6 -11.249 -19.582		-60.8 -58.0	10.8	-83.9 -84.0	28.4 29.1	3.44590 3.29575				36.1	40.1	35.3 31.1	14.29839	
7 -10.808 -19.668		-63.0	9.4	-91.7	27.9	3.22369				36.1		31.8	13.60784	
8 -10.632 -19.948	192.30315	-64.1	8.8	-80.8	27.7	3.12793	0.855	-86.0	68.2	38.0	31.6	29.7	9.90150	7-8
9 -10.608 -19.448		-66.6	9.7		27.1	3.25931				34.3		34.0	14.91361	
10 -10.582 -18.900 11 -11.013 -18.797		-68.8 -64.3	10.6		26.4 27.5	3.40457 3.48348				30.6	39.5	38.3	16.34407	
12 -11.510 -18.674					28.7	3.57469					43.1		13.42657 15.47253	10-11
13 ~11.495 -19.262	209.37155	-57.0	10.6	-85.2	29.4	3.41039				34.4		32.5	17.43703	12-13
14 -11.482 -19.794	200.87293	-53.9	9.5	-85.3	30.0	3.26331		-95.7	68.4	38.1	35.9	28.4	15.82224	
15 -11.028 -19.878		-58.9	9.1		26.8	3.19132					33.5	29.4	13.96913	
16 -10.632 -19.948	192.30315	-64.1	8.8	-80.8	27.7	3.12793	C.855	-86.0	68.2	38.C	31.6	29.7	12.18988	15-16
JULY 31,1964 13 H	R 24 MIN 42	SEC 302	MS		TAB NO	188	ATLA	AS PHOTO	NO	188		POD S	SEQUENCE N	iO 379 _
THALFCTORY DATA				SSC TO	IMPACT	ALT	LAT		:N				0.711	
TRAJECTURE DATA					497	154.63948				18	к 90.095	y 2.525	PTH -65.534 1	AZ .15.136
PHOTO DATA														
PT LAT LON 2 -10.995 -19.446	RANGE	AZS/C	ΔZN	AZSUN	AZA	Δ.		AZPHAZ					SCALE	PITE
2 -10.995 -19.446 3 -10.797 -19.730	189.58592	-61.8		-82.7		3.09607		-90.7	68.7	34.2	37.1	33.5	0.	
4 -10.781 -19.237		-65.5	9.4	-81.6 -81.4	27.9 27.3	2.99706 3.12823					34.3	31.7 35.9	10.35166	
5 -11.210 -19.141			10.8	-83.9	28.4	3.20357					40.0	35.2	13.28886	
6 -11.207 -19.650	187.89159	-58.0	9.8			3.06447					36.3	31.0	15.13791	
7 -10.797 -19.730		-63.0	9.4	-81.6	27.9	2.99706		-88.1	68.4	36.1	34.3		12.65022	
8 -10.634 -19.990 9 -10.611 -19.526		-64.0	8.8	-80.8	27.7	2.90872					31.6	29.7	9.20238	
10 -10.511 -19.526			9.7 10.6		27.1 26.5	3.03C58 3.165C8				34.3	39.3	33.9 38.2	13.85780	
11 -10.988 -18.921	198.73881	-64.3	11.0			3.23828				30.5		37.8	12.47869	
12 -11.449 -18.808		-59.7	11.5		26.7	3.32213				30.7		36.6	14.37368	
13 -11.436 -19.353		<u>-57.1</u>			29.3	3.17069		-96.2	68.9	34.4	39.3	32.4	16.18293	12-13
14 -11.424 -19.848		-53.9	9.5		29.9	3.03436		-95.7			35.8	28.3	14.69735	
15 -11.002 -19.925		-58.9		-82.9	28.8	2.96760					33.4	29.3	12.98496	
16 -10.634 -19.990		-64-0		-60.6	27.7	2.90872	0.855	-86.0	68.2	38.0	31.6	29.7	11.33434	15-16
JULY 31,1964 13 H	R 24 MIN 47	SEC 422	PS		TAB NO	189	ATLA	AS PHOTO	NO	189		POD S	SEQUENCE N	10 381
TRAJECTORY DATA				SEC TO	IMPACT	AL T	LAT	r L0	N		R	v	PTH	ΔZ
				61	.377	142.8616	8 -9.7	731 -22.	553	18	78.317	2.532	-65.435 1	15.109
PHOTO DATA PT LAT LON	RANGE	AZS/C	A 7 51	4Z SUN	AZA	Δ.	0.44	4.7044.2	11150		- W			
	175.24440					2.86186		AZPHAZ -9C.7					SCALE Q.	PT-PT 1- 2
3 -10.786 -19.792	169.83402	-63.0	9.4	-81.6	28.0	2.77056	0.828	-8t.1	68.4	36.1	34.2	31.6	9.56120	2- 3
4 -10.771 -19.337	177.27928	-65.5		-81.4	27.4	2.89143						35.8	13.55132	
5 -11.167 -19.248		-60.B	10.7	-83.9	28.5	2.96067					39.9		12.27855	4-5
6 -11.165 -19.718			9.8		29.0	2.83275		-93.3					13.97694	
7 -10.786 -19.792 8 -10.635 -20.032			9.4 8.8			2.77056 2.68902		-88.1 -86.0				31.6 29.7	11.69127	
9 -10.614 -19.603			9.7		27.2	2.80141		-85.6				33.8	8.50311 12.80211	
10 -10.592 -19.133		-68.7				2.92525		-85.2				38.1	14.00977	
11 -10.963 -19.045	183.67070	-64.2	11.0	-82.5	27.6	2.99276	0.759	-90.8	69.1	30.5	40.8	37.7	11.53029	10-11
12 -11.389 -18.941		-59.7	11.5			3.06992					42.8	36.4	13.27537	11-12
13 -11.377 -19.444			10.5			2.93060					39.2	32.3	14.93265	
14 -11.366 -19.901									AR. 3	3 H . T	35.7	28.2		2 13-14
15 -10 074 -10 077	172.65677			-02.0	20 0	. ZEOUT72.	0.013	-90 4	40 7	27 0	23 /	20 2		
15 -10.976 -19.972 16 -10.635 -20.032	168.36748	-58.9	9.1	-82.9 -80.6	28.8	2.74341	C.837	-90.6 -86.0	68.2	37.9	33.4	29.3		14-15

	RA-VII CAMERA	FB	64
JULY 31,1964 13 HR 24 MIN 52 SEC 542 MS	TAB NO	190 ATLAS PHOTO NO 190	POD SEQUENCE NO 383
JULY 31,1984 13 HK 24 FIN 32 360 342 m3			
TRAJECTORY DATA	SEC TO IMPACT 56.257	ALT LAT LCN R 131.06296 -9.801 -22.401 1866.	
PHOTO DATA			
PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A* B/A AZPHAZ INCO PHAZ EM	IS ALPHA SCALE PT-PT
2 +10.945 -19.614 160.66663 -61.8 10.6 3 -10.775 -19.854 155.91210 -62.9 9.4	-82.7 28.2	2.62707 0.799 -90.7 68.6 34.2 37 2.54345 0.828 -88.1 68.3 36.1 34	.0 33.4 0. 1-2 .2 31.6 8.77024 2-3
		2.65406 0.790 -87.9 68.7 32.3 37	
5 -11.125 -19.355 166.59119 -60.7 10.7	-B3.8 28.5	2.71763 0.769 -93.6 68.8 32.4 39	.8 35.0 11.26682 4-5
6 -11.123 -19.787 159.43923 -56.0 9.7	-84.0 29.0	2.60043 <u>C.808</u> -93.3 68.4 36.1 36 2.54345 0.828 -88.1 68.3 36.1 34	.2 30.8 12.81603 5- 6 .2 31.6 10.73033 6- 7
	-80.7 27.8	2-46870 0-856 -86-0 68-1 38-C 31	.5 29.6 7.60262 7- B
9 -10.617 -19.681 157.81056 -66.5 9.7	-HO.4 27.3	2.57165 0.818 -85.6 68.5 34.3 35 2.68489 0.779 -85.1 68.9 30.6 35 2.74672 0.760 -90.8 69.0 30.5 40	.3 33.8 11.74523 8- 9
10 -10:597 -17.250 105.1921/ -68.6 10.6	-80.1 26.7	2.68489 0.779 -85.1 68.9 30.6 39	.1 37.9 12184416 9-10
	-82.5 21.7	2.74672 C.76C -90.8 69.C 30.5 4C 2.81724 0.738 -96.9 69.1 30.7 42	.7 37.5 10.58027 10-11 .7 36.3 12.17620 11-12
13 -11.317 -19.535 165.14049 -57.1 10.4	-85.1 28.7 -85.2 29.3	2.68995 0.778 -96.2 68.7 34.4 39	.1 32.2 13.68406 12-13
14 -11.307 -19.954 158.49742 -53.9 9.4	-85.2 29.8	2.57493 C.816 -95.7 68.3 38.1 35	.7 28.2 12.44918 13-14
		2.51859 0.837 -90.6 68.2 37.9 3	
		2.46870 C.856 -86.0 68.1 38.0 31	.5 24.6 4.61/44 15-16
JULY 31,1964 13 HR 24 MIN 57 SEC 662 MS	TAB NO	191 ATLAS PHOTO NO 191	POD SEQUENCE NO 385
TRAJECTORY DATA			V PTH AZ
DUCKO CATA		ALT LAT LCN F 119.24339 -9.872 -22.247 1854.	
PT LAT LCN RANGE AZS/C AZI 2 -10.917 -19.699 146.44661 -61.8 10.0 3 -10.764 -19.917 141.94742 -62.9 9.4	AZSUN AZA	A. B/A AZPHAZ INCO PHAZ E	IS ALPHA SCALE PT-PT
2 -10.917 -19.699 146.44681 -61.8 10.0	-82.7 28.2	2.39158 0.800 -90.7 68.5 34.2 36	.9 33.3 0. 1-2
4-10.751 -19.537 148.13067 -65.4 10.3	-01.0 20.0 3 -81.3 27.5	2.41602 0.791 -87.9 68.6 32.3 3	7.8 35.6 11.30347 3- 4
5 -11.082 -19.464 151.64021 -60.7 10.3	7 -63.8 28.5	2.47313 0.770 -93.6 68.7 32.4 39	0.7 34.9 10.25267 4- 5
6 -11.080 -19.856 145.15195 -58.0 9.3	-84.0 29.0	2.36741 0.809 -93.2 68.3 36.1 36	0.1 30.8 11.65427 5- 6
7 -10.764 -19.917 141.94742 -62.9 9.6 8 -10.637 -20.116 138.18607 -63.9 8.8	-81.6 28.0 3 -80.7 27.9	2.31564 0.829 -88.1 68.3 36.1 36 2.24769 0.856 -86.0 68.1 38.0 3	1.5 29.6 7.10066 7- 8
9 -10.620 -19.759 143.66869 -66.4 9.	7 -80.4 27.3	2.34120 0.819 -85.6 68.4 34.3 3	.2 33.7 10.68639 8- 9
10 -10.601 -19.368 150.36364 -68.5 10.6		2.44389 0.780 -85.1 68.8 30.6 3	0.0 37.8 11.67804 9-10
11 -10.911 -19.295 153.43233 -64.2 10.4 12 -11.266 -19.209 157.69149 -59.7 11.4	9 -82.4 27.7	2.44389 0.780 -85.1 68.8 30.6 3 2.50005 0.761 -90.8 68.9 30.5 40 2.56396 0.740 -96.9 69.0 30.7 40	
13 -11.257 -19.627 150.32510 -57.1 10.4	-85.2 29.3	2.44863 0.779 -96.2 68.6 34.4 3	
14 -11.248 -20.008 144.29558 -54.0 9.4	+ -85.2 29.8	2.34422 0.817 -95.7 68.2 38.1 3	5.6 28.1 11.32341 13-14
15 -10.922 -20.067 140.72925 -58.9 9.	-82.9 28.8	2.29307 0.838 -90.6 68.1 37.9 3	
	8 -80.7 27.9	2.24769 0.856 -86.0 68.1 38.0 3	
JULY 31,1964 13 HR 25 MIN 2 SEC 782 MS	TAB NO	192 ATLAS PHOTO NO 192	POD SEQUENCE NO 387
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN 1 107.40273 -9.944 -22.091 1842	R V PTH AZ
PHOTO DATA			
PT LAT LON RANGE AZS/C AZI	N AZSUN AZA	A. B/A AZPHAZ INCO PHAZ E	IS ALPHA SCALE PT-PT
2 +10.890 -19.784 131.98691 -61.7 10.1 3 -10.752 -19.980 127.94160 -62.9 9.1	0 -82.6 28.3 + -81.6 26.1	2.15544 0.801 <u>-90.7 68.4 34.2 3</u> 2.08716 0.829 -88.1 68.2 36.1 3	2-8-23-6 0- 1-2
4 -10.740 -19.639 133.49716 -65.3 10.		2.17735 0.792 -87.9 68.5 32.3 3	7.7 35.5 10.17808 3-4
5 -11.038 -19.573 136.65145 -60.7 10.0		2.22922 0.772 -93.6 68.6 32.4 3	9.6 34.8 9.23663 4-5
6 -11.037 -19.926 130.82394 -58.0 9.7		2.13372 C.81C -93.2 68.3 36.1 3	
7 -10.752 -19.980 127.94160 -62.9 9. 8 -10.638 -20.162 124.55682 +63.9 8.		2.08716 0.829 -88.1 68.2 36.1 3 2.02600 0.856 -86.0 68.0 38.0 3	
9 -10.022 -19.839 129.48074 -66.4 9.	7 -80.4 27.4	2.11010 0.819 -85.6 68.3 34.3 3	5.1 33.6 9.62592 8- 9
10 -10.605 -19.486 135.49843 -68.5 10.0	5 -80-0 26-9	2.11010 0.819 -85.6 68.3 34.3 3 2.20229 0.781 -85.1 68.7 30.6 3	8.9 37.7 10.51187 9-10
11 -10.884 -19.420 138.25768 -64.1 10. 12 -11.205 -19.344 142.08033 -59.7 11.	9 -82.4 27.7 3 -85.1 28.7	2.25279 0.763 -90.7 68.8 30.4 4 2.31014 0.742 -96.9 68.9 30.7 4 2.20667 0.78C -96.2 68.5 34.4 3	0.4 37.3 8.67421 10-11 2.4 36.0 9.97396 11-12
12 -11.205 -19.344 142.08033 -59.7 11. 13 -11.196 -19.720 135.47101 -57.1 10.	3 -85.2 23.2	2.20667 0.780 -96.2 68.5 34.4 3	8.9 32.1 11.18925 12-13
14 -11.188 -20.063 130.05287 -54.0 9.	4 -85.2 29.8	2.11284 0.817 -95.7 68.2 38.1 3	5.5 28.1 10.1966 <u>6 13-14</u>
15 -10.895 -20.116 126.84694 -58.9 9.	1 -82.9 28.8	2.06687 0.838 -90.6 68.1 37.9 3 2.02600 0.856 -86.0 68.0 38.0 3	3.2 29.1 9.03046 14-15
16 -10.638 -20.162 124.55682 -63.9 B.	8 -80.7 27.9	2.02600 0.856 -86.0 68.0 38.0 3	1.5 29.5 7.89187 15-16

TRAJECTORY DATA  SEC TO IMPACT 40.898  PHOTO CATA  PT LAT LCN RANGE AZS/C AZN AZSUN AZA 1.91859 0.832 -90.7 68.3 34.2 36.7 33.1 0. 1-2 3.10.740 -20.045 113.89163 -62.8 9.4 -81.6 28.1 1.85795 0.830 -80.1 36.3 32.3 37.6 35.4 9.05139 3-4 5.6 10.994 -19.996 116.45199 -58.0 9.7 -83.9 29.0 1.89932 0.810 -93.2 68.2 36.1 36.0 30.6 9.32894 5-6 7.10.638 -20.206 110.88344 -63.8 8.8 -80.7 27.9 110.51059 0.820 -95.1 68.2 136.1 36.1 36.0 31.4 27.5 5.69218 7-8 9.10.638 -20.206 110.88344 -63.8 8.8 -80.7 27.9 1.80559 0.857 -86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9.10.624 -19.919 115.26151 -66.3 9.7 -80.3 27.4 1.87829 0.850 -85.5 68.2 36.0 38.0 31.4 29.5 5.69218 7-8 9.10.624 -19.919 115.26151 -66.3 9.7 -80.3 27.4 1.87829 0.850 -85.5 68.0 38.0 31.4 29.5 5.69218 7-8 9.10.624 -19.919 115.26151 -66.3 9.7 -80.3 27.4 1.87829 0.850 -85.5 68.0 30.8 37.5 9.34513 9-10 10.10.609 -19.605 120.0592241 -68.4 10.05 20.0 1.8023 0.782 -85.5 16.800 0.820 -85.5 68.3 28.3 35.1 33.5 8.56347 8-9 10.10.609 -19.605 120.0592241 -68.4 10.05 20.0 1.8023 27.0 1.87829 0.850 -85.5 68.0 38.0 31.4 29.5 5.69218 7-8 9.10.624 -19.919 115.26151 -66.3 9.7 -80.3 27.4 1.87829 0.850 -85.5 68.0 30.8 37.5 9.34513 9-10
PHOTO CATA  PT LAT  LCN  RANGE  AZS/C  AZN  AZSUN  AZSUN
PHOTO CATA  PT LAT LCN RANGE AZS/C AZN AZSUN AZA A. B./A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2 -10.862 -19.87C 117.48365 -61.7 10.0 -d2.6 28.3 1.91859 0.802 -90.7 68.3 34.2 36.7 33.1 0. 1-2 3 -10.740 -20.045 113.89163 -62.8 9.4 -81.6 28.1 1.85795 0.802 -80.7 68.3 34.2 36.7 33.1 0. 1-2 3 -10.729 -19.741 118.82141 -65.3 10.3 -81.2 27.6 1.85795 0.802 -80.1 68.1 36.1 34.0 31.4 6.39073 2-3 4 5 -10.995 -19.682 121.62129 -60.7 10.6 -83.8 28.5 1.98463 0.773 -93.6 68.5 32.4 39.5 34.6 8.21836 4-5 6 -10.994 -19.996 116.45199 -58.0 9.7 -83.9 29.0 1.89932 0.810 -93.2 68.2 36.1 36.0 30.6 9.32894 5-6 7 -10.740 -20.045 113.89163 -62.8 9.4 -81.6 28.1 1.85795 0.83C -88.1 68.1 36.1 34.0 31.4 7.83262 6-7 8 -10.638 -20.206 110.88344 -63.8 8.8 -80.7 27.9 1.80359 0.857 -86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9 -10.624 -19.919 115.26151 -66.3 9.7 -80.3 27.4 1.87829 0.82C -85.1 68.2 36.3 35.1 33.5 8.56347 8-9 10.10.609 -19.605 120.50221 -68.4 10.6 -80.0 27.0 1.80623 0.782 -85.1 68.6 30.6 38.8 37.6 9.34513 9-10
2 -10.862 -19.87C 117.48365 -61.7 10.0 -82.6 28.3 1.91859 0.802 -90.7 68.3 34.2 34.7 33.1 0 1 1-2 3 -10.740 -20.045 113.89163 -62.8 9.4 -81.6 28.1 1.85795 0.83C -88.1 68.1 36.1 34.0 31.4 6.39073 2-3 4 -10.729 -19.741 118.82141 -65.3 10.3 -81.2 27.6 1.93799 0.793 -87.9 68.4 32.3 37.6 35.4 9.05139 3-4 5 -10.495 -19.682 121.62129 -60.7 10.6 -83.8 28.5 1.89802 0.773 -93.6 68.5 32.4 39.5 34.6 8.21836 4-5 6 -10.994 -19.996 116.45199 -58.0 9.7 -83.9 29.0 1.89802 0.81C -93.2 68.2 36.1 36.0 30.6 9.32894 5-6 7 -10.740 -20.045 113.89163 -62.8 9.4 -81.6 28.1 1.85795 0.83C -88.1 68.1 36.1 34.0 31.4 9.5 5.69218 7-8 9 -10.624 -19.919 115.26151 -66.3 9.7 -80.3 27.4 1.87829 0.85C -85.6 68.2 34.3 35.1 33.5 8.56347 8-9 10.10.609 -19.605 120.59221 -68.4 10.60.0 27.0 1.60603 0.782 -85.1 68.6 30.6 38.8 37.6 9.34513 9-10
0 - 10.740 - 20.045 13.69163 - 62.8 9.4 - 81.6 28.1 1.85795 0.830 - 88.1 68.1 36.1 36.0 30.6 9.32894 5-6 7 - 10.740 - 20.045 13.69163 - 62.8 9.4 - 81.6 28.1 1.85795 0.830 - 88.1 68.1 36.1 34.0 31.4 7.83262 6-7 8 - 10.638 - 20.206 110.88344 - 63.8 8.8 -80.7 27.9 1.80359 0.857 - 86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9-10.624 - 19.919 115.26151 - 66.3 9.7 - 80.3 27.4 1.80359 0.857 - 86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9-10.609 - 19.605 120.59281 - 68.4 10.6 -80.0 27.0 1.80603 0.782 - 85.1 68.6 30.6 38.8 37.6 9.34513 9-10
0 - 10.740 - 20.045 13.69163 - 62.8 9.4 - 81.6 28.1 1.85795 0.830 - 88.1 68.1 36.1 36.0 30.6 9.32894 5-6 7 - 10.740 - 20.045 13.69163 - 62.8 9.4 - 81.6 28.1 1.85795 0.830 - 88.1 68.1 36.1 34.0 31.4 7.83262 6-7 8 - 10.638 - 20.206 110.88344 - 63.8 8.8 -80.7 27.9 1.80359 0.857 - 86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9-10.624 - 19.919 115.26151 - 66.3 9.7 - 80.3 27.4 1.80359 0.857 - 86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9-10.609 - 19.605 120.59281 - 68.4 10.6 -80.0 27.0 1.80603 0.782 - 85.1 68.6 30.6 38.8 37.6 9.34513 9-10
0 - 10.740 - 20.045 13.69163 - 62.8 9.4 - 81.6 28.1 1.85795 0.830 - 88.1 68.1 36.1 36.0 30.6 9.32894 5-6 7 - 10.740 - 20.045 13.69163 - 62.8 9.4 - 81.6 28.1 1.85795 0.830 - 88.1 68.1 36.1 34.0 31.4 7.83262 6-7 8 - 10.638 - 20.206 110.88344 - 63.8 8.8 -80.7 27.9 1.80359 0.857 - 86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9-10.624 - 19.919 115.26151 - 66.3 9.7 - 80.3 27.4 1.80359 0.857 - 86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9-10.609 - 19.605 120.59281 - 68.4 10.6 -80.0 27.0 1.80603 0.782 - 85.1 68.6 30.6 38.8 37.6 9.34513 9-10
7 -10.740 -20.045 113.89163 -62.8 9.4 -81.6 28.1 1.85795 0.830 -88.1 68.1 36.1 34.0 31.4 7.83262 6-7 8-10.638 -20.206 110.88344 -63.8 8.8 -80.7 27.9 1.80359 0.857 -86.0 68.0 38.0 31.4 29.5 5.69218 7-8 9-10.624 -19.919 115.26151 -66.3 9.7 -80.3 27.4 1.87829 0.820 -85.6 68.2 34.3 35.1 33.5 8.56347 8-9 10-10.609 -19.605 120.59281 -68.4 10.6 -80.0 27.0 1.90003 0.782 -85.1 68.6 30.6 38.8 37.6 9.34513 9-10
10 -10-609 -19-605 720-59281 -68-4 10-6 -80-0 27-0 1-96003 0-782 -85-1 68-6 30-6 38-8 37-6 9-34513 9-10
10 -10-609 -19-605 720-59281 -68-4 10-6 -80-0 27-0 1-96003 0-782 -85-1 68-6 30-6 38-8 37-6 9-34513 9-10
10 -10-609 -19-605 720-59281 -68-4 10-6 -80-0 27-0 1-96003 0-782 -85-1 68-6 30-6 38-8 37-6 9-34513 9-10
11 -10.857 -19.547 123.04310 -64.1 10.9 -82.4 27.8 2.00488 C.764 -9C.7 68.6 30.4 40.3 37.2 7.71817 10-11 12 -11.142 -19.479 126.43146 -59.7 11.2 -85.0 28.7 2.05570 0.743 -96.9 68.7 30.7 42.3 35.9 8.87069 11-12
12 -11.142 -19.479 126.43146 -59.7 11.2 -85.0 28.7 2.05570 0.743 -96.9 68.7 30.7 42.3 35.9 8.87069 11-12 13 -11.135 -19.813 120.57481 -57.1 10.3 -85.1 29.2 1.96404 0.781 -96.2 68.4 34.4 38.8 32.0 9.94295 12-13
14 -11.12d -20.118 115.76632 -54.0 9.4 -85.2 23.7 1.88075 0.818 -95.7 68.1 38.1 35.4 28.0 9.06848 13-14
15 -10.867 -20.165 112.92010 -58.9 9.1 -82.8 28.8 1.83994 0.839 -90.6 68.0 37.9 33.2 29.1 8.03600 14-15
16 -10.638 -20.206 110.88344 -63.8 8.8 -80.7 27.9 1.80359 0.857 -86.0 68.0 38.0 31.4 29.5 7.02480 15-16
JULY 31,1964 13 HR 25 MIN 13 SEC 22 MS TAB NO 194 ATLAS PHOTO NO 194 POD SEQUENCE NO 391_
TRAJECTORY DATA SEC TO IMPACT ALT LAT LON R V PTH AZ
32.778 A3.6580 -10.090 -21.772 1819.112 2.565 -64.926 114.966
PT LAT LCN RANGE AZS/C AZN AZSUN AZA A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PI-PI 2 -10.834 -19.957 102.93615 -61.7 10.0 -82.6 28.3 1.681C2 0.803 -90.7 68.2 34.2 36.6 33.0 0. 1-2
2 -10.834 -19.957 102.93615 -61.7 10.0 -82.6 28.3 1.68102 0.803 -90.7 68.2 34.2 36.6 33.0 0. 1-2
3 -10.727 -20.110 99.79669 -62.8 9.4 -81.5 28.1 1.62802 0.831 -88.1 68.1 36.1 33.9 31.3 5.59518 2- 3
4 -10.718 -19.844 104.10252 -65.2 10.3 -81.2 27.7 1.69792 0.794 -87.9 68.3 32.3 37.5 35.3 7.92330 3-4 5 -10.950 `-19.793 106.54878 -60.7 10.6 -83.7 28.5 1.73815 0.774 -93.6 68.4 32.4 39.3 34.5 7.19786 4-5
6-10.950 -20.067 102.03537 -58.0 9.6 -83.9 29.0 1.66419 0.811 -93.2 68.1 36.1 35.9 30.6 8 14479 5- 4
7 -10-727 -20.110 99.79669 -62.8 9.4 -81.5 28.1 1.62862 0.831 -88.1 68.1 36.1 33.9 31.3 6.86154 6-7 8 -10-638 -20.251 97.16515 -63.6 8.8 -60.7 28.0 1.58046 0.857 -86.0 67.9 38.0 31.4 29.4 4.98554 7-8 9 -10-626 -19.999 100.99210 -66.3 9.7 -80.3 27.5 1.64576 0.821 -85.6 68.2 34.3 35.0 33.5 7.49892 8-9
8-10-638 -20-251 97-16515 -63-8 8-8 -80-7 28-0 1-58046 0-857 -86-0 67-9 38-0 31-4 29-4 4-98554 7-8
9 -10.626 -19.999 100.99210 -66.3 9.7 -80.3 27.5 1.64576 0.821 -85.6 68.2 34.3 35.0 33.5 7.49692 8-9
$10^{-10.015}$ $-19.672$ $109.69595$ $-66.5$ $10.6$ $-(9.9)$ $27.0$ $1.6[1/10]$ $0.784$ $-85.1$ $68.4$ $30.6$ $38.7$ $37.5$ $8.17773$ $9-10$ $11$ $-10.830$ $-19.674$ $107.78760$ $-66.1$ $10.9$ $-82.3$ $27$ $10.11$
12 -11.080 -19.615 110.74387 -59.7 11.2 -85.0 28.7 1.80063 0.745 -96.9 68.6 30.7 42.1 35.8 7.76597 11-12
13 -11.073 -19.907 105.63565 -57.1 10.3 -85.1 29.2 1.72070 0.782 -96.2 68.3 34.4 38.7 31.9 8.69703 12-13
14 -11.067 -20.174 101.43520 -54.1 9.3 -85.2 29.6 1.64793 0.819 -95.7 68.0 38.1 35.4 28.0 7.93873 13-14
7 - 10-10-613 - 19-725 105-64583 - 66.3 10.6 - 79-9 27.0 1.71710 0.784 - 85.1 68.2 34.3 35.0 35.5 7.49692 8-9 10 - 10-613 - 19-725 105-64583 - 66.3 10.6 - 79-9 27.0 1.71710 0.784 - 85.1 68.4 30.6 38.7 37.5 8.1773 9-10 11 - 10-830 - 19-615 110-78780 - 64.1 10.9 -82.3 27.8 1.75631 0.765 - 90.7 68.5 30.4 40.2 37.0 6.75987 10-11 12 - 11.083 - 19-615 110-73887 - 59-7 11.2 - 85.0 28.7 1.60633 0.745 - 96.9 68.6 30.7 42.1 35.8 7.76597 11-12 13 - 11.097 - 19-907 105-63565 - 57-1 10.3 - 85.1 29.2 1.72070 0.782 - 96.2 68.3 34.4 38.7 31.9 8.69703 12-13 14 - 11.067 - 20.174 101-4320 - 54.1 9.3 - 85.2 29.6 1.64793 0.819 - 95.7 68.0 38.1 35.4 28.0 7.93873 13-14 15 - 10.838 - 20.216 98.94799 - 58.9 9.0 - 62.8 28.8 1.61228 0.839 - 90.6 68.0 37.9 33.1 29.0 7.03909 14-15 16 - 10.638 - 20.255 97.161515 - 33.8 8.8 - 80.7 7.8 0.8 18.9 - 90.6 68.0 37.9 38.1 29.0 7.03909 14-15
16 -10.638 -20.251 97.16515 -03.8 8.8 -80.7 28.0 1.58046 0.857 -86.0 67.9 38.0 31.4 29.4 6.15513 15-16
JULY 31,1964 13 HR 25 MIN 18 SEC 142 MS TAB NO 195 ATLAS PHOTO NO 195 POD SEQUENCE NO 393
TRAJECTORY DATA SEC TO IMPACT ALT LAT LON R V PTH AZ
30.658 71.75166 -10.165 -21.610 1807.207 2.572 -64.821 114.936
PT LAT LON RANGE AZS/C AZN AZSUN AZA A+ B/A AZPHAZ INCU PHAZ EMIS ALPHA SCALE PT-PT
2 -10.806 -20.045 88.34191 -61.7 9.9 -82.6 28.3 1.44229 0.804 -90.7 68.1 34.2 36.5 32.9 0. 1-2
3 -10.714 -20.176 85.65449 -62.8 9.4 -81.5 28.2 1.39731 0.831 -88.1 68.0 36.1 33.9 31.3 4.79809 2-3 4-10.707 -19.948 89.33780 -65.2 10.2 -81.2 27.7 1.45711 0.795 -87.9 68.2 32.3 37.4 35.2 6.79347 3-4
PT LAT LON RANGE AZS/C AZN AZSUN AZA A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2-10.806 -20.045 88.34191 -61.7 9.9 -82.6 28.3 1.44269 0.804 -90.7 68.1 34.9 36.5 32.9 0. 1-2 2 3 -10.714 -20.176 85.65449 -62.8 9.4 -81.5 28.2 1.39731 0.831 -88.1 68.0 36.1 33.9 31.3 4.79809 2-3 4.10.707 -19.904 89.33780 -65.2 10.2 -81.2 27.7 1.45711 0.795 -87.9 68.2 32.3 37.4 35.2 6.79347 3-4 5-10.906 -19.904 91.43122 -60.7 10.5 -83.7 28.5 1.49123 0.775 -93.6 68.3 32.4 39.2 34.4 6.17487 4-5 6-10.905 -20.139 87.57170 -58.0 9.6 -83.9 29.0 1.4229 0.812 -93.2 68.1 36.1 35.8 30.5 6.9924 5-6 7-10.714 -20.176 85.65449 -62.8 9.4 -81.5 28.2 1.39731 0.831 -88.1 68.0 36.1 33.9 31.3 5.88764 6-7 8 10.638 -20.297 83.39983 -63.7 8.8 -80.7 28.0 1.35656 0.657 -86.0 67.9 38.0 31.3 29.4 4.27706 7-8 9-10.628 -20.081 86.67607 -66.2 9.7 -80.3 27.6 1.47247 0.821 -85.6 68.1 34.3 34.9 33.4 6.43195 8-9 10 -10.616 -19.846 90.65459 -68.3 10.6 -79.9 27.1 1.47345 0.785 -85.1 66.3 30.6 38.6 37.4 7.0028 9-10 12 -11.017 -19.752 95.01453 -59.7 11.1 -85.0 28.7 1.54628 0.747 -96.9 68.4 30.7 42.0 35.6 5.6593 1-21 12 -11.017 -19.752 95.01453 -59.7 11.1 -85.0 28.7 1.54628 0.747 -96.9 68.2 34.4 36.6 31.8 7.45107 12-13
6 -10.905 -20.139 87.57170 -58.0 9.6 -83.9 29.0 1.42829 0.812 -93.2 68.1 36.1 35.8 30.5 6.99924 5- 6
7 -10.714 -20.176 85.65449 -62.8 9.4 -81.5 28.2 1.39731 0.831 -88.1 68.0 36.1 33.9 31.3 5.88764 6-7
8 -10.638 -20.297 83.39983 -63.7 8.8 -80.7 28.0 1.35656 C.857 -86.0 67.9 38.0 31.3 29.4 4.27706 7- 8 9 -10.628 -20.081 86.67607 -66.2 9.7 -80.3 27.6 1.41247 0.821 -85.6 68.1 34.3 34.9 33.4 6.43195 8- 9
V -10-026 -20-081 86-6/607 -66-2 9-7 -80-3 27-6 1-41247 0.821 -85-6 68-1 34-3 34-9 33-4 6-43195 8-9 10-10-616 -19-846 90-65-99-68-3 10-6 -79-9 27-1 1-47345 0.785 -85-1 66-3 30-6 38-6 37-4 7.00928 9-10
11 -10.803 -19.803 92.48824 -64.0 10.8 -82.3 27.9 1.50702 0.767 -90.7 68.4 30.4 40.1 36.9 5.79918 10-11
11 -10.803 -19.803 92.48824 -64.0 10.8 -62.3 27.9 1.50702 0.767 -90.7 68.4 30.4 40.1 36.9 5.79918 10-11 12 -11.017 -19.752 95.01453 -59.7 11.1 -85.0 28.7 1.54488 0.747 -96.9 68.4 30.7 42.0 35.6 6.65936 11-12
14 -11.006 -70.231 87.05730 -54.1 9.3 -85.2 29.6 1.41435 C.820 -95.7 68.0 38.1 35.3 27.9 6.80712 13-14 15 -10.810 -20.267 84.92844 -58.9 9.0 -82.8 28.8 1.38384 C.84C -9C.6 67.9 37.9 33.1 29.0 6.03937 14-15
10-10-638 -20-207 83.39983 -63.7 8.8 -80.7 28.0 1.35656 0.857 -86.0 67.9 38.0 31.3 29.4 5.28265 15-16

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JULY 31,1964 13 HR	25 MIN 23 SEC 262	MS	TAB NO	196	ATLAS PHOTO NO	196 POD	SEQUENCE NO 395
TRAJECTORY DATA			SEC TO IMPACT 25.538	ALT 59.82446	LAT LCN: -10.240 -21.445	R V 1795.280 2.57	PTH AZ 9 -64.714 114.905
PHOTG DATA							
	RANGE AZS/C	AZN	AZSUN AZA	Α.		PHAZ EMIS ALPHA	
2 -10.778 -20.133	73.70250 -61.6	9.9	-82.6 26.4			34.2 36.4 32.9	
3 -10.701 -20.243	71.46629 -62.7	9.3	-81.5 28.2	1.16586		36.1 33.8 31.2	
4 -10.695 -20.053 5 -10.861 -20.016	74.52907 -65.1	10.2	-81.2 27.8 -83.7 28.5	1.21558		32.3 37.3 35.1	
6 -10.861 -20.016	76.27051 -60.7 73.06235 -58.0		-83.7 28.5 -83.9 28.9	1.24421		36.1 35.7 30.4	
7 -10.701 -20.243	71.46629 -62.7	9.6	-81.5 28.2	1.19164		36.1 33.8 31.2	
8 -10.638 -20.344	69.58848 -63.7	8.8	-80.6 28.1	1.13190		38.0 31.3 29.4	
9 -10.629 -20.164	72.31494 -66.2	9.7	-80.3 27.6	1.17844		34.3 34.8 33.	
10 -10.619 -19.968	75.62110 -60.2	10.5	-79.9 27.2	1.22911		30.6 38.5 37.2	
11 -10.775 -19.932	77.14719 -64.0	10.8	-62.3 27.9	1.25705			
12 -10.953 -19.890	79.24577 -59.7	11.1	-84.9 28.7	1.28849			
13 -10.949 -20.098	75.62240 -57.1	10.2	-85.1 29.1	1.23182			
14 -10.945 -20.289	72.63378 -54.1	9.3	-85.2 29.6	1.18003		38.1 35.2 27.9	5.67398 13-14
15 -10.781 -20.318	70.86252 -58.9	9.0	-82.8 28.8	1.15465		37.9 33.0 28.9	5.03728 14-15
16 -10.638 -20.344	64.58848 -63.7	8.8	-80.6 28.1	1.13190		38.0 31.3 29.4	4.40738 15-16
JULY 31,1964 13 hR	25 MIN 28 SEC 381	MS	TAB NO	197	ATLAS PHOTO NO	197 POD	SEQUENCE NO 397
TRAJECTORY DATA			SEC TO IMPACT 20.416	ALT 47-8751	LAT LCN 8 -10.316 -21.278	k V 1783.330 2.5	PTH AZ 36 -64.606 114.874
PHOTO DATA		AZN	AZ SUN AZ A	Α.	B/A AZPHAZ INCE	OUAT INIC ALDU	SCALE PT-PT
PT LAT LCN 2 -10.749 -20.223	RANGE A/S/C 59.01803 -61.6	9.9	-62.5 26.4		0.805 -90.7 68.0		
3 -10.688 -20.310	57.23212 -62.7	9.3	-81.5 28.2	0.93365		36.1 33.7 31.	
4 -10.682 -20.158		10.2	-R1.1 27.8	0.97333		32.3 37.2 35.0	
5 -10.815 -20.129	61.06684 -60.6	10.5	-83.7 28.5	0.99619		32.4 39.0 34.	
6 -10.815 -20.286	58.50739 -58.0	2.6	-83.9 28.9	C.95425			
7 -10.688 -20.310	57.23212 -62.7	9.3	-81.5 28.2	_ 0.93365	0.832 -88.0 67.9	36.1 33.7 31.	
8 -10.637 -20.391	55.73107 -63.7	8.8	-80.6 28.1	0.90650	C.858 -86.0 67.8	38.0 31.3 29.	3 2.85508 7-8
9 -10.630 -20.247	57.90874 -66.1	9.7	-80.2 27.7	0.94368	0.823 -85.6 67.9	9 34.3 34.8 33	2 4.29183 8- 9
10 -10.622 -20.090	60.54560 -08.1	10.5	-79.8 27.3	0.98409		1 30.6 38.4 37.	
11 -10.747 -20.062	61.76472 -64.0	10.8	-92.2 28.0	1.00641		1 30.4 39.8 36.	
12 -10.889 -20.028	63.43788 -59.7	11.0	-84.9 26.7	1.03146		2 30.7 41.7 35.	
13 -10.886 -20.195	60.55017 -57.1	10.1	-85.1 29.1	0.98631		34.4 38.4 31.	
14 -10.881 -20.348	58.16468 -54.2	9.2	-85.2 29.5	C.94496		9 38.1 35.1 27.	
15 -10.752 -20.371	56.75024 -58.9	9.0	-82.8 2E.8	0.42470			
16 -10.637 -20.391	55.7310/ -63.7	8.8	-80.6 28.1	C.90650	C.856 -8c.O 67.0	H 38.C 31.3 29.	3 3.52944 15-16
JULY 31,1964 13 HR	25 MIN 33 SEC 501	MS.	TAB NO	198	ATLAS PHOTO NO		SEQUENCE NO 399
							PTH A7
TRAJECTORY DATA			SEC TO IMPACT 15.298		1 -10.394 -21.109	к V 1771.359 2.5	PTH AZ 93 -64.496 114.842
PT LAT LON	RANGE AZSZC	AZN	AZSUN AZA	A *	B/A AZPHAZ INCI	C PHAZ EMIS ALPH	A SCALE PT-PT
2 -10.720 -20.313	44.28875 -61.6	9.9	-82.5 28.4	0.12327	U.80£ -9C.7 67.	9 34.2 36.3 32.	7 0. 1-2
3 -10.674 -20.179	42.95204 -62.7	9.3	-81.5 28.3	C.70Ce9		8 36.1 33.7 31.	0 2.39972 2-3
4 -10.570 -20.265	44.78002 -65.0	10.2		0.73037	0.798 -87.9 67.	9 32.3 37.1 34.	9 3.39582 3-4
5 -10.770 -20.243	45.82065 -60.6	10.4	-83.6 28.6	C.74748		9 32.4 38.9 34.	
6 -10.770 -20.361	43.90727 -58.0	9.5		C.71613		8 36.1 35.6 30.	
7 -10.674 -20.379	42.95204 -62.7	9.3	-H1.5 2t.3	0.70069		8 36.1 33.7 31.	
£ -10.636 -20.439	41.82756 -63.6	8.4		0.68035		7 38.0 31.2 29.	
9 -10.630 -20.331	43.45/36 -56.0	9.1	-HO.2 27.8	C.70818			
10 -10.624 -20.214	45.42822 -68.1	10.5		C.73838		0 30.6 38.2 37.	
11 -10.718 -20.192	46.34097 -63.9	10.7		0.75509		0 30.4 39.7 36.	
12 -10.825 -30.168	47.59148 -59.7	11.0		0.77361		0 30.7 41.5 35.	
13 -10.823 -29.292	45.43494 -57.1	10.1	-85.1 29.1	C.74010		9 34.4 38.3 31.	
14 -10.820 -20.407	43.6507254.2.	9.2		C.70917			83.40334.13-14
15 -10.722 -20.424	42.59187 -58.9	9.0				8 37.9 32.9 28.	
16 -10.636 -20.439	41.92756 -63.6	8.8	-80.6 2b.2	0.68035	0.859 -86.0 67.	7 38.0 31.2 29.	3 2.64867 15-16

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ULY 31,1964 13 HR	25 MIN 38	SEC 621	۳S	TA	AB NO	199	ATL	AS PHOTO	O NO	199		PÓD Ś	EQUENCE N	10 40
TRAJECTURY DATA				SEC TO IN		AL T 23.91034	LA1		CN •937	175	R 59.366	V 2-600	PTH -64.386 1	AŽ
PHOTC JATA									• , , ,	• • •		2.000	01.300 1	14.00
T LAT LON	RANGE	AZS/C	87 N	AZSUN	AZA	Δ.	B/A	AZPHAZ	TNCD	DHA7	EMIS"	AL DHA	SC:LE	PT-PI
2 -10.690 -20.404	29.51313	-61.6	9.9		28.4	C.48197		-90.7		34.2		32.6	0.	1-
3 -10.650 -20.448	28.62474	-62.6	9.3		26.3	0.46697		-86.0		36.1		31.0	1.59791	
4 -10.657 -20.372	29.83859	-65.0	10.2		28.0	0.48667		-87.8		32.3		34.8	2.26062	
5 -10.724 -20.358	30.53023	-60.6	10.4		8.6	C.498C5		-93.5		32.4		34.0	2.05963	
6 -10.723 -20.436	29.26009	-58.0	9.5		28.9	0.47723		-93.2			35.5		2.32748	
7 -10.660 -20.448	28.62474	-62.6	9.3		28.3	0.46697		-88.0		36.1		31.0	1.96575	
8 -10.634 -20.488	27.87671	-63.5	8.8		26.2	C.45343		-86.0		38.0		29.2	1.42654	
9 -10.631 -20.416	28.95762	-66.0	9.7		27.9	C.47193		-85.6		34.3		33.0	2.14349	
0 -10.627 -20.336	30.26775	-68.0	10.5		27.5	0.49196		-85.1		30.6		36.9	2.32930	
1 -10.689 -20.324	30.87470	-63.9	10.7		28.1	C.503C8		-90.7		30.4		36.4	1.93447	
2 -10.760 -20.307	31.70462	-59.6	10.9		28.7	0.51550		-96.9			41.4		2.21755	
3 -10.759 -20.391	30.27456	-57.1	10.0		29.1	C-49315		-96.2			38.1		2.47187	
4 -10.757 -20.467	29.08956	-54.2	9.2		29.4	0.47260		-95.7				27.7	2.26581	
5 -10.692 -20.478	28.38571	-58.8	9.0		28.8	C-46252		-90.6			32.9		2.01558	
6 -10.634 -20.488									01.	,,,,		20.0	2.01330	
	27.87671	-63.5	8.8		28.2 IB NO	C-45343 <b>200</b>		-86.0 AS PHOTO	67.7 NO	38.0 <b>200</b>	31.2	29.2 POD S	1.76510 EQUENCE N	
ULY 31,1964 13 HR	_			TA Sec To In	B NO	200 ALT	<b>ATL</b>	AS PHOTO	<b>NO</b>	200	ĸ	POD S	EQUENCE N	O 40
ULY 31,1964 13 HR TRAJECTORY DATA	_			TA	B NO	200	<b>ATL</b>	AS PHOTO	NO NO	200	ĸ	POD S	EQUENCE N	O 40
ULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	25 MIN 43	SEC 741	ws	TA SEC TO IN 5.05	PACT	200 ALT 11.89372	ATL	AS PHOTO	NO NO	200 174	к 47.349	POD S	PTH -64.273 1	0 40
ULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA T LAT LON	25 MIN 43	SEC 741	WS AZN	TA SEC TO IN 5.05	PACT	200 ALT 11.89377	ATL/ 2 -10.5	AS PHOTO  I L  551 -20	NO NO CN .763	200 174	R 47.349 LMIS	POD S	PTH -64.273 1	O 44
ULY 31,1964 13 HR TRAJECTORY DATA PHOTE DATA T LAT LON 2 -10.660 -20.496	25 MIN 43  RANGE 14.69023	SEC 741	MS AZN 9.8	TA SEC TO IN 5.05 AZSUN -82.5	PACT	ALT 11.89377 A* C.23990	LATE -10.9	AS PHOTO  1 L 551 -20  AZPHAZ -90.7	NO CN .763	200 174 34.2	R 47.349 LMIS 36.1	POD S	PTH -64.273 1	AZ 14.7
ULY 31,1964 13 HR TRAJECTORY DATA PHOTE DATA T LAT LON 2 -10.660 -20.496 3 -10.645 -20.518	RANGE 14-69023 14-24-22	AZS/U-01.5	MS AZN 9.8 9.3	TA  SEC TO IN  5.05  AZSUN  -82.5  -81.4	*PACT 58 AZA 28.5	ALT 11.89377 A* C.23990 C.23245	ATLA 2 -10.9 8/A 0.808 0.834	AS PHOTO  1 L 551 -20  AZPHAZ -90.7 -88.0	NO NO CN .763	200 174 34.2 36.1	R 47.349 LMIS 36.1 33.5	POD S	PTH -64.273 1 CCALF 0. 0.79467	AZ 14.7 PT-1 1- 2-
ULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA T LAT LON 2 -10.660 -20.496 3 -10.644 -20.518	RANGE 14.69023 14.2422 14.85127	AZS/U-01.5-02.6-64.9	AZN 9.8 9.3	TA SEC TG IN 5.05 AZSUN -82.5 -81.4 -61.1	AZA 28.5 28.4 28.0	ALT 11.89377 A* C.23990 C.23245 C.24223	ATL/ 2 -10.5 8/A 0.808 0.834 0.80C	AS PHOTO 1 L 551 -20 AZPHAZ -90.7 -88.0 -87.8	O NO  CN .763  11900 67.1 67.7 67.7	174 34.2 36.1 32.3	R 47.349 LMIS 36.1 33.5 36.9	POD S V 2.608 *LDUA 32.5 30.9 34.7	PTH -64.273 1 SCALE 0. 0.79467 1.12409	AZ 14.7 PT- 1- 2- 3-
ULY 31,1964 13 HR TRAJECTORY DATA PHOTE DATA T LAT LON 2 -10.660 -20.496 3 -10.645 -20.486 4 -10.644 -20.486 5 -10.677 -20.473	RANGE 14.69023 14.24322 14.85127 15.19463	AZS/C -61.5 -62.6 -64.9 -60.6	AZN 9.8 9.3 10.2 10.4	TA  SEC TG IN  5.05  AZSUN  -82.5  -81.4  -61.1  -83.6	PACT 58 AZA 28.5 28.4 28.0 28.6	ALT 11.89377 A* C.23940 C.23245 C.2423 C.24787	B/A 0.808 0.834 0.80C 0.782	AS PHOTO I L 551 -20 AZPHAZ -90.7 -88.0 -87.8 -93.5	O NO  CN .763  1000 67.1 67.7 67.7	200 174 34.2 36.1 32.3 32.4	R 47.349 LMIS 36.1 33.5 36.9 38.6	POD S V 2.608 *LDUA 32.5 30.9 34.7 33.8	PTH -64.273 1 SCALE 0. 0.79467 1.12409 1.02484	O 40 AZ 14.7
ULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA T LAT LON 2 -10.660 -20.496 3 -10.644 -20.486 5 -10.677 -20.473 6 -10.677 -20.518	RANGE 14.69023 14.24322 14.85127 15.19463 14.56486	AZS/U-01.5 -02.6 -04.9 -00.6 -50.0	MS AZN 9.8 9.3 10.2 10.4 9.5	TA SEC TO IN 5.05 AZSUN -82.5 -81.4 -51.1 -83.6 -83.6 -83.6	AZA 28.5 28.4 28.6 28.6 24.9	ALT 11.89377 A* C.23990 C.23245 C.24223 C.24787 C.23755	B/A 0.808 0.808 0.834 0.80C 0.782 0.816	AS PHOTO I L 551 -20 AZPHAZ -90.7 -88.0 -87.8 -93.5 -93.2	CN .763	200 174 34.2 36.1 32.3 32.4 36.1	R 47.349 18.1 36.1 33.5 36.9 38.6 35.4	POD S V 2.608 *LDUA 32.5 30.9 34.7 33.8 30.1	PTH -64.273 1 CCALF 0. 0.79467 1.12409 1.02484 1.15713	O 40 AZ 14.7 PT-1 2- 3- 4- 5-
ULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA T LAT LON 2 -10.660 -20.496 3 -10.645 -20.518 4 -10.647 -20.486 6 -10.677 -20.473 6 -10.677 -20.512 7 -10.665 -20.518	RANGE 14.69023 14.24322 14.55127 15.19463 14.56486 14.24922	AZS/C -01.5 -02.6 -64.9 -50.0 -55.0	AZN 9.8 9.3 10.2 10.4 9.5 9.3	AZSUN -82.5 -81.4 -61.1 -83.6 -81.8 -61.4	AZA 28.5 28.4 28.6 24.9 24.4	ALT 11.89377 A+ C.23990 C.23245 C.24223 C.24787 C.23755 C.23245	ATL/ 2 -10.5 8/A 0.808 0.808 0.800 0.782 0.782 0.816 0.834	AS PHOTO 1 L 551 -20 AZPHAZ -90.7 -88.0 -87.8 -93.5 -93.2 -88.0	NO CN .763 1MCU 67.1 67.7 67.7 67.7	200 174 34.2 36.1 32.3 32.4 36.1 36.1	R +7.349 56.1 33.5 36.9 36.9 36.4 33.5	POD S V 2.608 *LDUA 32.5 30.9 34.7 33.8 30.1 30.9	PTH -64.273 1  CTALE 0. 0.79467 1.12409 1.02484 1.15713 0.97828	AZ 14.7 PT- 1- 2- 3- 4- 5- 6-
ULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA  7 LAT LON 2 -10.660 -20.496 3 -10.645 -20.518 4 -10.647 -20.480 5 -10.677 -20.473 6 -10.677 -20.512 7 -10.645 -20.518 8 -10.632 -20.538	RANGE 14.69023 14.24922 14.55127 15.19463 14.56486 14.24922 13.87755	AZS/U-01.5 -62.6 -64.9 -60.6 -56.0 -62.6 -63.5	AZN 9.8 9.3 10.2 10.4 9.5 9.3 8.8	TA  SEC TO IN  5.05  AZSUN  -82.5 -81.4 -51.1 -83.6 -83.6 -81.4 -50.6	AZA 28.5 28.4 28.0 28.6 28.4 28.6 28.6 28.4	ALT 11.89377 A* C.23990 C.23245 C.24223 C.24787 C.23755 C.23245 C.22573	ATL/ LAN 2 -10.5 B/A 0.808 C.834 0.80C C.782 C.816 C.834 0.859	AS PHOTO I L 551 -20 AZPHAZ -90.7 -88.0 -93.5 -93.2 -88.0 -86.0	NO CN .763 1MCU 67.1 67.7 67.7 67.7 67.7	200 174 34.2 36.1 32.3 36.1 36.1 38.0	R +7.349 56.1 33.5 36.9 38.6 33.5 31.1	POD S  V 2.608  1.00A 32.5 30.9 34.7 33.8 30.1 30.9 29.2	PIH -64.273 1 CCALF 0. 0.79467 1.12409 1.02484 1.15713 0.97828	AZ 14.7 PT-1 1- 2- 3- 4- 5- 6-
ULY 31,1964 13 HR TRAJECTORY DATA  PHOTE DATA  1 LAT LON 2 -10.660 -20.496 3 -10.645 -20.518 4 -10.677 -20.473 6 -10.677 -20.512 8 -10.632 -20.538 8 -10.631 -20.530	RANGE 14.69023 14.24722 14.55127 15.19463 14.52482 13.87755 14.1518	AZS/U-01.5 -02.6 -64.9 -60.6 -50.0 -63.5 -65.9	AZN 9.8 9.3 10.2 10.4 9.5 9.3 8.8 9.7	TA SEC TO IN 5.05  AZSUN -82.5 -81.4 -81.1 -83.6 -83.6 -81.4 -40.6 -80.2	AZA 28.5 28.4 28.0 28.6 28.6 28.6 28.7 27.9	ALT 11.89377 A. C.23245 C.24223 C.24787 C.23755 C.23245 C.22573 C.23491	ATL/ LAN 2 -1C.: 8/A 0.808 C.834 C.854 C.854 C.854 C.856 C.825	AS PHOTO 1 L 551 -20 AZPHAZ -90.7 -88.0 -83.5 -93.2 -88.0 -85.6	CN .763 LINCU 67.1 67.7 67.7 67.7 67.7 67.7 67.67.7 67.67.7 67.67.7 67.67.7 67.67.7	174 34.2 36.1 32.3 32.4 36.1 36.1 38.0 34.3	R +7.349 56.1 33.5 36.9 38.6 35.5 31.1 34.5	POD S  V 2.608  2.608  2.608  2.608  32.5 30.9 34.7 33.8 30.1 30.9 29.2 33.0	PTH -64.273 1 CCALF 0. 0.79467 1.12409 1.02484 1.15713 0.97828 0.70979 1.06623	AZ 14.7 PT-1 1- 2- 3- 4- 5- 6- 7- 8-
ULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  1 LAT LON 2 -10.660 -20.496 3 -10.645 -20.518 4 -10.644 -20.486 6 -10.677 -20.473 6 -10.677 -20.473 6 -10.645 -20.512 7 -10.645 -20.538 9 -10.631 -20.538 9 -10.631 -20.502	RANGE 14.69023 14.24722 14.65127 15.19463 14.56486 14.26422 13.87755 14.41518	AZS/C -01.5 -02.6 -64.9 -60.6 -50.0 -62.6 -03.9 -67.9	AZN 9.8 9.3 10.2 10.4 9.5 9.3 8.8 9.7	TA SEC TO IN 5.00  AZSUN -82.5 -81.4 -83.6 -83.6 -81.4 -60.6 -80.2 -79.7	AZA 28.5 28.4 28.6 24.9 22.4 28.6 27.9 27.6	ALT 11.89373 A. C.23990 C.24223 C.24787 C.23755 C.23245 C.23245 C.23245 C.23245 C.23491 C.24484	ATL/ LAN 2 -10.5 8/A 0.808 0.806 0.806 0.782 0.816 0.859 0.825 0.791	AS PHOTO 1 L 551 -20 AZPHAZ -90.7 -88.0 -87.8 -93.5 -93.2 -88.0 -86.0 -85.1	CN .763 1100 67.7 67.7 67.7 67.7 67.7 67.7 67.7	200 174 34.2 36.1 32.3 32.4 36.1 36.1 38.0 34.3 30.6	R 47.349 36.1 33.5 36.9 38.6 35.4 33.5 31.1 34.5 38.0	POD S  V 2.608	PIH -64.273 1 **CALE** 0. 0.79467 1.12409 1.02484 1.15713 0.97828 0.70979 1.06623 1.15785	AZ 14.7 PT-1 1- 2- 3- 4- 5- 6- 7- 8- 9-
ULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA 1 LAT LON 2 -10.660 -20.496 3 -10.645 -20.518 4 -10.644 -20.480 5 -10.677 -20.471 7 -10.677 -20.472 8 -10.632 -20.518 8 -10.631 -20.502 0 -10.529 -20.466 1 -10.660 -20.456	RANGE 14.69023 14.2422 14.55127 15.19463 14.56486 14.24922 13.87755 14.41518 15.06359	AZS/U -01.5 -02.6 -64.9 -00.6 -55.0 -62.6 -03.5 -65.9 -67.9	AZN 9.8 9.3 10.2 10.4 9.5 9.3 8.8 9.7 10.5 10.7	AZSUN -82.5 -81.1 -83.6 -81.4 -40.6 -80.2 -79.7 -82.1	AZA 28.5 28.6 28.6 28.9 26.4 27.9 27.6 28.2	ALT 11.89373 A.C.23940 C.23245 C.24787 C.23755 C.23245 C.22573 C.23491 C.24484 C.25C36	LAIL 2 -10.5 8/A 0.808 0.834 0.806 6.782 0.816 0.856 0.825 0.774	AS PHOTO I L 551 -20 ALPHAL -90.7 -88.0 -93.5 -93.2 -86.0 -85.6 -85.1 -90.7	CN .763 119CD 67.7 67.7 67.7 67.7 67.7 67.7 67.7	200 174 34.2 36.1 32.3 32.4 36.1 38.0 34.3 30.6 30.4	R +7.349 536.1 33.5 36.9 38.6 33.5 31.1 34.5 38.0 39.4	POD S V 2.608 *LDLA 32.5 30.9 34.7 33.8 30.1 30.9 29.2 33.0 36.7 36.2	PTH -64.273 1  CCALE 0.79467 1.12409 1.02484 1.15713 0.70979 1.06623 1.15785 0.96248	AZ 14.7 PT-1-2-3-4-5-6-78-9-10-
ULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA  1 LAT LON 2 -10.660 -20.496 3 -10.645 -20.496 4 -10.644 -20.496 6 -10.677 -20.473 6 -10.677 -20.512 8 -10.631 -20.512 8 -10.631 -20.502 0 -10.629 -20.464 1 -10.669 -20.466	RANGE 14.69023 14.24722 15.1943 14.56486 14.56486 14.24922 13.87755 14.41518 15.66350 15.36494	AZS/L -01.5 -02.6 -04.9 -00.6 -05.0 -62.6 -03.5 -67.9 -63.8 -59.6	MS 9.8 9.3 10.2 10.4 9.5 9.3 8.8 9.7 10.5 10.5	AZ SUN -82.5 -81.4 -83.6 -83.6 -81.4 -80.6 -87.7 -82.1 -80.2 -79.7 -82.1 -84.8	AZA 28.5 28.4 28.6 28.6 28.6 28.9 27.9 27.9 27.9 27.9 27.9 27.6	ALT 11.89377 A• C.23990 C.24223 C.24787 C.23245 C.22573 C.22573 C.24846 C.25636 C.256552	B/A 0.808 C.834 U.80C C.782 C.814 C.854 C.854 C.825 O.791 C.774 C.775	AS PHOTO  I L 551 -20  A L/HA L -90.7 -88.0 -87.8 -93.2 -88.0 -86.0 -85.6 -85.1 -90.7 -96.8	CN .763 LINCU 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7	200 174 34.2 36.1 32.3 36.1 36.1 38.0 34.3 30.4 30.4	R +7.349 130.1 33.5 36.9 38.6 35.5 31.1 34.5 38.0 441.2	POD S  V 2.608  1.00A 32.5 30.9 34.7 33.8 30.1 30.9 29.2 33.0 36.7 36.2 34.9	PTH -64.273 1 CCALF 0. 0.79467 1.12409 1.02484 1.15713 0.797828 0.70979 1.06623 1.15785 0.96248 1.10298	AZ 14.7 PT-1-2-3-4-5-6-7-8-10-11-
ULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA 1 LAT LON 2 -10.660 -20.496 3 -10.645 -20.518 4 -10.644 -20.480 5 -10.677 -20.473 6 -10.677 -20.518 8 -10.632 -20.518 9 -10.631 -20.538 9 -10.631 -20.502 0 -10.629 -20.466 2 -10.695 -20.456 2 -10.695 -20.456 3 -10.695 -20.456	#ANGE 14.69023 14.24.922 14.55127 15.19463 14.52466 14.24.922 13.8775 14.1518 15.06350 15.36494 15.77637 15.06495	AZ5/L -01.5 -02.6 -64.9 -00.6 -5b.0 -62.6 -03.5 -65.9 -67.9 -63.8 -57.9	AZN 9.8 9.3 10.2 10.4 9.5 9.3 8.8 9.7 10.5 10.7 10.9	AZ SUN -8 2.5 -81.4 -51.1 -83.6 -83.6 -81.4 -40.6 -80.2 -79.7 -82.1 -44.8 -85.0	AZA 28.5 28.6 28.6 28.6 28.6 28.6 27.9 27.6 28.2 27.6 28.2	ALT 11.89377 A. C.23990 C.23245 C.24223 C.24723 C.23755 C.22573 C.22573 C.22573 C.2484 C.25636 C.25652 C.24545	ATL/ E/A 0.808 0.808 0.806 0.856 0.856 0.856 0.825 0.791 0.774 0.775 0.789	AS PHOTO  I LC  551 -2C  ALPHAL -90.7 -88.0 -87.8 -93.5 -93.2 -88.0 -85.6 -85.6 -85.6 -96.8 -96.8	CN .763 LINCU 67.17 67.7 67.7 67.7 67.7 67.7 67.7 67.7	200 174 36-1 32-3 32-4 36-1 38-0 34-3 30-6 30-7 34-4	K +7.349 36.1 33.5 36.6 35.4 33.5 31.1 38.0 39.4 41.2	POD S  V 2.608	PIH -64.273 1 0.79467 1.12409 1.02484 1.15713 0.70979 1.06623 1.15785 0.96248 1.10298	AZ 14.7 PT-1 1- 2- 3- 4- 5- 6- 10- 11- 12-
PHOTE DATA  PHOTE DATA  T LAT  2 -10.660 -20.496 3 -10.645 -20.496 4 -10.644 -20.496 6 -10.677 -20.473 6 -10.677 -20.512 8 -10.631 -20.518 8 -10.631 -20.502 0 -10.629 -20.464 1 -10.669 -20.464	RANGE 14.69023 14.24722 15.1943 14.56486 14.56486 14.24922 13.87755 14.41518 15.66350 15.36494	AZS/L -01.5 -02.6 -04.9 -00.6 -05.0 -62.6 -03.5 -67.9 -63.8 -59.6	MS 9.8 9.3 10.2 10.4 9.5 9.3 8.8 9.7 10.5 10.5	TA SEC TO IN 5.05 A/SUN -82.5 -81.4 -51.1 -83.6 -83.5 -81.4 -40.6 -79.7 -82.1 -44.8 -85.0 -65.2	AZA 28.5 28.4 28.6 28.6 28.6 28.9 27.9 27.9 27.9 27.9 27.9 27.6	ALT 11.89377 A• C.23990 C.24223 C.24787 C.23245 C.22573 C.22573 C.24846 C.25636 C.256552	ATLA LA1 2 -1C. !  8/A 0.808 0.808 0.80C 0.782 0.816 0.859 0.825 0.791 0.774 0.755 0.782	AS PHOTO  A L PHA A	CN .763 LINCU 67.17 67.7 67.7 67.7 67.7 67.7 67.7 67.7	200 174 34.2 36.1 32.3 36.1 36.1 38.0 30.4 30.4 30.7 34.4 38.1	K +7.349 136.1 33.5 36.6 35.4 33.5 31.1 38.0 39.4 41.2 38.9	POD S  V 2.608  1.00A 32.5 30.9 34.7 33.8 30.1 30.9 29.2 33.0 36.7 36.2 34.9	PTH -64.273 1 CCALF 0. 0.79467 1.12409 1.02484 1.15713 0.797828 0.70979 1.06623 1.15785 0.96248 1.10298	AZ 14.71 PT-11

## TIME- AND CAMERA-DEPENDENT PARAMETERS

		TAB NO	1	ATLAS PHOTO NO	1	POD SEQUENCE NO 17
JULY 31,1964 13 HR 12 MIN 20 SE						
TRAJECTORY DATA			1701.69440	LAT LGN -4.104 -34.169	R 3437.150	V PTH AZ 2.010 -73.546 116.824
PHOTO DATA	15.15			0.74 AZDUAZ INCO	D	LPHA SCALE PT-PT
PHOTO DATA PT LAT LON RANGE A 2-13.719 -18.953 1862.42825 - 3-13.151 -20.447 1837.09035 - 4-12.970 -17.729 1874.1339 -	25/L AZN	-80-4 39.0	17.89920	B/A AZPHAZ INCD 0.825 -89.2 69.4	39.7 34.4	28.3 0. 1-2
3 -13.151 -20.447 1837.09035 -	50.0 11.5	-79.9 39.6	17.65154	0.851 -88.5 67.9	40.8 31.7	25.u 47.27017 2-3
					38.6 35.6	
5 -14.350 -17.370 1891.56551 - 6 -14.454 -20.153 1852.82373	51.7 13.5 47.0 12.3	-81.0 38.6 -80.1 41.4	18.17486		38.5 37.3 40.7 33.4	30.9 43.11994 4- 5 25.8 <u>81.72596</u> 5- 6
7 -13.151 -20.447 1837.09035 -	50.0 11.5	-79.9 39.6	17.65154	0.851 -88.5 67.9	40.8 31.7	25.A 40.41575 6- 7
			_		_	POD SEQUENCE NO 43
JULY 31,1964 13 HR 12 MIN 42 SE	C 219 MS	TAB NO	2	ATLAS PHOTO NO	2	POD SEQUENCE NO 43
TRAJECTORY DATA		SEC_TO.IMPACT	ALT	LAT LON	R	Y PIH AZ 2.019 -73.405 116.800
		786.580	1659.51370	-4.198 -33.981	3394.969	2.019 -73.405 116.800
PHOTC DATA PT LAT LON RANGE A 2 -13.68H -18.941 1818.34560 - 3 -13.133 -20.400 1793.59195 - 4 -12.956 -17.746 1e29.77032 - 5 -14.303 -17.396 1846.76927 -	ZS/C AZN	AZSUN AZA	A.	B/A AZPHAZ INCO	PHAZ EMIS A	LPHA SCALE PT-PT 28.3 0. 1-2
2 -13.688 -18.941 1818.34560 -	51.0 12.4	-80.4 39.0 -70.9 39.5	17.23359	0.825 -89.2 69.4	39.7 34.4 40.8 31.7	25.8 46.15942 2- 3
4 -12-956 -17-746 1829-77032 -	54.8 12.6	-80.6 36.7	17.58038	0.814 -88.4 70.5	38.6.35.6	30.8 78.48342 3- 4
5 -14.303 -17.396 1846.76927 -	51.7 13.5	-81.0 38.5	17.74444	0.796 -89.9 71.0	38.6 37.2	30.9 42.09087 4-5
7 -13.133 -20.400 1793.59195 -	50.1 11.5	-79.9 39.5	17.23359	0.851 -88.5 67.9	40.8 31.7	25.8 39.43521 6- /
JULY 31,1964 13 HR 13 MIN 2 SE	( 378 MS	TAB NO	3	ATLAS PHOTO NO	3	POD SEQUENCE NO 67
TRAJECTORY DATA		SEC TO IMPACT		LAT LON		V PTH AZ
		766.421	1620.44031	-4.288 -33.804	3355.896	2.027 -73.271 116.777
PHOIO DATA PT LAT LCN RANGE A 2 -13.659 -18.925 1777.55890 - 3 -13.116 -20.351 1753.33740 - 4 -12.943 -17.757 1788.72908 -	ZS/C AZN	AZSUN AZA	A *	B/A AZPHAZ INCD	PHAZ EMIS A	LPHA SCALE PT-PT
2 -13.659 -18.925 1777.55890 -	51.0 12.4	-60.4 39.0	17.08355	0.825 -89.2 _69.4	39.7 34.4	28.3 01-2
3 -13.116 -20.351 1753.33740 -	50.1 11.5	-79.9 39.5	16.84681	0.851 -88.5 68.0	40.8 31.7	25.9 45.13618 2- 3 30.8 76.73375 3- 4 30.8 41.14129 4- 5
4 -12.943 -17.757 1788.72908 - 5 -14.260 -17.415 1805.33376 - 6 -14.360 -20.070 1768.34113 -	54.7 12.6	-80.6 36.7	17.18605	0.814 -88.4 70.5 0.797 -89.9 70.9	38.6 37.2	30.8 41.14129 4- 5
6 = 14.360 = 20.070 1768.34113 =	47.2 12.2	-60.2 41.3	16.99022	0.835 -89.9 68.4	40.8 33.4	25.9 78.00743 5- 6
7 -13.116 -20.351 1753.33740 -	50.1 11.5	70 0 10 5				
		-19.9 39.5	16.84681	0.851 -88.5 68.0	40.8 31.7	25.9 38.56818 6- 7
JULY 31,1964 13 HK 13 MIN 20 SE		-79.9 39.5 TAB NO	16.84681	ATLAS PHOTO NO		POD SEQUENCE NO 89
		TAB NO	<b>4</b>	ATLAS PHOTO NO	<b>4</b> R	POD SEQUENCE NO 89
JULY 31,1964 13 HK 13 MIN 20 SE TRAJECTURY DATA		TAB NO	4 ALT 1584.50473	ATLAS PHOTO NO  LAT LON -4.372 -33.637	4 8 3319.960	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755
JULY 31,1964 13 HK 13 MIN 20 SE TRAJECTURY DATA PHOTO DATA	:C 857 MS	TAB NO	4 ALT 1584.50473	LAT LON -4.372 -33.637	4 3319.960 PHAZ EMIS A	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755
JULY 31,1964 13 HK 13 MIN 20 SE TRAJECTURY DATA PHOTO DATA	:C 857 MS	TAB NO	4 ALT 1584.50473	LAT LON -4.372 -33.637	4 3319.960 PHAZ EMIS A	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755
JULY 31,1964 13 HK 13 MIN 20 SE TRAJECTURY DATA PHOTO DATA	:C 857 MS	TAB NO	ALT 1584.50473 A. 16.72188 16.49003	ATLAS PHOTO NO  LAT LON -4.372 -33.637  B/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.4	R 3319.960 PHAZ EMIS A 39.7 34.4 40.8 31.8	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  ILPHA SCALE PT-P1 28.3 0. 1-2 28.3 0. 1-2 25.9 44.18723 2-3
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 2 -13.631 -18.916 1739.92757 -3 -13.100 -20.312 1716.20619 -4 -12.931 -17.773 1750.85677 -5 -14.220 -17.438 1767.09505 -5 -14.220 -17.438 1767.09505 -	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6	TAB NO SEC TO IMPACT 747.942  AZSUN AZA -80.4 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5	ALT 1584.50473 A. 16.72188 16.49003 16.82218	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8/A AZPHAZ INCO 0.825 -89.2 69.4 0.856 -88.5 68.0 0.814 -88.4 70.5	R 3319.960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 35.5	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  ILPHA SCALE PT-P1 28.3 0. 1-2 28.3 0. 1-2 25.9 44.18723 2-3
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 2 -13.631 -18.916 1739.92757 -3 -13.100 -20.312 1716.20619 -4 -12.931 -17.773 1750.85677 -5 -14.220 -17.438 1767.09505 -5 -14.220 -17.438 1767.09505 -	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6	TAB NO SEC TO IMPACT 747.942  AZSUN AZA -80.4 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890 16.63036	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.9	R 3319.960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 35.5 38.6 37.2 40.8 33.4	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  ILPHA SCALE PT-P1 28.3 0. 1-2 25.9 44.18723 2-3 30.7 75.11244 3-4 30.8 40.26409 4-5 25.9 76.355474 5-6
JULY 31,1964 13 HK 13 MIN 20 SE TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE 2 - 13.631 - 18.916 1739.92757 - 3 - 13.100 - 20.312 1716.20619 - 4 - 12.931 - 11.773 1759.85677 - 17.773 1759.8577 - 17.773 1759.8577 -	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6	TAB NO SEC TO IMPACT 747.942  AZSUN AZA -80.4 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.9	R 3319.960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 35.5 38.6 37.2 40.8 33.4	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  ILPHA SCALE PT-P1 28.3 0. 1-2 25.9 44.18723 2-3 30.7 75.11244 3-4 30.8 40.26409 4-5 25.9 76.355474 5-6
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 2 -13.631 -18.916 1739.92757 -3 -13.100 -20.312 1716.20619 -4 -12.931 -17.773 1750.85677 -5 -14.220 -17.438 1767.09505 -5 -14.220 -17.438 1767.09505 -	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6	TAB NO SEC TO IMPACT 747.942  AZSUN AZA -80.4 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890 16.63036	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.9	R 3319.960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 35.5 38.6 37.2 40.8 33.4	V PTH AZ 2.035 -73.146 116.755  ILPHA SCALE PT-PT 28.3 0. 1-2 25.9 44.18723 2-3 30.7 75.11244 3-4 30.8 40.26409 4-5 25.9 76.355474 5-6
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE 2 -13.631 -18.916 1739.92757 -3 -13.100 -20.312 1716.20619 -4 -12.931 -17.773 1750.85677 -5 -14.220 -17.438 1767.09505 -5 -14.220 -17.438 1767.09505 -	ZS/C AZN -51-1 12-4 -50-2 11-5 -54-7 12-6 -51-8 13-4 -47-2 12-2 -50-2 11-5	TAB NO SEC TO IMPACT 747.942  AZSUN AZSUN 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4	ALT 1584-50473 16.72188 16.49003 16.82218 16.97890 16.03036 16.49003	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.0 0.835 -89.9 68.6	R 3319.960 PHA2 EMIS A 39.7 34.4 40.8 31.8 38.6 35.5 38.6 37.2 40.8 33.4 40.8 31.8	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  1.243 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 37.74900 6- 7
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.88626 - 7 -13.100 -70.312 1716.20619 -	ZS/C AZN -51-1 12-4 -50-2 11-5 -54-7 12-6 -51-8 13-4 -47-2 12-2 -50-2 11-5	TAB NO  SEC TO IMPACT 747, 942  AZSUN AZA 40.4 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4  TAB NO	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890 16.9003 5	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 0.836 ATLAS PHOTO NO	A 3319,960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 33.4 40.8 31.8	V PTH AZ 2.035 -73.146 116.755  ILPHA SCALE PT-PT 28.3 0. 1-2 25.9 44.18723 2-3 30.7 75.11244 3-4 30.8 40.26409 4-5 25.9 76.35474 5-6 POD SEQUENCE NO 115
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA  PI LAT LON RANGE A 2 -13.631 -18.916 1739.02757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.4738 1767.09505 - 6 -14.317 -20.037 1730.88625 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HK 13 MIN 42 SE  TRAJECTORY DATA	AZS/C AZN 1-51.1 12.4 50.2 11.5 5-4.7 12.6 5-1.8 13.4 4-7.2 12.2 5-50.2 11.5	TAB NO  SEC TO IMPACT 747, 942  AZSUN AZA -10.4 38.1-9 39.4 -20.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890 16.9003 5	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 0.836 ATLAS PHOTO NO	A 3319,960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 33.4 40.8 31.8	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  LPHA SCALE PT-PT 28.3 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 76.35474 5- 6 25.9 37.74900 6- 7  POD SEQUENCE NO 115
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA  PI LAT LON RANGE A 2 -13.631 -18.916 1739.02757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.4738 1767.09505 - 6 -14.317 -20.037 1730.88625 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HK 13 MIN 42 SE  TRAJECTORY DATA	AZS/C AZN 1-51.1 12.4 50.2 11.5 5-4.7 12.6 5-1.8 13.4 4-7.2 12.2 5-50.2 11.5	TAB NO  SEC TO IMPACT 747, 942  AZSUN AZA -10.4 38.1-9 39.4 -20.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104	ALT 1584-50473 ALT 16.72188 16.49003 16.82218 16.97890 16.93036 16.49003 5	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6.4 A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.855 -86.0 ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCO	A 3319,960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 31.8 5 R 3277,342 PHAZ EMIS A	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  1.243 0. 1-2 25.9 44.18723 2-3 30.7 75.11244 3-4 30.8 40.26409 4-5 25.9 37.74900 6-7  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.88626 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -54.7 12.6 -67.2 11.5 -60.2 11.5 -60.2 11.5 -60.2 11.5	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4 TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890 16.63036 16.49003 5 ALT 1541.88690 A.	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8/A AZPHAI INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.4 0.850 -86.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435 0.825 -89.2 69.4	R 3319,960  PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 33.4 40.8 31.8 5  R 3277,342  PHAZ EMIS A 39.7 34.4	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  LPHA SCALE PT-PT 28.3 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 76.355474 5- 6  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT 28.3 0. 1- 2
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.88626 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -54.7 12.6 -67.2 11.5 -60.2 11.5 -60.2 11.5 -60.2 11.5	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9 -80.0 39.4	ALT 1584-50473 16.72188 16.49003 16.82218 16.97890 16.3036 16.49003 5	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6/4 A2/PHAZ INCO 0.825 -89.2 69.4 0.856 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.855 -89.9 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A A2/PHAZ INCO 0.825 -89.2 69.4 0.855 -89.2 69.4 0.855 -89.2 69.4	A 3319,960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 31.8 5 R 3277,342 PHAZ EMIS A 39.7 34.4 40.8 31.8	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  1.24
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.88626 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -54.7 12.6 -67.2 11.5 -60.2 11.5 -60.2 11.5 -60.2 11.5	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9 -80.0 39.4 -80.6 36.7	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890 16.93036 5 ALT 1541.88690	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.4 0.850 -88.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCD 0.825 -89.2 69.4 0.850 -84.5 68.1 0.825 -89.2 69.4 0.850 -84.5 68.1	4 3319,960 PMAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 31.8 5 R 3277.342 PHAZ EMIS A 39.7 34.4 40.8 31.8 39.7 34.4 40.8 31.8	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  LEPHA SCALE PT-PT 28.3 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 76.355474 5- 6  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT 28.3 0. 1- 2 25.9 43.05874 2- 3 30.7 73.18564 3- 4
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -1/.773 1750.85677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.88626 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 9 1 -13.596 -18.907 1695.22859 - 3 -13.079 -70.267 1672.10374 - 4 -12.914 -17.793 1705.87161 - 5 -14.170 -17.468 1721.67371 - 5 -14.170 -17.468 1721.67371	2C 857 MS  2ZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.5 -50.2 11.5 -6.696 MS  AZS/C AZN -51.1 12.4 -50.2 12.5 -50.2 13.4	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4  -80.6 36.7 -81.0 38.5  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9  -80.0 4 38.9  -80.0 39.4  -80.0 39.4	ALT 1584-50473 16-72188 16-49003 16-82218 16-93036 16-49003 5 ALT 1541-88690 Ae 16-29229 16-08628 16-18996 16-5248	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.855 -89.9 68.0 ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 69.4 0.850 -88.5 69.7 0.854 69.9 70.9	A 3319,960 PHAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 31.8 5 R 3277.342 PHAZ EMIS A 39.7 34.4 40.8 31.8 39.7 34.4 40.8 31.8 39.7 34.4 80.6 35.5 38.6 37.1	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  LPHA SCALE PT-PT 28.3 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 76.35474 5- 6 25.9 37.74900 6- 7  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT 28.3 0. 1- 2 25.9 43.05874 2- 3 30.8 39.22188 4- 5 30.8 39.22188 4- 5 25.9 74.39065 5- 6
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.88625 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HK 13 MIN 42 SE  TRAJECTORY BATA PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859 - 3 -13.079 -20.267 1672.10374 - 4 -12.914 -17.793 1705.87161 - 5 -14.170 -17.468 1721.67371 - 6 -14.265 -19.999 1666.39818	2C 857 MS  2ZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.5 -50.2 11.5 -6.696 MS  AZS/C AZN -51.1 12.4 -50.2 12.5 -50.2 13.4	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4 -80.0 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA 88.9 -80.0 39.4 -80.0 39.4 -80.6 36.7 -81.0 38.5 -81.0 38.5	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890 16.93036 5 ALT 1541.88690	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.4 0.850 -86.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -84.5 68.1 0.825 -89.2 69.4 0.850 -84.5 68.1 0.826 -84.5 68.1 0.826 -84.5 68.1 0.826 -84.5 68.1 0.826 -84.5 70.4 0.792 -89.9 70.9	4 3319,960 PMAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 31.8 5 R 3277.342 PHAZ EMIS A 39.7 34.4 40.8 31.8 39.7 34.4 40.8 31.8	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  LPHA SCALE PT-PT 28.3 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 37.74900 6- 7  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT 28.3 0. 1- 2 25.9 43.05874 2- 3 30.8 39.22188 4- 5 30.8 39.22188 4- 5 25.9 7.439065 5- 6
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.48625 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HK 13 MIN 42 SE  TRAJECTORY BATA PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859 - 3 -13.079 -20.267 1672.10374 - 4 -12.914 -17.793 1705.87161 - 5 -14.170 -17.468 1721.67371 - 6 -14.265 -19.999 1664.39818 -	ZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.2 -50.2 11.5 -60.8 MS -71.1 12.4 -71.1 12.4 -71.1 12.4 -71.1 12.4 -71.1 12.4 -71.1 12.4 -71.1 12.4 -71.1 12.4	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -70.9 39.4 -80.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9 -80.0 39.4 -80.6 36.7 -81.0 38.5 -80.2 41.1 -80.0 39.4	ALT 1584.50473 AL T 1584.50473 16.72188 16.92218 16.97890 5 ALT 1541.88690 Ae 16.29229 16.0628 16.34248 16.34248 16.34248 16.34248 16.34248	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8.4 A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.0 ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -84.5 68.1 0.825 -89.2 69.4 0.826 -89.5 68.1 0.826 -89.9 70.9 0.835 -89.9 68.1 0.835 -89.9 68.5 0.850 -88.5 68.1	A 3319,960 PHAZ EMIS A 39.7 34.4 40.8 31.8 5 8.6 35.5 38.6 37.2 40.8 31.8 5 R 3277.342 PHAZ EMIS A 39.7 34.4 40.8 31.8 39.7 34.4 40.8 31.8 39.6 35.5 39.6 37.1 40.8 31.8	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  1. 12 25.9 44.18723 2-3 30.7 75.11244 3-4 30.8 40.26409 4-5 25.9 37.74900 6-7  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT 28.3 0. 1-2 28.3 0. 1-2 30.7 73.18564 3-4 30.8 39.22188 4-5 25.9 36.77554 6-7
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JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2-13.631 -18.916 1739.92757 -3 -13.100 -20.312 1716.20619 -4 -12.931 -17.773 1750.85677 -5 -14.220 -17.438 1767.09505 -6 -14.317 -20.037 1730.88626 -7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2-13.596 -18.907 1095.22859 -3 -13.079 -20.267 1672.10374 -4 -12.914 -17.793 1705.87161 -5 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374 -4 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374 -4 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374 -4 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374 -4 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374 -4 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374 -4 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374 -4 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374 -4 -14.265 -19.999 1666.39818 -7 -13.079 -20.267 1672.10374	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.2 -50.2 11.5 -60.2 11.5 -60.2 11.5 -71.1 12.4 -71.1 12.4	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4 -80.4 38.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9 -80.2 41.2 -80.6 36.7 -81.0 39.4 -80.6 36.7 -81.0 39.4 -80.0 39.0 -80.0	ALT 1584-50473 AL 1 16.72188 16.49003 16.82218 16.97890 5 ALT 1541-88690 Ae 16.29229 16.06628 16.38996 16.54248 16.20291 16.06628	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6.4 A A2PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.0  ATLAS PHOTO NO  LAT LUN -4.473 -33.435  B/A A2PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0  0.826 -89.2 69.4 0.850 -88.5 68.1 0.814 -84.4 70.4 0.792 -69.9 70.9 0.835 -89.9 68.5 0.850 -88.5 68.1  ATLAS PHOTO NO	4 3319,960 PHAZ EMIS A 39.7 34.4 40.8 31.8 5 R 3277.342 PHAZ EMIS A 39.7 34.4 40.8 31.8 5 PHAZ EMIS A 39.7 34.4 40.8 31.8 39.7 34.4 40.8 31.8 39.7 34.4 40.8 31.8	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  1.24
JULY 31,1964 13 HK 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.85677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.88625 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HK 13 MIN 42 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 16.95.22859 - 3 -13.074 -70.267 1672.10374 - 4 -12.914 -17.793 1705.87161 - 5 -14.170 -17.468 1721.67371 - 6 -14.265 -19.99 1666.39818 - 7 -13.079 -20.267 1672.10374 -  JULY 31,1964 13 HR 13 MIN 59 SE  TRAJECTORY DATA	2C 857 MS  2ZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.2 -50.2 11.5 -51.1 12.4 -50.2 12.5 -50.2 13.5 -50.2 13.5 -50.2 13.5 -50.2 13.5 -50.2 13.5 -50.2 13.5 -50.2 13.5	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9 -80.0 39.4	ALT 1584-50473 16-72188 16-49003 16-82218 16-93036 16-49003 5 ALT 1541-88690 Ae 16-29229 16-08628 16-38996 16-5248 16-20291 16-06628	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6/A A/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.0 ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A A/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A A/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.1 0.814 -88.5 68.1 0.816 -88.5 68.1  ATLAS PHOTO NO	A 3319,960 PHAZ EMIS A 39.7 34.4 40.8 31.8 5 8.6 35.5 38.6 37.2 40.8 31.8 5 R 3277.342 PHAZ EMIS A 39.7 34.4 40.8 31.8 39.7 34.4 40.8 33.8 6 R 3244.448	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  1.24
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 - 3 -13.100 -20.312 1716.20619 - 4 -12.931 -17.773 1750.89677 - 5 -14.220 -17.438 1767.09505 - 6 -14.317 -20.037 1730.88626 - 7 -13.100 -70.312 1716.20619 -  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859 - 3 -13.079 -20.267 1672.10374 - 4 -12.914 -17.793 1705.87161 - 5 -14.176 -17.468 1721.67371 - 6 -14.265 -19.99 1686.39818 - 7 -13.079 -20.267 1672.10374 - JULY 31,1964 13 HR 13 MIN 59 SE  TRAJECTURY DATA PHOTO DATA PHOTO DATA PT LAT LON RANGE A 2 -13.673 1 - 6 -14.265 -19.99 1686.39818 - 7 -13.079 -20.267 1672.10374 -	2C 857 MS  2ZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.2 -50.2 11.5 -6.696 MS  AZS/C AZN -51.1 12.4 -50.2 11.5 -51.8 13.4 -47.3 12.2 -50.2 11.5	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4 -10.0 38.5 -80.2 41.2 -79.9 39.4 -1726.104  AZSUN AZA 41.2 -79.9 39.4 -1726.104  AZSUN AZA -80.4 38.9 -80.0 39.4 -10.6 36.7 -81.0 38.5 -10.2 41.1 -10.0 39.4 -10.0 SEC TO IMPACT 709.305	ALT 1584.50473 A. 16.72188 16.49003 16.82218 16.97890 16.63036 16.49003 5 ALT 1541.88690 4.29229 16.06628 16.54248 16.20291 16.06628	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.4 0.850 -88.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.1 0.825 -89.2 69.4 0.850 -88.5 68.1 0.825 -89.5 68.1 0.825 -89.5 68.1 0.825 -89.5 68.1 0.825 -89.5 68.1 0.825 -89.9 68.5 0.850 -88.5 68.1  ATLAS PHOTO NO	4  3319,960  PMAZ EMIS A 39.7 34.4 40.8 31.8 38.6 37.2 40.8 31.8 5  R 3277.342  PHAZ EMIS A 30.7 34.4 40.8 31.8 6  R 3244.448  PHAZ FMIS	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  LEPHA SCALE PT-PT 28.3 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 76.35474 5- 6 7  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT 28.3 0. 1- 2 25.9 43.05874 2- 3 30.8 39.22188 4- 5 25.9 74.39065 5- 6 25.9 36.77554 6- 7  POD SEQUENCE NO 135
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 3 -13.100 -20.312 1716.20619 -4 4 -12.931 -1/.773 1750.85677 -5 5 -14.220 -17.438 1767.09505 -6 6 -14.317 -2.0.037 1730.88626 -7 -13.100 -70.312 1716.20619 -1  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859 -3 3 -13.079 -20.267 1672.10374 -4 4 -12.914 -17.793 1705.87161 -5 5 -14.170 -17.468 1721.67371 -6 5 -14.265 -19.999 1686.39818 -7 -13.079 -20.267 1672.10374 -1  JULY 31,1964 13 HR 13 MIN 59 SE  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LON RANGE A 2 -13.568 -18.862 1661.21802	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.2 -50.2 11.5 -2.50.2 11.5	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4  -80.6 36.7 -81.0 38.5 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.6 36.7 -81.0 38.5 -80.2 41.2 -80.0 39.4  TAB NO	ALT 1584-50473 16-72188 16-49003 16-82218 16-93036 16-49003 5 ALT 1541-88690 A- 16-29229 16-08628 16-38996 16-5248 16-20291 16-06628 6 ALT 1508-9923 ALT	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.855 -89.9 68.0 ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCO 0.850 -88.5 68.1  ATLAS PHOTO NO  LAT LON -4.473 -33.276  ATLAS PHOTO NO  LAT LON -4.553 -33.276	A  3319,960  PHAZ EMIS A 39.7 34.4 40.8 31.8 5  R 3277,342  PHAZ EMIS A 39.7 34.4 40.8 31.8 5  R 3277,342  PHAZ EMIS A 39.7 34.4 40.8 31.8 6  R 3244.448  PHAZ EMIS A 3244.448  PHAZ EMIS A 33.4 40.8 31.8 6	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  LEPHA SCALE PT-PT 28.3 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 76.35474 5- 6 7  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT 28.3 0. 1- 2 25.9 43.05874 2- 3 30.8 39.22188 4- 5 25.9 74.39065 5- 6 25.9 36.77554 6- 7  POD SEQUENCE NO 135
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 3 -13.100 -20.312 1716.20619 -4 4 -12.931 -1/.773 1750.85677 -5 5 -14.220 -17.438 1767.09505 -6 6 -14.317 -2.0.037 1730.88626 -7 -13.100 -70.312 1716.20619 -1  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859 -3 3 -13.079 -20.267 1672.10374 -4 4 -12.914 -17.793 1705.87161 -5 5 -14.170 -17.468 1721.67371 -6 5 -14.265 -19.999 1686.39818 -7 -13.079 -20.267 1672.10374 -1  JULY 31,1964 13 HR 13 MIN 59 SE  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LON RANGE A 2 -13.568 -18.862 1661.21802	AZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.2 -50.2 11.5 -2.50.2 11.5	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -79.9 39.4 -80.6 36.7 -81.0 38.5 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9 -80.0 39.4 -80.0 39.4 -80.0 39.4 -80.0 39.4 -80.0 39.4 -80.5 -80.0 39.4 -80.5 -80.0 39.4 -80.5 -80.0 39.4 -80.5 -80.0 39.4 -80.5 -80.0 39.4 -80.5 -80.0 39.4 -80.5 -80.5 -80.0 39.4 -80.5 -80.5 -80.0 39.4 -80.5 -80.5 -80.0 39.4 -80.5 -80.5 -80.0 39.4 -80.5 -80.5 -80.0 36.8 80.0 36.8	ALT 1584-50473 16.72188 16.49003 16.82218 16.97890 16.3036 16.49003 5 ALT 1541.88690 A. 16.29229 16.06628 16.38996 16.5248 16.20291 16.06628 6	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6.4 A 2/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.855 -89.9 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A A/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A A/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.1  ATLAS PHOTO NO  LAT LON -4.553 -33.276  B/A A/PHAZ INCO 0.825 -89.9 70.9 0.835 -89.9 68.5 0.850 -88.5 68.1	### 3319,960  PHAZ EMIS ## 39.7 34.4  40.8 31.8  5  R  3277.342  PHAZ EMIS ## 32.4  40.8 31.8  5  R  3277.342  PHAZ EMIS ## 39.7 34.4  40.8 31.8  6  R  3244.448  PHAZ EMIS ## 38.6  8  6  R  3244.448  PHAZ EMIS ## 38.6  8  40.8 31.8  6	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  LPHA SCALE PT-PT 28.3 0. 1- 2 25.9 44.18723 2- 3 30.7 75.11244 3- 4 30.8 40.26409 4- 5 25.9 37.74900 6- 7  POD SEQUENCE NO 115  V PTH AZ 2.045 -72.995 116.729  ALPHA SCALE PT-PT 28.3 0. 1- 2 25.9 74.39065 5- 6 25.9 74.39065 5- 6 25.9 74.39065 5- 6 25.9 36.77554 6- 7  POD SEQUENCE NO 135
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 -3 3 -13.100 -20.312 1716.20619 -4 4 -12.931 -17.773 1750.85677 -5 5 -14.220 -17.438 1767.09505 -6 6 -14.317 -20.037 1730.88626 -7 7 -13.100 -70.312 1716.20619 -4  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859 -3 3 -13.079 -20.267 1672.10374 -4 4 -12.914 -17.793 1705.87161 -5 5 -14.170 -17.468 1721.67371 -6 5 -14.265 -19.999 1666.39618 -7 7 -13.079 -20.267 1672.10374  JULY 31,1964 13 HR 13 MIN 59 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.568 -18.862 1661.21802 -3 3 -13.060 -20.197 1688.49281 -4 -12.999 -17.771 1671.60225 -7 -17.771 1671.60225	225/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -67.2 12.2 -50.2 11.5 -60.6 MS AZS/C AZN -51.1 12.4 -50.2 11.5 -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -50.2 11.5 -51.8 13.4 -50.2 11.5 -51.1 12.4 -50.3 12.5 -50.3 11.5 -50.3 11.5	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 98.9 -80.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9 -80.0 39.4  TAB NO  SEC TO IMPACT 709.305 -80.0 39.4  TAB NO  SEC TO IMPACT 709.305 -80.0 39.4	ALT 1584-50473 16.72188 16.49003 16.82218 16.97890 16.3036 16.49003 5 ALT 1541.88690 A. 16.29229 16.06628 16.38996 16.5248 16.20291 16.06628 6	ATLAS PHOTO NO  LAT LON -4.372 -33.637  6.4 A 2/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.855 -89.9 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A A/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A A/PHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.1  ATLAS PHOTO NO  LAT LON -4.553 -33.276  B/A A/PHAZ INCO 0.825 -89.9 70.9 0.835 -89.9 68.5 0.850 -88.5 68.1	### 3319,960  PHAZ EMIS ## 39.7 34.4  40.8 31.8  5  R  3277.342  PHAZ EMIS ## 32.4  40.8 31.8  5  R  3277.342  PHAZ EMIS ## 39.7 34.4  40.8 31.8  6  R  3244.448  PHAZ EMIS ## 38.6  8  6  R  3244.448  PHAZ EMIS ## 38.6  8  40.8 31.8  6	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  1.24
JULY 31,1964 13 HR 13 MIN 20 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.631 -18.916 1739.92757 3 -13.100 -20.312 1716.20619 -4 4 -12.931 -1/.773 1750.85677 -5 5 -14.220 -17.438 1767.09505 -6 6 -14.317 -2.0.037 1730.88626 -7 -13.100 -70.312 1716.20619 -1  JULY 31,1964 13 HR 13 MIN 42 SE  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE A 2 -13.596 -18.907 1695.22859 -3 3 -13.079 -20.267 1672.10374 -4 4 -12.914 -17.793 1705.87161 -5 5 -14.170 -17.468 1721.67371 -6 5 -14.265 -19.999 1686.39818 -7 -13.079 -20.267 1672.10374 -1  JULY 31,1964 13 HR 13 MIN 59 SE  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LON RANGE A 2 -13.568 -18.862 1661.21802	2C 857 MS  2ZS/C AZN -51.1 12.4 -50.2 11.5 -54.7 12.6 -51.8 13.4 -47.2 12.2 -50.2 11.5 -51.1 12.4 -50.2 11.5 -51.8 13.4 -70.2 11.5 -	TAB NO  SEC TO IMPACT 747.942  AZSUN AZA 38.9 -80.6 36.7 -81.0 38.5 -80.2 41.2 -79.9 39.4  TAB NO  SEC TO IMPACT 726.104  AZSUN AZA -80.4 38.9 -80.0 39.4  TAB NO  SEC TO IMPACT 709.305  AZSUN AZA -80.0 39.4  TAB NO  SEC TO IMPACT 709.305  AZSUN AZA -80.0 39.4  TAB NO  SEC TO IMPACT 709.305  AZSUN AZA -80.0 39.4  -80.0 39.4  TAB NO  SEC TO IMPACT 709.305  AZSUN AZA -80.3 36.8  -80.0 39.3  -80.6 30.7  -81.0 38.4  -80.0 39.3  -80.6 30.7  -81.0 38.4	ALT 1584-50473 16.72188 16.49003 16.82218 16.97890 16.3036 16.49003 5 ALT 1541.88690 A. 16.29229 16.06628 16.38996 16.5248 16.20291 16.06628 6	ATLAS PHOTO NO  LAT LON -4.372 -33.637  8/A AZPHAZ INCO 0.825 -89.2 69.4 0.850 -88.5 68.0 0.814 -88.4 70.5 0.797 -89.9 70.9 0.835 -89.9 68.4 0.850 -86.5 68.0  ATLAS PHOTO NO  LAT LON -4.473 -33.435  B/A AZPHAZ INCO 0.825 -89.2 69.4 0.792 -89.9 70.9 0.850 -86.5 68.1 0.850 -86.5 68.1 0.850 -86.5 68.1 0.850 -86.5 68.1 0.855 -89.5 68.1  ATLAS PHOTO NO	### 3319,960  PHAZ EMIS ## 39.7 34.4  40.8 31.8  5  R  3277.342  PHAZ EMIS ## 32.4  40.8 31.8  5  R  3277.342  PHAZ EMIS ## 39.7 34.4  40.8 31.8  6  R  3244.448  PHAZ EMIS ## 38.6  8  6  R  3244.448  PHAZ EMIS ## 38.6  8  40.8 31.8  6	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.146 116.755  1.24

2

* ***		TAB NO	7	ATLAS PHOTO NO	7	DOD CEOUENOE NO. 155
JULY 31,1964 13 HR 14 MIN 16 SEC 294	MS	IND NO	•	ATERS PROTO NO	,	POD SEQUENCE NO 155
TRAJECTORY DATA		SEC TO IMPACT	ALT 1475.99896	LAT LON- -4.634 ~33.114	R 3211-454	V PTH AZ 2.060 -72.756 116.688
PHOTO DATA PT LAT LON RANGE A/S/C						
PT LAT LCN RANGE AZS/C 2 -13.537 -18.813 1627.13644 -51.3	AZN 12.4	AZSUN AZA -80.5 38.7	A* 15.63788		39.6 34.5	LPHA SCALE PT-PT 28.5 0. 1-2
3 -13.040 -20.122 1504.80640 -50.4 4 -12.882 -17.744 1537.44751 -54.8	11.6	-80.0 39.2	15.41966	0.849 -88.6 68.2	40.7 32.0	26.1 41.40012 2- 3
4 -12.882 -17.744 1637.44751 -54.8 5 -14.087 -17.431 1652.61243 -51.9	12.6	-80.6 36.6 -81.0 38.3	15.73254 15.87891	0.813 -88.4 70.5 0.797 -89.9 70.9		30.8 70.35116 3- 4 30.9 37.64711 4- 5
6 -14.178 -19.863 1618.53082 -47.6	12.3	-80.3 40.8	15.55084	C.834 -89.9 68.6	40.7 33.5	26.1 71.50758 5-6
7 -13.040 -20.122 1604.80640 -50.4	11.6	-80.0 39.2	15.41966	0.849 -88.6 68:2	40.7 32.0	26.1 35.29756 6- 7
JULY 31,1964 13 HR 14 MIN 33 SEC 93	MS	TAB NO	8	ATLAS PHOTO NO	8	POD SEQUENCE NO 175
TRAJECTORY HATA		SEC TO IMPACT	ALT	LAT LON	R	V PIH AZ
PHOTO DATA		675.707	1442.90503	-4.717 -32.948	3178.360	2.067 -72.634 116.667
PT LAT LON RANGE AZSZC	ALN	AZSUN AZA	A *	B/A AZPHAZ INCD	PHAZ EPIS A	LPHA SCALE PT~PT
2 -13.506 -18.781 1592.68222 -51.3 3 -13.020 -20.063 1570.77724 -50.5	12.5	-80.5 38.7 -80.0 39.1	15.30675	0.824 -89.2 69.6 0.848 -88.6 68.3	39.6 34.5	28.5 0. 1-2 26.2 40.54877 2-3
4 -12.865 -17.734 1602.80727 -54.8	12.6	-80.6 36.6	15.39972	0.813 -88.4 70.5	38.5 35.6	30.8 68.89823 3- 4
5 -14.044 -17.427 1617.64392 -52.0 6 -14.133 -19.869 1584.20880 -47.7	13.4	-81.1 35.3 -80.3 40.7	15.54292 15.22108	0.797 -89.9 70.9	38.5 37.2	30.9 36.84758 4- 5
7 -13.020 -20.063 1570.77724 -50.5	11.6	-80.0 39.1	15.09269	0.848 -88.6 68.3		26.2 70.02864 <b>5-</b> 6 26.2 34.54836 6- 7
		TAR NO	0	ATLAS PHOTO NO		POD SEQUENCE NO 195
JULY 31,1964 13 HR 14 MIN 49 SEC 892	MS	1.02		AILAS PHOTO NO	9	LOD SEÁNEUCE NO 132
TRAJECTURY DATA		SEC TO IMPACT 658.908	ALT 1409.70874	LAT LON -4.802 -32.779	R 3145.164	V PTH AZ 2.075 -72.508 116.645
PHOTO DATA PT LAT LON RANGE AZS/C	<b>A7N</b>					
2 -13.473 -18.756 1557.97939 -51.4	12.5	AZSUN AZA -80.5 38.6	A+ 14.97324	8/A AZPHAZ INCD 0.823 -89.2 69.6	PHAZ EMIS AL	LPHA SCALE PT-PT 28.6 012
3 -12.998 -20.011 1536.51410 -50.6	11.6	-80.1 39.0	14.76348	0.848 -88.6 68.3	40.7 32.1	26.3 39.68521 2- 3
4 -12.846 -17.732 1567.90805 -54.8 5 -14.000 -17.432 1582.41116 -52.0	12.6	-80.6 36.6 -81.1 38.2	15.06441 15.20439			30.9 67.42535 3- 4 30.9 36.04092 4- 5
6 -14.087 -19.762 1549.64835 -47.8	12.3	-80.4 40.6	14.88902			30.9 36.04092 4-5 26.3 68.52896 5-6
7 -12.998 -20.011 1536.51410 -50.6	11.6	-80.1 39.0	14.76348	0.848 -88.6 68.3	40.7 32.1	26.3 33.79289 6- 7
JULY 31,1964 13 HR 15 MIN 5 SEC 11	MS	TAB NO	10	ATLAS PHOTO NO	10	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN 5 SEC 11 TRAJECTORY DATA	MS	SEC TO IMPACT	ALT	LAT LON	R	V PTH AZ
TRAJECTORY DATA	MS		ALT		R	• • • • • • • • • • • • • • • • • • • •
TRAJECTORY DATA PHOTO DATA PT LAY LON RANGE AZS/C	AZN	SFC TO IMPACT 643.789 AZSUN AZA	ALT 1379.74292	LAT LON -4.860 -32.623 B/A AZPHAZ INCO	R 3115.198 :	V PTH AZ 2-082 -72-394 116-625 LPHA SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5	AZN 12.5	SFC TO IMPACT 643.789 AZSUN AZA -80.5 38.5	ALT 1379.74292 A* 14.67161	LAT LON -4.860 -32.623 B/A AZPHAZ INCO 0.823 -89.2 69.6	R 3115.198 ; PHAZ EMIS AI 39.6 34.6 ;	V PTH AZ 2-082 -72-394 116-625 LPHA SCALE PT-PT 28-6 0. 1-2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9	AZN 12.5 11.6 12.6	SFC TO IMPACT 643.789 AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6	ALT 1379.74292 A* 14.67161 14.46577 14.76114	LAT LON -4.860 -32.623 B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -88.6 68.4 0.813 -88.4 70.5	R 3115.198 : PHAZ EMIS AI 39.6 34.6 : 40.7 32.1 :	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 28.6 0. 1- 2 26.3 38.90240 2- 3
TRAJECTORY DATA  PHOTE DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1546.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1	AZN 12.5 11.6 12.6 13.4	AZ SUN AZ A -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2	ALT 1379.74292 A* 14.67161 14.46577 14.76114 14.89820	LAT LON -4.860 -32.623 B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -88.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9	R 3115.198 ; PHAZ EMIS AI 39.6 34.6 ; 40.7 32.1 ; 38.5 35.7 ; 38.5 37.2	V PTH AZ 2-082 -72.394 116.625  PHA SCALE PT-PT 28.6 0. 1- 2 26.3 38.90240 2- 3 30.9 66.09094 3- 4 30.9 35.31099 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.594.45 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9	AZN 12.5 11.6 12.6	SFC TO IMPACT 643.789 AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6	ALT 1379.74292 A• 14.67161 14.46577 14.76114 14.89820 14.58873	LAT LON -4.880 -32.623 8/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7	R 3115.198; PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6	V PTH AZ 2.082 -72.394 116.625  LPHA SCALE PT-PT 28.6 0. 1-2 26.3 38.90240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 67.17022 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.594.5 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9	AZN 12.5 11.6 12.6 13.4 12.3	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0	ALT 1379.74292 A• 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577	LAT LON -4.860 -32.623 B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -88.6 68.4 0.813 -88.4 70.5 0.797 -89.9 0.83 0.833 -89.9 68.7 0.847 -88.6 68.4	R 3115.198 ; PHAZ EMIS AI 39.6 34.6 ; 40.7 32.1 ; 38.5 37.2 ; 40.7 33.6 ; 40.7 32.1 ;	V PTH AZ 2-082 -72.394 116.625 LPHA SCALE PT-PT 28.6 0. 1-2 26.3 38.00240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 33.10953 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.594.45 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 810	AZN 12.5 11.6 12.6 13.4 12.3 11.6	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO	ALT 1379.74292 A= 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577	LAT LON -4.860 -32.623  8/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -88.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7 0.847 -88.6 68.4  ATLAS PHOTO NO	R 3115.198 ; PHAZ EMIS AI 39.6 34.6 ; 40.7 32.1 ; 38.5 37.2 ; 40.7 33.6 ; 40.7 32.1 ;	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 26.3 38.90240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 33.10953 6-7  POD SEQUENCE NO 233
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.594.55 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 610  TRAJECTORY DATA	AZN 12.5 11.6 12.6 13.4 12.3 11.6	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0	ALT 1379-74292 A• 14-67161 14-46577 14-76114 14-89820 14-58873 14-46577	LAT LON -4.860 -32.623 B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -88.6 68.4 0.813 -88.4 70.5 0.797 -89.9 0.83 0.833 -89.9 68.7 0.847 -88.6 68.4	R 3115.198; PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6 40.7 32.1	V PTH AZ 2-082 -72.394 116.625 LPHA SCALE PT-PT 28.6 0. 1-2 26.3 38.00240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 33.10953 6-7
TRAJECTORY DATA  PHOTE DATA  PT LAT 10N RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 610  TRAJECTURY DATA  PHOTE DATA	AZN 12.5 11.6 12.6 13.4 12.3 11.6	SFC. TO IMPACT 643.789  AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 38.2 -80.4 40.5 -80.1 39.0  TAB NO	ALT 1379-74292 A• 14-67161 14-46577 14-76114 14-89820 14-58873 14-46577	LAT LON -4.860 -32.623  8/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -88.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -4.968 -32.447	R 3115.198: PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 40.7 33.6 40.7 32.1 11  R 3081.802:	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 28.6 0. 1 - 2 26.3 38.90240 2- 3 30.9 66.09094 3- 4 30.9 35.31099 4- 5 26.3 33.10953 6- 7  POD SEQUENCE NO 233  V PTH AZ 2-091 -72.264 116.602
TRAJECTORY DATA  PHOTE DATA  PT LAT 10N RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.6 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 810  TRAJECTURY DATA  PHOTE DATA  PT LAT LON RANGE AZS/C 2 -13.407 -14.716 1491.54356 -51.5	AZN 12.5 11.6 12.6 13.4 12.3 11.6 MS	SFC. TO IMPACT 643.789  AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5	ALT 1379.74292 A. 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 A. 14.33474	LAT LON -4.660 -32.623 B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -88.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7 0.847 -88.6 68.4 ATLAS PHOTO NO  LAT LON -4.968 -32.447 B/A AZPHAZ INCO 0.823 -69.2 69.2	R 3115.198: PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6 40.7 32.1 11  R 3081.802 2 PHAZ EMIS AI 39.6 34.6	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 26.3 38.00240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 33.10953 6-7  POD SEQUENCE NO 233  V PTH AZ 2-091 -72.264 116.602  LPHA SCALE PT-PT
TRAJECTORY DATA  PHOTC DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.594.5 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.544.30 -52.1 6 -14.044 -19.722 1518.394.73 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 610  TRAJECTURY DATA  PHOTC DATA  PHOTC DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8	AZN 12.5 11.6 12.6 13.4 12.3 11.6 MS	AZSUN AZA -80.6 38.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 39.0	ALT 1379.74292 A. 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 14.33474 14.13333	LAT LON -4.860 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LUN -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.827 -88.6 69.6	R 3115.198: PHAZ EMIS AI 39.6 34.6 : 40.7 32.1 : 38.5 37.2 40.7 33.6 : 40.7 33.6 : 11  R 3081.802: PHAZ EMIS AI 39.6 34.6 : 0.7 32.2 :	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 26.3 38.90240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 33.10953 6-7  POD SEQUENCE NO 233  V PTH AZ 2-091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1-2 28.6 3.802606 3-3
TRAJECTORY DATA  PHOTE DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.6 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 610  TRAJECTURY DATA  PHOTE DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.097 -17.35 1501.09039 -54.9	AZN 12-5 11-6 12-6 13-4 12-3 11-6 MS	SFC. TO IMPACT 643.789  AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.6 38.5	ALT 1379.74292 Ae 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 14.33474 14.13333 14.42243	LAT LON -4.860 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LUN -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.827 -88.6 69.6	R 3115.198: PHAZ EMIS AI 39.6 34.6 : 40.7 32.1 : 38.5 37.2 40.7 33.6 : 40.7 33.6 : 11  R 3081.802: PHAZ EMIS AI 39.6 34.6 : 0.7 32.2 :	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 26.6 0. 1- 2 26.3 38.90240 2- 3 30.9 66.09094 3- 4 30.9 35.31099 4- 5 26.3 33.10953 6- 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1- 2 26.4 38.02606 2- 3 30.9 64.59790 3- 4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.029 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 610  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.067 -17.735 1501.09039 -54.9 5 -13.911 -17.448 1514.95166 -52.1 6 -13.994 -19.400 1683.49316 -48.0	AZN 12-5 11-6 12-6 13-4 11-6 MS AZN 12-5 11-6 12-6 12-6	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.6 38.5 -80.1 38.9 -80.6 38.5 -80.1 38.9	ALT 1379.74292 Ae 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 Ae 14.33474 14.13333 14.42243 14.55622 14.25340	LAT LON -4.860 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 68.7 0.847 -86.6 66.4  ATLAS PHOTO NO  LAT LON -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.847 -86.6 68.4 0.813 -88.5 70.5 0.797 -89.9 70.9 0.813 -89.9 70.9 0.813 -89.9 70.9	R 3115.198: PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6 40.7 33.6 140.7 32.1 11  R 3081.802: PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 38.5 37.2 40.7 33.7 40.7 33.7	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 28.6 0. 1- 2 26.3 38.90240 2- 3 30.9 66.09094 3- 4 30.9 35.31099 4- 5 26.3 37.17022 5- 6 26.3 33.10953 6- 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0.2606 2- 3 30.9 64.59790 3- 4 30.9 34.49527 4- 5 26.4 65.46984 5- 6
TRAJECTORY DATA  PHOTC DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.594.5 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.544.30 -52.1 6 -14.044 -19.722 1518.394.73 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC B10  TRAJECTURY DATA  PHOTC DATA  PHOTC DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.807 -17.735 1501.09039 -54.9 5 -13.911 -17.448 1514.95166 -55.6	AZN 12-5 11-6 12-6 13-4 12-3 11-6 MS	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.6 38.5 -80.1 38.9	ALT 1379.74292 A. 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 A. 14.33474 14.13333 14.42243 14.55622	LAT LON -4.860 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 68.7 0.847 -86.6 66.4  ATLAS PHOTO NO  LAT LON -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.847 -86.6 68.4 0.813 -88.5 70.5 0.797 -89.9 70.9 0.813 -89.9 70.9 0.813 -89.9 70.9	R 3115.198; PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6 40.7 33.6 140.7 32.1 11  R 3081.802: PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 38.5 37.2 40.7 33.7 38.5 37.2 40.7 33.7 38.5 37.2	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 26.3 38.00240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 37.17022 5-6 26.3 33.10953 6-7  POD SEQUENCE NO 233  V PTH AZ 2-091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1-2 26.4 38.02606 2-3 30.9 64.59790 3-4 30.9 34.49527 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.029 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 610  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.067 -17.735 1501.09039 -54.9 5 -13.911 -17.448 1514.95166 -52.1 6 -13.994 -19.400 1683.49316 -48.0	AZN 12.5 11.6 12.6 13.4 12.3 11.6 MS AZN 11.6 12.6 12.6 13.4 12.3 11.6	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.6 38.5 -80.1 38.9 -80.6 38.5 -80.1 38.9	ALT 1379.74292 Ae 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 Ae 14.33474 14.13333 14.42243 14.55622 14.25340	LAT LON -4.860 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 68.7 0.847 -86.6 66.4  ATLAS PHOTO NO  LAT LON -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.847 -86.6 68.4 0.813 -88.5 70.5 0.797 -89.9 70.9 0.813 -89.9 70.9 0.813 -89.9 70.9	R 3115.198; PHAZ EMIS AI 39.6 34.6 (40.7 32.1 38.5 35.7 38.5 37.2 (40.7 33.6 40.7 32.1 11  R 3081.802; PHAZ EMIS AI 39.6 34.6 (40.7 32.2 38.5 35.7 38.5 37.2 (40.7 33.7 40.7 32.2 38.5 37.2 (40.7 32.2 38.5 35.7 38.5 37.2 (40.7 32.2 38.5 35.7 38.5 37.2 (40.7 32.2 38.5 35.7 38.5 37.2 (40.7 32.2 38.5 35.7 38.5 37.2 (40.7 32.2 38.5 35.7 38.5 37.2 (40.7 32.2 38.5 35.7 38.5 37.2 (40.7 32.2 38.5 35.7 38.5 37.2 (40.7 32.2 38.5 35.7 33.7 40.7 32.2 38.5 37.2 (40.7 32.2 38.5 35.7 33.7 40.7 32.2 38.7 32.2 38.7 37.2 40.7 37.2 40.7 37.2 40.7 37.2 40.7 37.2 40.7 37.2 40.7 37.2 40.7 37.2 40.7 37.2 40.7 37.2	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 28.6 0. 1- 2 26.3 38.90240 2- 3 30.9 66.09094 3- 4 30.9 35.31099 4- 5 26.3 37.17022 5- 6 26.3 33.10953 6- 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1- 2 26.4 38.02606 2- 3 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59796 6- 7  POD SEQUENCE NO 249
TRAJECTORY DATA  PHOTO DATA  PT LAT 10N RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 810  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.807 -17.735 1501.09039 -54.9 5 -13.911 -17.448 1514.95166 -52.1 6 -13.994 -19.680 1883.49316 -48.0 7 -12.952 -19.918 1470.93130 -50.8	AZN 12.5 11.6 12.6 13.4 12.3 11.6 MS AZN 11.6 12.6 12.6 13.4 12.3 11.6	SEC TO IMPACT 643.789  AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.6 36.5 -61.1 38.1 -80.4 40.4 -80.1 38.9	ALT 1379.74292 Ae 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 14.13333 14.42243 14.55622 14.25340 14.13333	LAT LON -4.660 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -88.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -4.968 -32.447 0.823 -69.2 69.6 0.847 -88.6 68.4 0.813 -88.5 70.5 0.797 -89.9 70.9 0.823 -69.9 68.4 0.813 -88.5 70.5 0.797 -89.9 70.9 0.847 -88.6 68.4 ATLAS PHOTO NO	R 3115.198: PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6 11  R 3081.802 2 PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 38.5 37.2 40.7 32.2 2 40.7 33.7 2 40.7 33.7 2	V PTH AZ 2-082 -72.394 116.625  1PHA SCALE PT-PT 26.3 38.90240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 36.10953 6-7  POD SEQUENCE NO 233  V PTH AZ 2-091 -72.264 116.602  LPHA SCALE PT-PT 26.6 0. 1-2 26.4 38.02606 2-3 30.9 64.99790 3-4 30.9 34.49527 4-5 26.4 65.64984 5-6 26.4 32.34576 6-7  POD SEQUENCE NO 249
TRAJECTORY DATA  PHOTE DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 810  TRAJECTURY DATA  PHOTE DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.807 -17.735 1501.09039 -54.9 5 -13.911 -17.448 1514.95166 -52.1 6 -13.994 -19.606 1483.49316 -48.0 6 -13.994 -19.606 1483.49316 -450.8  JULY 31,1964 13 HR 15 MIN 35 SEC 249  TRAJECTORY DATA	AZN 12.5 11.6 12.6 13.4 12.3 11.6 MS AZN 11.6 12.6 12.6 13.4 12.3 11.6	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.6 36.5 -81.1 38.9	ALT 1379-74292 Ae 14-677ic1 14-76114 14-89820 14-58873 14-46577 11 ALT 1346-34720 Ae 14-33474 14-13333 14-42243 14-55622 14-25340 14-13333 12	LAT LON -4.860 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 67.0 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LUN -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.847 -88.6 68.4 0.813 -88.5 70.5 0.813 -88.6 68.4 0.813 -88.6 68.4	R 3115.198: PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6 40.7 32.1 11  R 3081.802: PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 36.5 37.2 40.7 33.2 12	V PTH AZ 2-082 -72.394 116.625  1PHA SCALE PT-PT 26.3 38.90240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 37.1022 5-6 26.3 33.10953 6-7  POD SEQUENCE NO 233  V PTH AZ 2-091 -72.264 116.602  LPHA SCALE PT-PT 226.4 38.02606 2-3 30.9 64.99790 3-4 30.9 34.49527 4-5 26.4 56.64984 5-6 26.4 32.34576 6-7  POD SEQUENCE NO 249
TRAJECTORY DATA  PHOTC DATA  PT LAT 10N RANGE AZS/C 2 -13.443 -18.736 1526.594.5 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.544.30 -52.1 6 -14.044 -19.722 1518.394.73 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 810  TRAJECTURY DATA  PHOTC DATA  PT LAT 10N RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.807 -17.735 1501.09039 -54.9 5 -13.911 -17.448 1514.95166 -52.1 6 -13.994 -19.680 1883.49316 -48.0 7 -12.952 -19.918 1470.93130 -50.8  JULY 31,1964 13 HR 15 MIN 35 SEC 249  TRAJECTORY DATA  PHOTC DATA	AZN 12.5 11.6 13.4 12.3 11.6 MS AZN 12.5 12.6 13.4 12.3 11.6	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.1 38.9 -80.1 38.9 TAB NO	ALT 1379-74292 Ae 14-677ic1 14-76114 14-89820 14-58873 14-46577 11 ALT 1346-34720 Ae 14-33474 14-13333 14-42243 14-55622 14-25340 14-13333 12	LAT LON -4.866 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 68.7 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LUN -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -5.040 -32.302	R 3115.198; PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 37.2 40.7 33.6 40.7 32.1 11  R 3081.802; PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 2 40.7 33.7 40.7 32.2 38.5 35.7 2 40.7 32.2 12	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 26.3 38.90240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 37.17022 5-6 26.3 33.10953 6-7  POD SEQUENCE NO 233  V PTH AZ 2-091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1-2 26.4 38.02606 2-3 30.9 64.59790 3-4 30.9 64.59790 3-4 30.9 34.49527 4-5 26.4 65.64984 5-6 26.4 32.34576 6-7  POD SEQUENCE NO 249  V PTH AZ 2-097 -72.158 116.584
TRAJECTORY DATA  PHOTC DATA  PT LAT 10N RANGE AZS/C 2 -13.443 -18.736 1526.594.5 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.544.30 -52.1 6 -14.044 -19.722 1518.394.73 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 810  TRAJECTURY DATA  PHOTC DATA  PT LAT 10N RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.807 -17.735 1501.09039 -54.9 5 -13.911 -17.448 1514.95166 -52.1 6 -13.994 -19.680 1883.49316 -48.0 7 -12.952 -19.918 1470.93130 -50.8  JULY 31,1964 13 HR 15 MIN 35 SEC 249  TRAJECTORY DATA  PHOTC DATA  PT LAT 10N RANGE AZS/C 7 -12.952 -19.918 1470.93130 -50.8	AZN 12.5 11.6 MS AZN 11.6 MS AZN 12.5 11.6 MS	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.1 38.9 TAB NO  SEC TO IMPACT 613.550  AZSUN AZA -80.6 36.5 -80.1 38.9 TAB NO	ALT 1379-74292 Ae 14-67161 14-46577 14-76114 14-89820 14-58873 14-46577 11 ALT 1346-34720 Ae 14-13333 14-42243 14-55622 14-25340 14-13333 12 ALT 1319-55328 Ae 14-06357	LAT LON -4.866 -32.623  8/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -4.968 -32.447  B/A AZPHAZ INCO 0.823 -89.9 68.8 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -4.968 -32.447  B/A AZPHAZ INCO 0.823 -89.9 68.8 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -5.040 -32.302  B/A AZPHAZ INCO 0.823 -89.9 69.6	R 3115.198; PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6 40.7 32.1 11  R 3081.802; PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 2 40.7 33.7 40.7 32.2 12  R 3055.009; PHAZ EMIS AI 3055.009; PHAZ EMIS AI 3055.009;	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 28.6 0. 1- 2 26.3 38.90240 2- 3 30.9 66.09094 3- 4 30.9 35.31099 4- 5 26.3 33.10953 6- 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1- 2 26.4 38.02606 2- 3 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59790 3- 6 26.4 52.64984 5- 6 26.4 32.34576 6- 7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.158 116.584  LPHA SCALE PT-PT
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 810  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.807 -17.735 1501.09039 -54.8 5 -13.911 -17.448 1514.95166 -52.1 6 -13.994 -19.406 1883.49316 -46.0 7 -12.952 -19.918 1470.93130 -50.8  JULY 31,1964 13 HR 15 MIN 35 SEC 249  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE -52.1 6 -13.916 -13.94 -19.660 1883.49316 -46.0 7 -12.952 -19.918 1470.93130 -50.8  HUTO DATA  PHOTO DATA	AZN 12.5 11.6 13.4 12.5 11.6 13.4 12.5 11.6 13.4 12.5 11.6 MS	SFC. TO IMPACT 643.789  AZSUN AZA -80.5 38.5 -80.1 39.0  -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9  TAB NO  SEC TO IMPACT 613.550  AZSUN AZA -80.6 38.4 -80.1 38.9	ALT 1379-74292 A. 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 A. 14.33474 14.13333 14.42243 14.55622 14.25340 14.13333 12 ALT 1319-55328 A. 1319-55328	LAT LON -4.860 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 68.7 0.847 -86.6 68.4  ATLAS PHOTO NO  LAT LUN -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -5.040 -32.302  B/A AZPHAZ INCO 0.823 -89.9 68.4  ATLAS PHOTO NO  LAT LON -5.040 -32.302  B/A AZPHAZ INCO 0.823 -89.9 68.6  ATLAS PHOTO NO  LAT LON -5.040 -32.302	R 3115.198; PHAZ EMIS AI 39.6 34.6 (40.7 32.1 38.5 35.7 38.5 37.2 (40.7 33.6 40.7 33.6 40.7 32.2 38.5 37.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 35.7 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 38.5 37.2 40.7 32.2 32.2 32.2 32.2 32.2 32.2 32.2 32	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 28.6 0. 1- 2 26.3 38.90240 2- 3 30.9 66.09094 3- 4 30.9 35.31099 4- 5 26.3 37.17022 5- 6 26.3 33.10953 6- 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1- 2 26.4 38.02606 2- 3 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59790 6- 7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.158 116.584  LPHA SCALE PT-PT 28.7 0. 1- 2 28.5 37.31739 2- 3
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE 2-13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 610  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.54356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.952 -19.918 1470.93130 -50.8  JULY 31,1964 13 HR 15 MIN 35 SEC 249  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE -52.1 6 -13.994 -19.600 1483.49316 -46.0 7 -12.952 -19.918 1470.93130 -50.8  JULY 31,1964 13 HR 15 MIN 35 SEC 249  TRAJECTORY DATA  PHOTO DATA  PHO	AZN 12.5 11.6 MS AZN 11.6 MS AZN 12.5 11.6 MS	AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9 -80.1 38.9 TAB NO  SEC TO IMPACT 613.550  AZSUN AZA -80.6 36.5 -80.1 38.9 TAB NO	ALT 1379-74292 A. 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 A. 14.13333 14.42243 14.55622 14.25340 14.13333 12 ALT 1319-55928 A. 14.14373 14.14975 14.14975 14.14975 14.14975 14.128087	LAT LON -4.860 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 68.4  ATLAS PHOTO NO  LAT LUN -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LUN -5.040 -32.302  B/A AZPHAZ INCO 0.823 -69.9 68.4  ATLAS PHOTO NO  LAT UN -5.040 -32.302  B/A AZPHAZ INCO 0.823 -89.9 68.4  ATLAS PHOTO NO  LAT UN -5.040 -32.302	R 3115.198: PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 37.2 40.7 33.6 40.7 32.1  11  R 3081.802: PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 32.2 40.7 33.7 40.7 32.2 12  R 3055.009: PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 32.2 40.7 33.7 40.7 32.2 38.5 35.7 32.2 40.7 33.7 40.7 32.2 38.5 35.7 32.2 40.7 33.7 40.7 32.2 38.5 35.7 32.2 40.7 33.7 40.7 32.2 38.5 35.7 38.5 35.7 38.5 35.7 38.5 35.7 38.5 35.7 38.5 35.7 38.5 35.7	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 28.6 0. 1- 2 26.3 38.90240 2- 3 30.9 66.09094 3- 4 30.9 35.31099 4- 5 26.3 33.10953 6- 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1- 2 26.4 38.02606 2- 3 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59790 3- 4 30.9 64.59790 3- 6 26.4 52.64984 5- 6 26.4 32.34576 6- 7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.158 116.584  LPHA SCALE PT-PT
PHOTO DATA  PHOTO DATA  PT LAT 10N RANGE AZS/C 2 -13.443 -18.736 1526.59445 -51.5 3 -12.977 -19.966 1505.53021 -50.7 4 -12.829 -17.732 1536.34369 -54.9 5 -13.959 -17.438 1550.54430 -52.1 6 -14.044 -19.722 1518.39473 -47.9 7 -12.977 -19.966 1505.53021 -50.7  JULY 31,1964 13 HR 15 MIN 21 SEC 810  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 2 -13.407 -18.716 1491.4356 -51.5 3 -12.952 -19.918 1470.93130 -50.8 4 -12.807 -17.735 1501.09039 -54.9 5 -13.911 -17.448 1514.95166 -52.1 6 -13.994 -19.686 183.49316 -48.0 7 -12.952 -19.918 1470.93130 -50.8  JULY 31,1964 13 HR 15 MIN 35 SEC 249  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE -48.0 7 -12.952 -19.918 1470.93130 -50.8  JULY 31,1964 13 HR 15 MIN 35 SEC 249  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE -51.6 3 -12.929 -19.883 1443.08571 -50.8 4 -12.787 -17.741 472.71059 -51.6	AZN 12.5 11.6 MS AZN 12.5 11.6 MS AZN 12.5 11.6 12.6 13.4 12.5 11.6 12.6 13.4 12.6 12.6 12.6 13.4 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6	SEC TO IMPACT 643.789  AZSUN AZA -80.5 38.5 -80.1 39.0 -80.6 36.6 -81.1 38.2 -80.4 40.5 -80.1 39.0  TAB NO  SEC TO IMPACT 626.990  AZSUN AZA -80.6 38.5 -80.1 38.9  TAB NO  SEC TO IMPACT 613.550  AZSUN AZA -80.6 38.4 -80.6 38.4 -80.1 38.9	ALT 1379.74292 Ae 14.67161 14.46577 14.76114 14.89820 14.58873 14.46577 11 ALT 1346.34720 14.13333 14.42243 14.55622 14.25340 14.13333 12 ALT 1319.55328 ALT 1319.55328 14.06357 13.86578 14.14975	LAT LON -4.660 -32.623  B/A AZPHAZ INCO 0.823 -89.2 69.6 0.847 -86.6 68.4 0.813 -88.4 70.5 0.797 -89.9 70.9 0.833 -89.9 68.7 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -4.968 -32.447  B/A AZPHAZ INCO 0.823 -69.2 69.6 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -5.040 -32.302  b/A AZPHAZ INCO 0.823 -89.9 68.8 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -5.040 -32.302  b/A AZPHAZ INCO 0.823 -89.9 68.6 0.847 -88.6 68.4  ATLAS PHOTO NO  LAT LON -5.040 -32.302  b/A AZPHAZ INCO 0.823 -89.9 68.6 0.847 -88.6 68.4  O.8032 -89.9 68.6 0.804 -80.6 68.4 0.803 -89.9 68.6 0.804 -80.6 68.4 0.803 -89.9 68.6 0.804 -80.6 68.4 0.803 -89.9 68.8	R 3115.198; PHAZ EMIS AI 39.6 34.6 40.7 32.1 38.5 35.7 38.5 37.2 40.7 33.6 12.1 11  R 3081.802: PHAZ EMIS AI 39.6 34.6 40.7 32.2 38.5 35.7 38.5 37.2 40.7 32.2 12  PHAZ EMIS AI 39.5 34.6 40.7 32.2 38.5 35.7 38.6 34.6 40.7 32.2 38.5 35.7 38.6 33.5 40.7 32.2 38.5 35.7 38.6 33.7 40.7 32.2 38.5 35.7 38.6 33.7 40.6 30.7 40.6 30.7 40.7 40.7 40.7 40.7 40.7 40.7	V PTH AZ 2-082 -72.394 116.625  LPHA SCALE PT-PT 26.3 38.00240 2-3 30.9 66.09094 3-4 30.9 35.31099 4-5 26.3 37.17022 5-6 26.3 33.10953 6-7  POD SEQUENCE NO 233  V PTH AZ 2-091 -72.264 116.602  LPHA SCALE PT-PT 28.6 0. 1-2 26.4 38.02606 2-3 30.9 64.59790 3-4 30.9 34.49527 4-5 26.4 32.34576 6-7  POD SEQUENCE NO 249  V PTH AZ 2-097 -72.158 116.584  LPHA SCALE PT-PT 2.097 -72.158 116.584  LPHA SCALE PT-PT 2.097 -72.158 116.584  LPHA SCALE PT-PT 2.097 -72.158 116.584

		RA-VII CAMEKA	Pl			3
JULY 31,1964 13 HR 15 MIN 50 5	2M GAE 133	TAB NO	13	ATLAS PHOTO NO	13	POD SEQUENCE NO 267
	36C 300 m3	SEC TO IMPACT	AL T	LAT LON	R	V PTH AZ
TRAJECTORY DATA			1289.32639		3024.782	2.105 -72.037 116.562
	-10.9 11.6 -54.9 12.6 -52.3 13.3 -48.3 12.2	AZSUN AZA -80.6 38.3 -80.1 38.7 -80.6 36.5 -81.1 38.0 -80.5 40.2 -80.1 38.7	A* 13.75673 13.56308 13.84122 13.96925 13.67805 13.56308	0.413 -88.5 70.5 0.798 -89.9 70.9 0.832 -89.9 68.8		28.7 0. 1- 2 26.5 36.51268 2- 3 30.9 62.02709 3- 4 30.9 33.08879 4- 5 26.5 63.03059 5- 6 26.5 31.03003 6- 7
JULY 31,1964 13 HR 16 MIN 7	SL( 1.7 MS	TAB NO	14	ATLAS PHOTO NO	14	POD SEQUENCE NO 287
TRAJECTORY DATA	360 101 6.5	SEC TO IMPACT	ALT	LAT LUN	R	V PIH AZ
		581.632	1255.63544	-5.215 -31.950	2991.091	2.113 -71.900 116.538
3 -12.862 -19.809 1376.35941 4 -12.727 -17.766 1404.68715 5 -13.759 -17.498 1417.58708 6 -13.837 -19.587 1368.06328	AZSZC AZN -51.8 12.4 -51.0 11.6 -55.0 12.6 -52.3 13.3 -48.4 12.2 -51.0 11.6	-80.6 38.2 -80.2 38.6 -80.7 36.4 -81.1 37.9 -80.5 40.0	A* 13.41360 13.22465 13.49619 13.62070 13.33651 13.22465	C.823 -89.2 69.6 C.846 -88.6 68.5 C.813 -88.5 70.5 O.79H -89.9 70.8 C.832 -89.9 68.8	38.4 37.1	28.7 0. 1- 2 26.6 35.60926 2- 3 30.9 60.49640 3- 4 30.9 32.25056 4- 5 26.5 61.47041 5- 6
		TAB NO	15	ATLAS PHOTO NO	15	POD SEQUENCE NO 305
JULY 31+1964 13 HR 16 MIN 22	SEC 286 M2	SEC TO IMPACT	AL T	LAT LON	к	V PTH AZ
TRAJECTURY DATA		566-513		-5.301 -31.777		2.121 -71.775 116.515
PHUTO DATA PI LAT LON PANGE 2 -13.242 -10.083 1363.31505 3 -12.825 -19.782 1344.42233 4 -12.693 -17.786 1372.11148 5 -13.702 -17.526 1346.67699 6 -13.777 -17.526 1346.67699 7 -12.825 -19.782 1344.42233	-51.9 12.4 -51.1 11.6 -55.0 12.5 -52.4 13.3 -48.5 12.2	-80.2 38.5 -80.7 36.4 -81.1 37.8 -80.6 39.9	A* 13.10238 12.91778 13.18320 13.30449 13.02679 12.91778	0.846 -88.6 68.5 0.813 -88.5 70.5 0.796 -89.9 70.8 0.832 -89.9 68.8	PHAZ EMIS 39.5 34.6 40.6 32.3 38.4 35.6 38.4 37.0 40.6 33.7 40.6 32.3	28.7 0. 1- 2 26.6 34.78481 2- 3 30.9 59.10160 3- 4 30.9 31.48819 4- 5 26.6 60.04829 5- 6
		TAB NO	16	ATLAS PHOTO NO	16	POD SEQUENCE NO 319
JULY 31-1964 13 HR 16 MIN 34 TRAJECTORY MATA	5EU 45 MS	SEC TO IMPACT 554.754	AL [	LAT LUN 7 -5.369 -31.649	k 2936.949	V PTH AZ 0 2.128 -71.675 116.497
PHOTO DATA PT LAT LUN RANGE	AZSZĆ AZN		A+		PHAZ EMIS	ALPHA SCALE PT-PT
2 +13.203	-51.9 12.4 -51.2 11.6 -55.1 12.5 -52.5 13.2	-80.6 38.1 -80.2 36.4 -80.7 36.3		0.823 -89.2 69.6 0.846 -88.6 68.5	39.5 34.6 40.6 32.3 38.4 35.6	28.7 0. 1- 2 26.6 34.13783 2- 3 30.9 58.00868 3- 4
5 -13.654 -17.550 1558.92972 6 -13.728 -19.551 1550.61229 7 -12.794 -19.764 1319.44368		-60.6 19.8	13.05710 12.78452 12.67778	0.799 -89.9 70.8 0.832 -89.9 68.9	38.4 37.0 40.6 33.7 40.6 32.3	26.6 58.93370 5- 6
6 -13.728 -19.551 1350.61229 7 -12.794 -19.764 1319.44368	-48.6 12.7 -51.7 11.6	8.Pt 3.08-	13.05710 12.78452	0.799 -89.9 70.8 0.832 -89.9 68.9	40.6 33.1	26.6 58.93370 5- 6
6 -13.728 -19.551 1530.61229 7 -12.794 -19.764 1319.44368 JULY 31,1964 13 BB 16 MIN 45	-48.6 12.7 -51.7 11.6	-80.6 39.8 -80.2 38.4 TAB NO	13.05710 12.78452 12.67778	C.799 -69.9 70.6 0.832 -89.9 68.9 C.846 -88.6 68.5 ATLAS PHOTO NO	40.6 33.7 40.6 32.3	26.6 58.93370 5- 6 26.6 28.97514 6- 7 POD SEQUENCE NO 333
6 -13.728 -19.551 1330.61229 7 -12.794 -19.764 1319.44368 JULY 31.1964 13 BB 16 MIN 45 TRAJECTORY DATA	-48.6 12.7 -51.7 11.6	-60.6 39.8 -60.2 35.4	13.05710 12.78452 12.67778 17	C.799 -69.9 70.8 0.832 -69.9 68.9 C.846 -88.6 68.5	40.6 33.7 40.6 32.3 17	26.6 58.93370 5- 6 26.6 28.97514 6- 7
6 -13.728 -19.551 1530.61229 7 -12.794 -19.764 1319.44368 JULY 31.1964 13 BB 16 MIN 45	-48.6 12.7 -51.7 11.6 SEC 805 MS AZS/C AZ1 -52.0 12 -51.3 11 -55.1 12 -52.6 13 -48.7 12.	FRO 6 39.8 -80.2 38.4 TAB NO SEC TC IMPACT 542.995 ( AZSUR A7A -90.7 38.0 -80.7 38.3 -81.2 37.7 -80.6 29.7	13.05710 12.78452 12.67778 17 ALT 1177-7134 A- 12.61434 12.43666 12.69234 12.89452	C.799 -B9.9 70.F 0.832 -B9.9 68.9 C.846 -B8.6 68.5 ATLAS PHOTO NO LAI LON 4 -5.438 -31.501 BAA AZPHAZ INCE C.824 -B9.2 69.6 C.824 -B8.5 70.4 C.999 -B9.9 70.8 C.833 -99.9 68.5	40.6 33.7 40.6 32.3 17	26.6 58.93370 5- 6 26.6 28.97514 6- 7  POD SEQUENCE NO 333  V PTH AZ 2.134 -71.575 116.479  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.7 33.48636 2- 3 30.9 36.90925 3- 4 30.9 30.29912 4- 2 26.6 57.81235 5- 6
6 -13.728 -19.591 1230.61229 7 -12.794 -19.764 1319.44368  JULY 31,1964 13 BE 16 MIN 45  IRAJECTORY DATA  PHOTE BATA PI LAT LON RANGE 2 -13.162 -14.690 1312.53345 3 -12.761 -19.747 1294.44056 4 -12.634 -17.827 1221.02615 5 -13.604 -17.77 1234.0832 6 -13.617 -19.539 1395.27844 7 -12.761 -19.747 1294.34956	-48.6 12.7 -51.7 11.6 SEC 805 MS -52.0 12 -53.1 12 -55.1 12 -48.7 12 -51.3 11.7	FRO 6 39.8 -80.2 38.4 TAB NO SEC TC IMPACT 542.995 ( AZSUR A7A -90.7 38.0 -80.7 38.3 -81.2 37.7 -80.6 29.7	12.0-710 12.78452 12.6778 17 ALT 1177-7134 A- 12.61434 12.43666 12.9928 12.54112 12.43666	C.799 -B9.9 70.F 0.832 -B9.9 68.9 C.846 -B8.6 68.5 ATLAS PHOTO NO LAI LON 4 -5.438 -31.501 BAA AZPHAZ INCE C.824 -B9.2 69.6 C.824 -B8.5 70.4 C.999 -B9.9 70.8 C.833 -99.9 68.5	40.6 33.7 40.6 32.3 17 2913.16 2913.16 39.5 74.6 40.6 32.3 38.4 35.6 38.4 35.6 38.4 35.6	26.6 58.93370 5- 6 26.6 28.97514 6- 7  POD SEQUENCE NO 333  V PTH AZ 2.134 -71.575 116.479  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.7 33.48636 2- 3 30.9 36.90925 3- 4 30.9 30.29912 4- 2 26.6 57.81235 5- 6
6 - 13.728 - 19.591 1230.61229 7 - 12.794 - 19.764 1319.44368  JULY 31.1964 13 DE 16 MIN 45  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 2 - 13.162 - 16.690 1312.53445 3 - 12.761 - 19.741 1994.34956 4 - 12.034 - 17.026 12.12.02015 5 - 13.604 - 17.026 12.12.02015 5 - 13.604 - 17.026 12.12.02017 7 - 12.761 - 19.539 1395.27044 7 - 12.761 - 19.741 1294.34956	-48.6 12.7 -51.7 11.6 SEC 805 MS -52.0 12 -53.1 12 -55.1 12 -48.7 12 -51.3 11.7	FRO & J9 & B -80 & J9 & J	12.05710 12.78452 12.67778 17 ALT 1177-7134 A- 12.61434 12.43666 12.0928 12.80852 12.43666	C.799 -B9.9 70.P 0.832 -89.9 68.9 C.846 -BH.6 68.5  ATLAS PHOTO NO  LAI LON 4 -5.438 -31.501  H/A AZPHAZ INCL C.124 -89.2 69.6 C.846 -88.6 68.6 C.847 -89.9 68.6 C.848 -89.9 68.6 C.846 -88.6 68.6 ATLAS PHOTO NO	40.6 33.7 40.6 32.3 17 R 2913.16 5 PHA/ LMIS 5 39.5 74.6 40.6 32.3 3 38.4 36.9 9 40.6 33.7 40.6 32.3	26.6 58.93370 5- 6 26.0 28.97514 6- 7 POD SEQUENCE NO 333  V PTH AZ 2.134 -71.575 116.479 ALPHA SCALL PT-PT 28.7 0. 1- 2 26.7 33.48636 2- 3 30.9 30.28912 4- 5 26.6 57.81235 5- 6 26.7 28.41322 6- 7 POD SEQUENCE NO 353
6 - 13.728 - 19.551 1230.61229 7 - 12.794 - 19.764 1319.44378  JULY 31.1964 13 BE 16 MIN 45  TRAJECTORY DATA  PHOTO BAIA PI LAT LON RANGE 2 - 13.162 - 16.690 1312.53345 3 - 17.761 - 19.747 1294.44056 4 - 12.334 - 17.020 1 221.02015 5 - 13.604 - 17.77 1254.0205 6 - 13.677 - 19.539 1395.27844 7 - 12.761 - 19.747 1294.34956	-48.6 12.7 -51.7 11.6 SEC 805 MS -52.0 12 -53.1 12 -55.1 12 -48.7 12 -51.3 11.7	542.945  AZSU4 AZSU5 56.45  -80.7 16.3  -80.7 16.3  -80.2 36.4  -80.2 36.4	12.0-71/n 12.78452 12.6778 17 ALT 1177-7134 A* 12.61434 12.43666 12.9923H 12.43666 12.43666 12.43666	C.799 -h9.9 70.4 0.832 -9.9 68.9 C.84c -88.6 68.5 ATLAS PHOTO NO LAI 10N 4 -5.438 -31.501 H/A AZPHAZ INCE C.824 -49.2 69.6 C.84c -88.6 68.6 0.84c -88.6 68.6 0.84c -88.6 68.6 0.84c -88.6 68.6	40.6 33.7 40.6 32.3 17 2913.16 PHA7 LMIS 39.5 74.6 40.6 32.3 38.4 35.9 3 44.6 32.3 18.4 35.9 4 40.6 32.3	26.6 58.93370 5- 6 26.6 28.97514 6- 7  POD SEQUENCE NO 333  V PTH AZ 2.134 -71.575 116.479  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.7 33.48636 2- 3 30.9 56.90925 3- 4 30.9 56.90925 3- 4 26.6 57.81235 5- 6 26.7 28.4132£ 6- 7

		RA-VII CAMER	4 11			4
		TAB NO	19	ATLAS PHOTO NO	19 POD	SECUENCE NO. 250 -
JULY 31,1964 13 HR 17 MIN 16	SEC 43 MS	IAB NO	19	AILAS PROID NO	19 100	SEQUENCE NO 369
TRAJECTORY DATA  PHOTC DATA PT LAT LON RANGE 2 -13.956 -18.723 1246.40115 3 -12.676 -19.727 1229.16937 4 -12.555 -17.903 1254.47270 5 -13.476 -17.668 1265.80801 6 -13.545 -19.530 1239.47604.		SEC TO IMPACT	ALT	LAT LON 2 -5.621 -31.132	R V	PTH AZ
PHOTO DATA			1110127012			
PI LAT LGN RANGE 2 -13-056 -18-723 1246-40115	AZS/C AZN -52.2 12.3	AZSUN AZA	A+ 11.97876	8/A AZPHAZ INCD 0.825 -89.2 69.6	PHAZ EMIS ALPHA	SCALE PT-PT
3 -12.676 -19.727 1229.16937	-51.5 11.5	-60.3 38.2	11.81038	0.846 -88.6 68.6	40.6 32.2 26.7	7 31-77992 2- 3
4 -12.555 -17.903 1254.47270	-55.2 12.4	-80.7 36.2	12.05294	0.815 -88.5 70.3 0.801 -89.9 70.7	38.4 35.5 30.6	3 54.02870 3- 4
6 -13.545 -19.530 1239.47604.	-52.7 13.1 -49.0 12.1	-81.2 37.5 -80.7 39.5	12.16235	0.801 -89.9 70.7 .0.83389.9 .68.9	38.4 36.8 30.6 40.6 33.6 26.6	
7 -12.676 -19.727 1229.16937	-51.5 11.5	-80.3 38.2	11.81038	0.846 -88.6 68.6	40.6 32.2 26.7	
		TAB NO	20	ATLAS PHOTO NO	20 POD	SEQUENCE NO 383
JULY 31,1964 13 HR 17 MIN 27	SEC 802 MS					
TRAJECTORY DATA		SEC IU IMPACI	ALT	LAT LON	R V	PTH AZ
PHOTG DATA						
PT LAT LCN RANGE 2 -13.015 -18.738 1220.53470	AZS/C AZN	AZSUN AZA	A+	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
						7 0. 1-2 7 31.11311 2-3
			11.80282	0.815 -88.5 70.3	38.4.35.4 30.1	52,90190 3-4
5 -13.426 -17.705 1239.50690 6 -13.494 -19.528 1213.74069	-52.8 13.0	-81.2 37.5	11.90964	0.802 -89.9 10.6	38-4 46-7 30-7	28.11671 4- 5
7 -12.643 -19.719 1203.67419	-49.1 12.0 -51.6 11.5	-80.7 39.4 -80.3 38.1	11.56541	0.834 -89.9 68.9 0.846 -88.6 68.6	40.6 33.5 26.6	5 53.72514 5- 6 7 26.38474 6- 7
JULY 31,1964 13 HR 17 MIN 41.	SEC. 241 .MS .	TAB NO	21	ATLAS PHOTO NO		SEOUENCE NO 399
TRAJECTORY DATA		SEC TO IMPACT	AL T	LAT LON	R V	PTH AZ
PHOTO DATA			1064.81424	-5.779 -30.812	2800.270 2.16	66 -71.078 116.388
PT LAT LCN RANGE	AZS/C AZN	AZSUN AZA	Δ.	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12,969 -14,760 1190,78410	-57.3 12.2	-80 7 27 7	11,44424	0.825 -89.2 69.5	39.5 34.4 28.7	7 0 • 1- 2
3 -12.605 -19.718 1174.35713 4 -12.491 -17.976 1198.49113	-51.6 11.5	-80.3 38.0 -80.7 36.1	11.28372	0.847 -88.6 68.6	40.6 32.2 26.7	7 30.34271 2-3
5 -13.369 -17.754 1209.25017	-52.8 13.0	-81.2 37.4	11.61893		38.4 35.3 30.7 38.4 36.6 30.7	
6 -13.435 -19.531 1184.14874	-49.1 12.0	-80.7 39.3	11.37731	0.834 -89.9 68.9	40.6 33.5 26.6	
7 -12.605 -19.718 1174.35713		-80.3 38.0	11.28372	0.847 -88.6 68.6	40.6 32.2 26.7	25.73050 6- 7
JULY 31,1964 13 HR 17 MIN 53	SEC 1 MS	TAB NO	22	ATLAS PHOTO NO	22 POD	SEQUENCE NO 413
		SEC TO IMPACE		LAT LON	B W	074 47
JULY 31,1964 13 HR 17 MIN 53 TRAJECTORY DATA		SEC TO IMPACE	ALT 1040.69305	LAT LON 5 -5-854 -30-659	R V	PTH AZ
JULY 31,1964 13 HR 17 MIN 53 TRAJECTORY DATA	SEC 1 MS	SEC TO IMPACT 475.799	ALT 1040.69305	LAT LON 5 -5-854 -30-659	R V	PTH AZ
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LON PANGE 2 -12.927 -18.780 1164,66789	SEC 1 MS  AZS/C AZN -52.3 12.2	SEC TO IMPACT 475.799 AZSUN AZA -80.7 37.7	ALT 1040.69305  A* 11.19325	LAT LON 5 -5.854 -30.659 B/A AZPHAZ INCD 0.826 -89.2 69.5	R V	PTH AZ 73 -70.969 116.368  SCALE PT-PT 0 0. 1-2
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LON PANGE 2 -12,927 -18,780 1164,66789 3 -12,572 -19,716 1148,01967	AZS/C AZN -52.3 12.2	SEC TO IMPACT 475.799 AZSUN AZA -80.7 37.7	ALT 1040.69305 A* 11.19325 11.03643	LAT LON 5 -5.854 -30.659 B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6	R V 2776.148 2.11 PHAZ EMIS ALPHH 39.5 34.3 28.6 40.7 32.1 26.7	PTH AZ 73 -70.969 116.366 A SCALE PT-PT 0 0. 1-2 7 29.66737 2-3
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -11.796 1182.69746	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3	SEC TO IMPACT 475.799 AZSUN AZA -80.7 37.7 -80.3 38.0 -80.7 36.1	ALT 1040.69305 11.19325 11.03643 11.26249	LAT LON 5 -5.854 -30.659 B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -88.4 70.2	R 2776.148 2.11 PHAZ EMIS ALPHA 39.5 34.3 28.6 40.7 32.1 26.1 38.5 35.3 30.3	PTH AZ 73 -70.969 116.366 A SCALE PT-PT 0 0. 1-2 7 29.66737 2-3
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.706 1182.69246 6 -13.384 -19.534 1158.17126	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -62.8 12.9	SEC TO IMPACT 475.799  AZSUN AZA -80.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4	ALT 1040.69305 A* 11.19325 11.03643	LAT LON 5 -5.854 -30.659 B/A AZPHAZ INCD 0.826 -89.2 69.5 0.827 -88.6 68.6 0.816 -88.4 70.2 0.803 -89.9 70.5	R V 2776.148 2.17 PHAZ EMIS ALPHA 39.5 34.3 28.4 40.7 32.1 26.3 38.5 35.3 30.3 38.4 36.6 30.6	PTH AZ 73 -70.969 116.366  SCALE PT-PT 0. 1-2 29.66737 2-3 50.45724 3-4 26.80167 4-5
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANGE 2 -12-927 -18.780 1164.66789 3 -12-572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69246	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -62.8 12.9	SEC TO IMPACT 475.799  AZSUN AZA -80.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4	ALT 1040.69305 A* 11.19325 11.03643 11.26249 11.36375	LAT LON 5 -5.854 -30.659 B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -86.4 70.2 0.803 -89.9 70.5 0.835 -89.9 68.8	R V 2776.148 2.17 PHAZ EMIS ALPHA 39.5 34.3 28.4 40.7 32.1 26.3 38.5 35.3 30.3 38.4 36.6 30.6	PTH AZ 73 -70.969 110.366  SCALE PT-PT 0 1-2 7 50.45724 3-4 6 26.80167 4-5 5 51.2328 5-6
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.706 1182.69246 6 -13.384 -19.534 1158.17126 7 -12.572 -19.716 1148.61967	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -59.3 12.3 -72.8 12.9 -49.2 11.9 -51.7 11.4	SEC TO IMPACT 475.799  AZSUN AZA -80.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772	LAT LON 5 -5.854 -30.659 B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -86.4 70.2 0.803 -89.9 70.5 0.835 -89.9 68.8	R V 2776.148 2.11 PHAZ EMIS ALPHA 39.5 34.3 28.4 40.7 32.1 26.1 38.5 35.3 30.3 38.4 36.6 30.4 40.6 33.5 26.4 40.7 32.1 26.1	PTH AZ 73 -70.969 110.366  SCALE PT-PT 0 1-2 7 50.45724 3-4 6 26.80167 4-5 5 51.2328 5-6
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69246 6 -13.384 -19.534 1158.17126 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -59.3 12.3 -72.8 12.9 -49.2 11.9 -51.7 11.4	SEC TO IMPACT 475.799  AZSUN AZA -80.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4 -80.7 39.2 -80.3 38.0	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772 11.03643	LAY LON 5-5.854 -30.659  B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 68.6 0.816 -88.4 70.5 0.815 -89.9 68.8 68.6 68.6 68.6 68.6 68.6 68.6	R V 2776.148 2.11 PHAZ EMIS ALPHA 39.5 34.3 28.4 40.7 32.1 26.1 38.5 35.3 30.3 38.4 36.6 30.4 40.6 33.5 26.4 40.7 32.1 26.1	PTH AZ 73 -70.969 110.366  SCALE PT-PT 0 0. 1-2 7 50.45724 3-4 6 26.80167 4-5 6 51.2328 5-6 7 55.152328 6-7
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69246 6 -13.384 -19.534 1158.17126 7 -12.572 -19.716 1148.61967	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -59.3 12.3 -72.8 12.9 -49.2 11.9 -51.7 11.4	SEC TO IMPACT 475.799  AZSUN AZA -80.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4 -80.3 38.0  TAB NO	ALT 1040.69305 A. 11.19325 11.03643 11.26249 11.36375 11.12772 11.03643 23	LAT LON 5 -5.854 -30.659  B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -88.4 70.2 0.803 -89.9 70.5 0.835 -89.9 68.8 0.847 -88.6 68.6  ATLAS PHOTO NO	R V V 2776.148 2.11 PHAZ EMIS A 14.3 28.6 40.7 32.1 26.7 38.5 35.3 30.6 40.6 33.5 26.6 40.7 32.1 26.7 23 POD	PTH AZ  73 -70.969 116.366  3 SCALE PT-PT  7 29.66737 2-3  7 29.66737 2-3  7 26.80167 4-5  5 12.3283 5-6  7 25.15669 6-7  SEQUENCE NO 425
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANCE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69246 6 -13.384 -19.534 1158.17126. 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTO DATA	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.8 12.3 -52.8 12.3 -52.8 12.3 -52.8 12.3 -51.7 11.4	SEC TO IMPACT 475.799  AZSUN AZA 68-60.7 37.7-80.3 38.0 -80.7 36.1 -81.2 37.4 -80.3 38.0  TAB NO  SEC TO IMPACT 465.719	ALT 1040.69305 A. 11.19325 11.03643 11.26249 11.36375 11.12772 11.03643 23	LAT LON 5 -5.854 -30.659 B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -88.4 70.5 0.816 -88.4 70.5 0.803 -89.9 70.5 0.835 -89.9 68.6 ATLAS PHOTO NO	R V V 2776.148 2.11 PHAZ EMIS A 14.3 28.6 40.7 32.1 26.7 38.5 35.3 30.6 40.6 33.5 26.6 40.7 32.1 26.7 23 POD	PTH AZ  73 -70.969 116.366  3 SCALE PT-PT  7 29.66737 2-3  7 29.66737 2-3  7 26.80167 4-5  5 12.3283 5-6  7 25.15669 6-7  SEQUENCE NO 425
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69246 6 -13.384 -19.534 1158.17126. 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTO DATA PH LAT LON KANGE	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.8 12.9 -49.2 11.9 -51.7 11.4 SEC 80 MS	SEC TO IMPACT 475.799  AZSUN AZA 7.7-80.3 38.0 -80.7 37.1-81.2 37.4 -80.3 38.0  TAB NO  SEC TO IMPACT 465.719	ALT 1040.69305 A. 11.19325 11.03643 11.26249 11.36375 11.12772 11.03643 23	LAT LON 5-5-854 -30.659  B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -88.4 70.5 0.835 -88.9 96.5 0.847 -88.6 68.6  ATLAS PHOTO NO  LAT LCN 7-5-920 -30.525 B/A AZPHAZ INCO	R V V 2776.148 2.17 PHAZ EMIS ALPHI 93.5 34.5 34.3 28.6 40.7 32.1 26.1 23 POD  R V 2755.423 2.17 PHAZ EMIS ALPHI	PTH AZ 73 -70.969 110.366  SCALE PT-PT 0. 1-2 7 29.66737 2-3 7 50.45724 3-4 62 26.80167 4-5 65 51.23283 5-6 7 25.15669 6-7  SEQUENCE NO 425  PTH AZ 79 -70.873 116.350
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69226 6 -13.384 -19.534 1158.17126. 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA  PT LAT LON KANGE 2 -12.891 -18.797 1142.19429 3 -12.563 -19.715 1126.47246	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.8 12.9 -51.7 11.4 SEC 80 MS -52.4 12.1	SEC TO IMPACT 475.799  AZSUN AZA -80.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4 -80.3 38.0  TAB NO  SEC TO IMPACT 465.719  AZSUN AZA -80.8 37.6	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772 11.03643 23 ALT 1019.96777	LAT LON 5 -5.854 -30.659  B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -86.4 70.2 0.803 -89.9 70.5 0.835 -89.9 68.8 ATLAS PHOTO NO  LAT LCN 1 -5.920 -30.525 B/A AZPHAZ INCD 0.826 -89.2 69.5	R V 2776.148 2.17 PHAZ EMIS A L914 40.7 32.1 26.7 38.4 36.6 30.6 40.6 33.5 26.6 40.7 32.1 26.7 23 POD  R V 2755.423 2.17 PHAZ EMIS A L9PH 39.6 34.3 28.6	PTH AZ 73 -70.969 110.366  SCALE PT-PT 0. 1-2 7 29.66737 2-3 7 50.45724 3-4 62 26.80167 4-5 65 51.23283 5-6 7 25.15669 6-7  SEQUENCE NO 425  PTH AZ 79 -70.873 116.350
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JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.706 1124.69246 6 -13.384 -19.534 1158.17126 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA  PT LAT LON KANGE 2 -12.891 -18.797 1142.19429 3 -12.543 -19.715 1126.47246 4 -12.433 -14.046 1149.57935 5 -13.275 -17.834 1159.83905 6 -13.339 -19.537 1135.81723 7 -12.543 -19.715 1126.47246  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA  PHOTO DATA	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.8 12.3 -52.8 12.3 -51.7 11.4 SEC 80 MS -425/C AZN -52.4 12.1 -51.7 11.4 -55.3 12.3 -52.9 12.9 -49.3 11.9 -51.7 11.4 SEC 519 MS	SEC TO IMPACI 475.799  AZSUN AZA 7.7-80.3 38.0 -80.7 36.1 -81.2 37.4 -80.3 38.0  TAB NO  SEC TO IMPACT 465.719  AZSUN AZA -80.8 37.6 -90.4 37.9 -80.8 37.6 -80.8 37.6 -80.4 37.9 -80.8 37.9  TAB NO  SEC TO IMPACT 452.280	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772 11.03643 23 ALT 1019.967772 6.0.82363 11.04514 11.14417 10.91294 10.82363 24 ALT 992.26181	LAT LON 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -88.4 70.2 0.803 -89.9 70.5 0.835 -89.9 68.8 0.847 -88.6 68.6  ATLAS PHOTO NO  LAT LCN 0.826 -89.2 69.5 0.847 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.9 0.80.8 0.847 -88.6 68.6 0.817 -88.9 0.80.8 0.847 -88.6 68.6	R V V 2776.148 2.11 PHA2 EMIS ALPHI 30.5 30.6 30.6 40.7 32.1 26.1 26.1 23 POD  R 2755.423 2.11 PHAZ EMIS ALPHI 39.6 34.3 28.6 40.7 32.1 26.1 39.6 30.6 30.6 40.7 32.1 26.1 26.1 24 POD  R 2755.423 2.11 PHAZ EMIS ALPHI 39.6 34.3 28.5 30.6 40.7 32.1 26.1 38.5 35.2 30.6 40.7 32.1 26.1 26.1 24 POD  R 2727.717 2.16	PTH AZ  73 -70.969 116.366  3 SCALE PT-PT  10 0. 1-2  7 29.66737 2-3  7 50.45724 3-4  5 26.80167 4-5  5 51.2328 5-6  7 25.15669 6-7  SEQUENCE NO 425  PTH AZ  79 -70.873 116.350  A SCALE PT-PT  10 0. 1-2  7 29.08599 2-3  10 49.47436 3-4  10 50.23102 5-6  10 24.66287 6-7  SEQUENCE NO 441  PTH AZ  10 -70.743 116.325
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANGE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1124.69246 6 -13.384 -19.534 1158.17126 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 2 -12.891 -18.797 1142.19429 3 -12.543 -19.715 1126.47246 4 -12.433 -18.046 1149.57935 5 -13.275 -17.834 1159.83905 6 -13.339 -19.537 1135.81723 7 -12.543 -19.715 1126.47246  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA PHOTO DATA	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.8 12.9 -52.8 12.9 -51.7 11.4 SEC 80 MS -52.4 12.1 -51.7 12.1 -51.7 12.1 -51.7 11.4 SEC 519 MS	SEC TO IMPACT 475.799  AZSUN AZA 6.80.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4 -80.7 39.2 -80.3 38.0  TAB NO  SEC TO IMPACT 465.719  AZSUN AZA 7.9 -80.4 37.9 -80.7 36.1 -80.8 37.6 -80.4 37.9  TAB NO  SEC TO IMPACT 452.280  AZSUN AZA 7.9 TAB NO	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772 23 ALT 1019.96777 A. 1C.97726 -1C.82363 11.04514 11.14417 1C.91294 10.82363 24	LAT LON 5-5-854 -30.659  B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -88.4 70.2 0.803 -89.9 70.5 0.845 -89.9 68.8 0.847 -88.6 68.6  ATLAS PHOTO NO  LAT LCN 7-5-920 -30.525  B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6  ATLAS PHOTO NO  LAT LCN 0.826 -89.2 69.5 0.847 -88.6 68.6 0.817 -88.6 68.6  ATLAS PHOTO NO  LAT LON 1.6.010 -30.344  B/A AZPHAZ INCD	R V V 2776.148 2.17 PHAZ EMIS ALPHA 28.64 0.7 32.1 26.1 23 POD  R V 2755.423 2.17 PHAZ EMIS ALPHA 39.6 34.3 28.6 40.7 32.1 26.1 38.4 36.5 30.6 38.4 36.5 30.6 38.4 36.5 30.6 38.4 36.5 30.6 38.4 36.5 30.6 38.4 36.5 30.6 24 POD  R V 2727.717 2.18 PHAZ EMIS ALPHA 2 PHAZ EMIS ALPHA 2 PMIS ALPHA	PTH AZ  73 -70.969 116.366  3 SCALE PT-PT  70 0. 1-2  72 9.66737 2-3  75 0.45724 3-4  75 26.80167 4-5  75 51.23283 5-6  75 51.23283 5-6  75 51.23283 3-16  75 51.23283 3-16  75 SEQUENCE NO 425  PTH AZ  79 -70.873 116.350  A SCALE PT-PT  70 0. 1-2  72 0.08599 2-3  72 49.47436 3-4  75 50.23102 5-6  72 4.66287 6-7  8 SEQUENCE NO 441  PTH AZ  77 -70.743 116.325
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANGE 2 -12.927 -18.780 1166.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.706 1182.69246 6 -13.384 -19.534 1158.17126. 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA PT LAT LON KANGE 2 -12.891 -18.797 1142.19429 3 -12.543 -19.715 1126.47246 4 -12.433 -18.046 1149.57935 5 -13.275 -17.834 1159.83905 6 -13.339 -19.537 1135.81723 7 -12.543 -19.715 1126.47246  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA  PHOTO DATA PHOTO PHOT	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.8 12.9 -49.2 11.9 -51.7 11.4 SEC 80 MS -52.4 12.1 -51.7 11.4 SEC 519 MS	SEC TO IMPACI 475-799  AZSUN AZA -80.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4 -80.8 37.6 -80.8 37.6 -80.8 37.6 -80.8 37.6 -80.8 37.9	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772 11.03643 23 ALT 1019.967772 6-10.82363 11.04514 11.14417 10.91294 10.82363 24 ALT 992.26181	LAT LON 5-5-854 -30-659  B/A AZPHAZ INCD 0.826 -59-2 69-5 0.847 -88-6 68-6 0.816 -88-4 70-2 0.803 -89-9 70-5 0.835 -89-9 68-6 0.847 -88-6 68-6  ATLAS PHOTO NO  LAT LCN -5-920 -30-525  B/A AZPHAZ INCD 0.826 -89-2 69-5 0.847 -88-6 68-6 0.817 -88-6 68-6 0.817 -88-6 68-6 0.817 -88-6 68-6 0.847 -88-6 68-6 0.847 -88-6 68-6 0.847 -88-6 68-6 0.847 -88-6 68-6 ATLAS PHOTO NO  LAT LON -6-CIO -30-344  B/A AZPHAZ INCD 0.927 -89-2 69-5	R V V V V V V V V V V V V V V V V V V V	PTH AZ  73 -70.969 116.366  3 SCALE PT-PT  70 0. 1-2  72 9.66737 2-3  75 0.45724 3-4  75 26.80167 4-5  75 51.23283 5-6  75 51.23283 5-6  75 51.23283 3-16  75 51.23283 3-16  75 SEQUENCE NO 425  PTH AZ  79 -70.873 116.350  A SCALE PT-PT  70 0. 1-2  72 0.08599 2-3  72 49.47436 3-4  75 50.23102 5-6  72 4.66287 6-7  8 SEQUENCE NO 441  PTH AZ  77 -70.743 116.325
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANCE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69246 6 -13.384 -19.534 1158.17126. 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA  PT LAT LON KANGE 2 -12.891 -18.797 1142.194.29 3 -12.543 -19.715 1126.47246 4 -12.433 -18.046 1149.57935 5 -13.275 -17.834 159.83905 6 -13.339 -19.537 1135.81723 7 -12.543 -19.715 1126.47246  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 2 -12.841 -18.823 1112.08360 3 -12.502 -19.716 1096.80164 4 -12.395 -16.022 1119.26880	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.8 12.3 -52.8 12.3 -51.7 11.4 SEC 80 MS -22.4 12.1 -51.7 11.4 -55.3 12.3 -52.9 12.3 -51.7 11.4 -55.3 12.3 -51.7 11.4 SEC 519 MS	SEC TO IMPACT 475.799  AZSUN AZA 6.0.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4 -80.7 39.2 -80.3 38.0  TAB NO  SEC TO IMPACT 465.719  AZSUN AZA 7.6 -80.4 37.9 -80.4 37.9  TAB NO  SEC TO IMPACT 452.280  TAB NO  SEC TO IMPACT 452.280  AZSUN AZA 7.6 -80.4 37.9 -80.4 37.	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772 23 ALT 1019.96777 10.82363 11.04514 11.14417 10.92363 24 ALT 92.26181 ALT 92.26181 10.68788 10.68788 10.68788 10.53853 10.75391	LAT LON 5-5-854 -30.659  B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -86.4 70.2 0.803 -89.9 70.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LCN -5-920 -30.525 B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LCN 0.826 -89.2 69.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LCN 0.826 -89.2 69.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LON -6-C10 -30.344  B/A AZPHAZ INCD 0.827 -89.6 68.6  ATLAS PHOTO NO  LAT LON -6-C10 -30.344  B/A AZPHAZ INCD 0.827 -89.2 69.5 0.848 -89.9 69.5 0.848 -89.9 69.6 0.848 -89.9 69.5 0.849 68.6 0.847 -88.6 68.6	R 2776.148 2.17 PHAZ EMIS A LPA 39.5 34.3 28.6 40.7 32.1 26.7 38.4 36.6 30.6 40.6 33.5 26.6 40.6 33.5 26.6 23 POD  R 2755.423 2.17 PHAZ EMIS ALPH 39.6 34.3 28.6 40.7 32.1 26.7 38.4 36.5 30.6 40.7 32.1 26.7 24 POD  R 2727.717 2.18 PHAZ EMIS ALPH 39.6 34.2 28.6 40.7 32.1 26.7 24 POD  R 2727.717 2.18 PHAZ EMIS ALPH 39.6 34.2 28.6 40.7 32.1 26.7 38.4 36.5 30.6 38.5 35.2 30.6 38.5 35.2 30.6 38.5 35.2 30.6 38.5 35.2 30.6	PTH AZ 73 -70.969 116.366  SCALE PT-PT 0. 1-2 7 50.45724 3-4 5 51.22283 5-6 7 55.152283 5-6 7 25.15669 6-7  SEQUENCE NO 425  PTH AZ 79 -70.873 116.350  A SCALE PT-PT 0. 1-2 29.08599 2-3 49.47436 3-4 50.50.23102 5-6 7 24.66287 6-7 9 SEQUENCE NO 441  PTH AZ 67 -70.743 116.325  A SCALE PT-PT 0. 1-2 9.08599 2-3 9.49.47436 3-4 9.50.23102 5-6 7 24.66287 6-7 9 SEQUENCE NO 441
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANGE 2 -12.927 -18.780 1166.66789 3 -12.572 -19.716 1146.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69246 6 -13.384 -19.534 1158.17126. 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA PT LAT LON KANGE 2 -12.891 -18.797 1142.19429 3 -12.563 -19.715 1126.47246 4 -12.433 -18.046 1149.57935 5 -13.275 -17.834 1159.83905 6 -13.339 -19.537 1135.81723 7 -12.543 -19.715 1126.47246  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA  PHOTO DATA PHOTO	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.9 12.9 -51.7 11.4 SEC 80 MS -52.4 12.1 -51.7 11.4 SEC 519 MS -52.4 12.1 -51.7 11.4 SEC 519 MS	SEC TO IMPACT 475.799  AZSUN AZA 60.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4 -80.3 38.0  TAB NO  SEC TO IMPACT 465.719  AZSUN AZA -80.8 37.6 -90.4 37.9 -80.8 39.1 -80.4 37.9  TAB NO  SEC TO IMPACT 452.280  AZSUN AZA 89.1 -80.8 37.9  TAB NO  SEC TO IMPACT 452.280  AZSUN AZA 7.9 -80.4 37.9 -80.8 37.	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772 11.03643 23 ALT 1019.96777 A. 1C.97726 -1C.82363 11.04514 11.14417 10.82363 24 ALT 992.26181 A. 1C.68788 1C.53853 1C.75391 1C.84995	LAT LON 6.26 -89.2 69.5 0.847 -88.6 68.6 0.816 -88.4 70.2 0.803 -89.9 70.5 0.847 -88.6 68.6 0.816 -88.4 70.2 0.803 -89.9 70.5 0.847 -88.6 68.6 0.816 -88.4 70.2 0.803 -89.9 70.5 0.847 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.817 -88.6 68.6 0.818 -88.4 70.2 0.804 -89.9 70.5 0.847 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 68.6 0.818 -88.6 70.4 0.805 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.8 0.818 -88.9 70.4 68.9 70.4 68.9 70.4 68.9 70.4 68.9 70.4 68.9 70.4 68.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 68.9 9.9 70.4 70.4 70.4 70.4 70.9 9.9 9.9 70.4 70.4 70.4 70.9 9.9 70.4 70.4 70.4 70.9 9.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.4 70.9 9.9 70.4 70.9 9.9 70.4 70.9 9.9 70.4 70.9 9.9 70.4 70.9 9.9 70.4 70.9 9.9 70.9 70.9 9.9 70.9 70.9 9.9 70.9 70	R V V 2776.148 2.17 PHAZ EMIS ALPHI 39.5 34.3 28.6 40.7 32.1 26.7	PTH AZ  73 -70.969 110.366  3 CALE PT-PT  0 0. 1-2  7 29.66737 2-3  7 50.45724 3-4  5 26.80167 4-5  5 51.2328 5-6  7 25.15669 6-7  SEQUENCE NO 425  PTH AZ  79 -70.873 116.350  A SCALE PT-PT  0 0. 1-2  2 99.08599 2-3  4 9.47436 3-4  5 26.27293 4-5  5 0.23102 5-6  7 24.66287 6-7  SEQUENCE NO 441  PTH AZ  7 -70.743 116.325  A SCALE PT-PT  0 0. 1-2  2 8.30605 2-3  5 48.15639 3-4  5 25.56430 4-5
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LON PANCE 2 -12.927 -18.780 1164.66789 3 -12.572 -19.716 1148.61967 4 -12.460 -18.013 1172.20172 5 -13.319 -17.796 1182.69246 6 -13.384 -19.534 1158.17126. 7 -12.572 -19.716 1148.61967  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA PT LAT LON KANGE 2 -12.891 -18.797 1142.194.29 3 -12.543 -19.715 1126.47246 4 -12.433 -14.046 1149.57935 5 -13.275 -17.834 159.83905 6 -13.339 -19.537 1135.81723 7 -12.543 -19.715 1126.47246  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 2 -12.841 -18.823 1112.08360 3 -12.502 -19.716 1096.80164 4 -12.4395 -18.823 1112.08360 3 -12.502 -19.716 1096.80164 4 -12.9395 -18.622 1119.26880	AZS/C AZN -52.3 12.2 -51.7 11.4 -55.3 12.3 -52.8 12.9 -49.2 11.9 -49.2 11.9 -51.7 11.4 SEC 80 MS -22.4 12.1 -51.7 11.4 -55.3 12.3 -52.9 12.4 -51.7 11.4 -55.9 12.3 -51.7 11.4 -55.9 12.3 -51.7 11.4	SEC TO IMPACT 475.799  AZSUN AZA 6.0.7 37.7 -80.3 38.0 -80.7 36.1 -81.2 37.4 -80.7 39.2 -80.3 38.0  TAB NO  SEC TO IMPACT 465.719  AZSUN AZA 7.6 -80.4 37.9 -80.4 37.9  TAB NO  SEC TO IMPACT 452.280  TAB NO  SEC TO IMPACT 452.280  AZSUN AZA 7.6 -80.4 37.9 -80.4 37.	ALT 1040.69305 11.19325 11.03643 11.26249 11.36375 11.12772 23 ALT 1019.96777 10.82363 11.04514 11.14417 10.92363 24 ALT 92.26181 ALT 92.26181 10.68788 10.68788 10.68788 10.53853 10.75391	LAT LON 0-5.854 -30.659  B/A AZPHAZ INCD 0.826 -89.2 69.5 0.847 -88.6 68.6 0.816 -86.4 70.2 0.803 -89.9 70.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LCN 0.826 -89.2 69.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LCN 0.826 -89.2 69.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LON 0.826 -89.2 69.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LON 0.826 -89.2 69.5 0.847 -88.6 68.6 ATLAS PHOTO NO  LAT LON 0.826 -89.9 68.8  ATLAS PHOTO NO  LAT LON 0.827 -89.9 68.6  ATLAS PHOTO NO  LAT LON 0.827 -89.9 68.6 0.848 -88.6 68.6 0.849 -89.9 68.6	R 2776.148 2.17 PHAZ EMIS A LPA 39.5 34.3 28.6 40.7 32.1 26.7 38.4 36.6 30.6 40.6 33.5 26.6 40.6 33.5 26.6 23 POD  R 2755.423 2.17 PHAZ EMIS ALPH 39.6 34.3 28.6 40.7 32.1 26.7 38.4 36.5 30.6 40.7 32.1 26.7 24 POD  R 2727.717 2.18 PHAZ EMIS ALPH 39.6 34.2 28.6 40.7 32.1 26.7 24 POD  R 2727.717 2.18 PHAZ EMIS ALPH 39.6 34.2 28.6 40.7 32.1 26.7 38.4 36.5 30.6 38.5 35.2 30.6 38.5 35.2 30.6 38.5 35.2 30.6 38.5 35.2 30.6	PTH AZ  73 -70.969 116.366  A SCALE PT-PT  70 0. 1-2  72 9.66737 2-3  75 0.45724 3-4  75 1.23283 5-6  75 1.23283 5-6  75 1.23283 1-6  75 1.23283 1-6  75 1.23283 1-6  75 1.23283 1-6  75 SEQUENCE NO 425  PTH AZ  79 -70.873 116.350  A SCALE PT-PT  70 0. 1-2  72 9.08599 2-3  74 9.47438 3-4  75 26.27293 4-5  75 26.27293 4-5  76 24.66287 6-7  8 SEQUENCE NO 441  PTH AZ  77 -70.743 116.325  A SCALE PT-PT  70 0. 1-2  8 28.30605 2-3  78 48.15639 3-4  78 28.30605 2-3  78 48.15639 3-4  78 48.88756 5-6

	RA-VII CAMERA	P1			5
JULY 31,1964 13 HR 18 MIN 26 SEC 599 MS	TAB NO	25 ATI	LAS PHOTO NO	25	POD SEQUENCE NO 453
TRAJECTORY DATA	SEC TO IMPACT	ALT LA	T LON	R	V PTH AZ
PHOTO DATA	442.201	971.42709 -6.			2.193 -70.645 116.306
PT LAT LCN RANGE AZS/C A 2 -12.803 -18.845 1089.39827 -52.5 12	0 -80.8 37.5	10.46986 0.827	-89.2 69.5	PHAZ EMIS A 39.6 34.2	28.5 0. 1-2
3 -12.471 -19.719 1074.44759 -51.9 11 4 -12.366 -18.128 1096.43175 -55.4 12	4 -80.4 37.8	10.32375 0.848			26.7 27.71796 2- 3 30.5 47.16246 3- 4
5 -13.169 -17.928 1106.14804 -53.0 12	8 -81.2 37.3	10.62828 0.805	-89.9 70.4	38.5 36.4	30.5 25.03073 4- 5
6 -13.229 -19.550 1063.30553 -49.5 11. 7 -12.471 -19.719 1074.44759 -51.9 11	8 -80.8 39.0 4 -80.4 37.8	10.40841 0.836 10.32375 0.848		40.7 32.0	26.6 47.87457 5-6 26.7 23.50239 6-7
	TAB NO		LAS PHOTO NO	26	POD SEQUENCE NO 465
JULY 31,1964 13 HR 18 MIN 36 SEC 678 MS					
TRAJECTORY DATA	SEC TO IMPACT 432.121	ALT LA 950.54483 -6		R 2686.000	2.200 -70.544 116.287
PHOTO DATA PT LAT LON RANGE AZS/C A	'N AZSUN AZA	A= H/A	AZPHAZ INCD	PHAZ EMIS A	ALPHA SCALE PT-PT
2 -12.764 -18.864 1066.67233 -52.5 12	0 -80.8 37.5	10.25144 0.828	89.2 69.4	39.6 34.1	
3 -12.439 -19.720 1052.05096 -51.9 11 4 -12.337 -18.163 1073.55615 -55.4 12	2 -80.7 36.0	10.10855 0.848 10.31471 0.819	9 -88.4 70.1	.38.5 35.1 _	30.5 46.16928 3- 4
5 -13.123 -17.967 1083.04074 -53.0 12 6 -13.182 -19.555 1060.70097 -49.5 11		10.40626 0.806			30.4 24.49692 4~ 5 26.6 46.86264 5- 6
7 -12.439 -19.720 1052.05096 -51.9 11		10.10855 0.84			26.6 23.00351 6- 7
JULY 31,1964 13 HK 18 MIN 45 SEC 78 MS	TAB NO	27 AT	LAS PHOTO NO	27	POD SEQUENCE NO 475
TRAJECTORY DATA	SEC TO IMPACT	ALT L	AT LON	g.	V PTH AZ
	423.722	933.10602 -6	206 -29.945	2668.561	2.205 -70.460 116.271
	N AZSUN AZA	A* B/A		PHAZ EMIS A	ALPHA SCALE PT-PT
2 -12.732 -18.881 1047.67982 -52.6 12 3 -12.413 -19.721 1033.33308 -52.0 11		10.06891 0.82		39.6 34.1	28.5 0. 1-2 26.6 26.63982 2-3
4 -12.312 -18.192 1054.43872 -55.4 12	.2 -80.7 36.0	10.13103 0.81	9 -88.4 70.0	38.5 35.0	30.4 45.33963 3- 4 30.4 24.05126 4- 5
6 -13.142 -19.559 1041.81006 -49.6 11	8 -80.6 38.8	10.00973 0.83	6 -89.9 68.8	40.7 33.2	26.6 46.01744 5- 6
7 -12.413 -19.721 1033.33308 -52.0 11		9.92871 0.84		40.7 32.0	26.6 22.58682 6- 7
JULY 31,1964 13 HR 18 MIN 56 SEC 837 MS	TAB NO	28 AT	LAS PHOTO NO	28	POD SEQUENCE NO 489
TRAJECTORY DATA	SEC TO 1MPACT 411.962		AT LON .289 -29.775	R 2644 090	V PTH AZ 2.213 -70.340 116.248
PHOTC DATA					
PT LAT LON RANGE AZS/C A 2 -12.687 -18.708 1020.96662 -52.6 11	ZN AZSUN AZA •9 -80•8 37•4	A* B/A 9.81218 0.82		PHAZ EMIS /	28.5 D. 1-2
3 -12.376 -19.725 1007.00851 -52.0 11	.3 -80.4 37.6	9.67577 C.84 9.87266 O.82	9 -88.6 68.6	38.5 34.9	26.6 25.94847 2- 3 30.4 44.17036 3- 4
5 -13.029 -18.051 1036.56874 -53.1 12	.7 -81.2 3/.1	9.95974 0.80	8 -89.9 70.	38.5 36.2	30.3 23.42468 4- 5
6 -13.086 -19.569 1015.24281 -49.7 11 7 -12.376 -19.725 1007.00851 -52.0 11		9.75447 0.83 9.67577 C.84	7 -89.9 68.8 9 -88.6 68.6	40.7 33.2	26.5 44.82633 5- 6 26.6 22.00118 6- 7
7 - 12.510 17.125 1001100031 52.10 12	TAB NO		TLAS PHOTO NO	29	POD SEQUENCE NO 501
JULY 31,1964 13 HR 19 MIN 6 SEC 916 MS					-
TRAJECTORY DATA	SEC 10 IMPACT 401.883	ALT L 887.66489 -6	AT LON .361 -29.627	R 2623.060	V PTH AZ 2.220 -70.235 116.227
PHOTO DATA PT LAT LON RANGE AZSZC A	ZN AZSUN AZA	A* 8/A	AZPHAZ INCI	D PHAZ EMIS	ALPHA SCALE PT-PT
2 -12.647 -18.933 997.95532 -52.7 11	.9 -80.8 37.3	9.59103 0.82	9 -89.2 69.	4 39.6 34.0	28.4 0. 1-2
3 -12.343 -19.732 984.33381 -22.1 11 4 -12.247 -16.277 1004.38017 -55.5 12	.1 -80.7 36.0	9.45790 0.84 9.65007 0.82	9 -88.6 68.6	6 40.7 31.9 0 38.5 34.9 2 38.5 36.1	30.3 43.16140 3- 4
5 -12.982 -18.096 1013.16964 -53.1 12	.6 -81.2 3/.1	9.73491 0.80 9.53461 0.83	8 -89.9 70. 7 -89.9 68.	2 38.5 36.1 8 40.7 33.1	30.3 22.88527 4- 5 26.5 43.79861 5- 6
6 -13.037 -19.579 992.35948 -49.7 11 7 -12.343 -19.732 984.33381 -52.1 11		9.45790 0.84		6 40.7 31.9	26.6 21.49688 6- 7
JULY 31,1964 13 HR 19 MIN 16 SEC 996 MS	TAB NO	30 A	TLAS PHOTO NO	30	POD SEQUENCE NO 513
TRAJECTURY DATA	SEC TO IMPACT		AT LON	R	V PTH AZ
PHOTO DATA	391.804	866.52570 -6	.435 -29.477		2.226 -70.129 116.206
PT LAT LON RANGE AZS/C A	ZN AZSUN AZA	A+ B/A	AZPHAZ INC	D PHAZ EMIS	ALPHA SCALE PT-PT 28.4 0. 1-2
	.2 -80.5 37.6	9.36914 0.83	9 -88.6 68.	3 39.6 33.9 5 40.7 31.9	26.6 24.75395 2-3
4 -12.217 -18.318 981.13632 -55.5 12		9.42675 0.82 9.50935 0.80	1 -88.4 69.	9 38.5 34.8 2 38.5 36.0	30.3 42.14951 3- 4 30.2 22.34448 4- 5
6 -12.988 -19.590 969.40025 -49.8 11	.7 -80.9 38.6	9.31402 0.83	88 -89.9 68.	8 40.7 33.1	26.5 42.76809 5- 6
7 -12.311 -19.739 961.58292 -52.1 1	.2 -60.5 37.6	9.23930 0.84	9 -88.6 68.	5 40.7 31.9	26.6 20.99122 6- 7

				RA-VI	I CAMERA	P1						6
					TAB NO	31	ATLAS PHOTO	NO	31	POD S	EQUENCE NO	525
JULY 31,1964 13 HH	19 MIN 27	SEC 75	MŞ								-	
TRAJECTORY DATA				SEC TO	IMPACT	AL T	LAT LO	N	R	٧	PTH A	Z -
PHOTO DATA				381	.724	845.39542	-6.510 -29	.324	2580.851	2.233	-70.022 116	.185
PHOTO DATA PT LAT LON 2 -12.567 -18.985 3 -12.277 -19.745 4 -12.186 -18.359 5 -12.886 -18.188 6 -12.939 -19.601	RANGE	AZS/C	AZN	AZSUN	AZA	Δ+	B/A AZPHAZ				SCALE P	T-PT
2 -12.567 -18.985	951.71479	-52.7	11.8	-80.8	37.3	9.14662	0.830 -89.2	69.3	39.6 33.9	28.4	0.	1- Z
4 -12.186 -18.359	938.76641 957.H2836	-52-2	11.2	-80.7	37.5	9.02007	0.850 -88.5 0.822 -88.4	68.5	40.8 31.9	26.6	24.15513	2- 3
5 -12.886 -18.188	966.15517	-53.2	12.5	-81.2	37.0	9.28318	0.81C -89.9	70.1	38.5 35.9	30.2		3- 4 4- 5
							0.838 -89.9	68.7	40.7 33.0	26.5	41.73629	5- 6
7 -12.277 -19.745	938.76641	-52.2	11,-2	-80.5	37.5	9.02007	0.850 -88.5	68.5	40.8 31.9	26.6	20.48465	6- 7
					TAB NO	32	ATLAS PHOTO	NO	32	POD S	EQUENCE NO	537
JULY 31,1964 13 HR	19 MIN 37	SEC 155	MS								:	
TRAJECTORY DATA				SEC TO	IMPACT	AL T	LAT LC	n.		v	DTU A	
				371	-645	824.21332	-6.586 -29.	168	2559.669	2.240	-69.912 116	.163
PHOTO DATA PT LAT LON												
PT LAT LON 2 -12.524 -19.007	928.51833	AZS/U	11 A	-80 Q	A/A	A+ 9 02340	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE P	T-PT
						8.80038	B/A AZPHAZ 0.831 -89.2 0.850 -88.5	68.5	40.8 31.8	26.6	0. 23.55736	2- 3
4 -12.153 -18.397	934.48152	-55.6	12.0	-80.7	35.9.	6.97849	0.822 -88.4	69.8	38.6 34.7	30.2	40.12515	3- 4
5 -12.836 -18.231 6 -12.887 -19.409	942.57668	-53.3	12.5	-81.3	37.0	9.05663	0.811 -89.9	70.1	38.6 35.9	30-1	21.26004	4- 5
4 -12.153 -18.397 5 -12.836 -18.231 6 -12.887 -19.608 7 -12.242 -19.749	915.90269	-52.2	11.2	-80.5	37.4	8.87112	0.839 -89.9 0.850 -88.5	68-5	40.8 33.0	26.5. 26.6	40.707 <u>07</u>	5- <u>6</u> 6- 7
JULY 31,1964 13 HR	10 MIN 45	CEC 554	MC		TAB NO	न्द	ATLAS PHOTO		33	POD S	EQUENCE NO	547
		264.227										_
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT LO	)N	R	٧	PTHA	Z
PHOTC DATA				363	.245	806.52231	-6.650 -29.	C37	2541.978	2.246	-69.820 116	-145
PT LAT ION	RANGE	AZS/C	AZN	AZ SUN	Α7 Δ	A *	B/A AZPHAZ	INCD	PHAT ENTS	AI DHA	SCALE P	T-DT
2 -12.489 -19.025	909-14516	-52-9	11.8	-80.9	37.1		0.83189.2_	69.3	39.7 33.8	28.3	0.	1- 2
3 -12.212 -19.751 4 -12.125 -18.427	896.80544	-52.3	11.2	-80.5 -80.7	37.4	8.61689	0.850 -88.5	68.5	40.8 31.8	26.6	23.05919	2- 3
5 -12.793 -18.265	914.98425	~55.6	12.0	-80.7 -81.3	35.9	8.79116 8.86744	0.823 -88.4	69.8	38.6 34.6 38.6 35.8	30.1	39.28240	3-4
6 -12.843 -19.613	904.03252	-50.0	11.6	-81.0	38.4	8.68597	0.839 -89.9	68-7	40.8 33.0	30.1 26.5	39.84933	4- 5 5- 6
6 -12.843 -19.613 7 -12.212 -19.751	896.80544	-52.3	11.2	-81.0 -80.5	37.4	8.61689	0.850 -88.5	68.5	40.8 31.8	26.6	19.55302	6- 7
					TAR NO	34		NO	24	DOD 6	FOLIENCE NO	
JULY 31,1964 13 HR	19 MIN 52	SEC 274	MS		TAB NO	34	ATLAS PHOTO	NO	34	POD S	EQUENCE NO	
·	19 MIN 52	SEC 274	MS			•	ATLAS PHOTO					-
TRAJECTORY DATA				SEC TO	IMPACT	•	ATLAS PHOTO					-
TRAJECTORY DATA				SEC TO	IMPACT	ALT 792.34277	ATLAS PHOTO  LAT LE -6.702 -26.	IN 930	R 2527.798	V 2.251		-
TRAJECTORY DATA				SEC TO	IMPACT	ALT 792.34277	ATLAS PHOTO  LAT LE -6.702 -26.	IN 930	R 2527.798	V 2.251	PTH A	.130
TRAJECTORY DATA				SEC TO	IMPACT	ALT 792.34277	ATLAS PHOTO  LAT LE -6.702 -26.	IN 930	R 2527.798	V 2.251	PTH A	.130
TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450	RANGE 893.64264 881.52057 899.38465	AZS/C -52.9 -52.4 -55.6	AZN 11.8 11.1	SEC TO 356. AZ SUN -80.9 -80.5 -80.7	IMPACT •526 AZA 37•1 37•3	ALT 792.34277 A* 8.58851 8.47003	ATLAS PHOTO  LAT LC -6.702 -26.  B/A AZPHAZ 0.832 -89.2 0.850 -88.5	INCD 69.2 68.5	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8	V 2.251 ALPHA 28.3 26.6	PTH A -69.745 116 SCALE P 0. 22.66215	.130
TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291	RANGE 893.64264 881.52057 899.38465 907.13506	AZS/C -52.9 -52.4 -55.6 -53.4	AZN 11.8 11.1 11.9	SEC TO 356. AZ SUN -80.9 -80.5 -80.7 -81.3	!MPACT .526 AZA 37.1 37.3 35.9 36.9	ALT 792.34277 A* 8.58851 8.47003 8.64128 8.71609	ATLAS PHOTO  LAT -6.702 -26.  B/A AZPHAZ 0.832 -89.2 0.850 -88.5 0.823 -88.4 0.812 -89.9	INCD 69.2 68.5 69.8 70.0	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8	V 2.251 ALPHA 28.3 26.6 30.1	PTH A -69.745 116 SCALE P 0. 22.66215 38.61053	.130
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616	RANGE 893.64264 881.52057 899.38465 907.13506 888.60995	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1	AZN 11.8 11.1 11.9 12.4	SEC TO 356 AZ SUN -80.9 -80.5 -80.7 -81.3 -81.0	IMPACT .526 AZA 37.1 37.3 35.9 36.9 38.3	ALT 792.34277 A* 8.58851 8.47003 8.64128 8.71609 8.53779	ATLAS PHOTO  LAT LC -6.702 -28.  B/A AZPHAZ 0.832 -89.2 0.852 -88.5 0.823 -88.5 0.823 -88.9 0.812 -89.9	INCD 69.2 68.5 69.8 70.0 68.7	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291	RANGE 893.64264 881.52057 899.38465 907.13506 888.60995	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1	AZN 11.8 11.1 11.9 12.4	SEC TO 356 AZ SUN -80.9 -80.5 -80.7 -81.3 -81.0	IMPACT .526 AZA 37.1 37.3 35.9 36.9 38.3	ALT 792.34277 A* 8.58851 8.47003 8.64128 8.71609	ATLAS PHOTO  LAT LC -6.702 -28.  B/A AZPHAZ 0.832 -89.2 0.852 -88.5 0.823 -88.5 0.823 -88.9 0.812 -89.9	INCD 69.2 68.5 69.8 70.0 68.7	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5	PTH A -69.745 116 SCALE P 0. 22.66215 38.61053 20.44574 39.16567	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.460 -19.037 3 -12.188 -14.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750	RANGE 893.64264 881.52057 899.38465 907.13506 888.60995 881.52057	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4	AZN 11.8 11.1 11.9 12.4 11.5	SEC TO 356 AZSUN -80.9 -80.5 -60.7 -81.3 -81.0	IMPACT .526 AZA 37.1 37.3 35.9 36.9 38.3	ALT 792.34277 A* 8.58851 8.47003 8.64128 8.71609 8.53779	ATLAS PHOTO  LAT LC -6.702 -28.  B/A AZPHAZ 0.832 -89.2 0.852 -88.5 0.823 -88.5 0.823 -88.9 0.812 -89.9	INCD 69.2 68.5 69.8 70.0 68.7	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567	Z •130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616	RANGE 893.64264 881.52057 899.38465 907.13506 888.60995 881.52057	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1	AZN 11.8 11.1 11.9 12.4 11.5	SEC TO 356 AZSUN -80.9 -80.5 -60.7 -81.3 -81.0	1MPACT •526 AZA 37.1 37.3 35.9 36.9 38.3 37.3	ALT 792.34277 A* 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003	LAT LC -6.702 -26.  B/A AZPHAZ 0.832 -89.2 0.832 -88.5 0.823 -88.4 0.812 -89.9 0.850 -88.5	INCD 69.2 68.5 69.8 70.0 68.7	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9 40.8 31.8	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416	Z •130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750	RANGE 893.64264 881.52057 899.38465 907.13506 888.60995 881.52057	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1	AZN 11.8 11.1 11.9 12.4 11.5	SEC TO 356 AZ SUN -80.9 -80.5 -60.7 -81.3 -81.0	1MPACT •526 AZA 37.1 37.3 35.9 36.9 38.3 37.3	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003	LAT -6.702 -26.  LAT -6.702 -26.  8.00 A AZPHAZ  0.832 -89.2  0.850 -88.5  0.823 -88.4  0.812 -89.9  0.833 -88.9  0.835 -88.5  ATLAS PHOTO	INCD 69-2 68-5 69-8 70-0 68-7 68-5	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9 40.8 31.8	2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S	PTH A-69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 893.64264 881.52057 899.38465 907.13506 888.60995 881.52057	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1	AZN 11.8 11.1 11.9 12.4 11.5	SEC TO 356 AZ SUN -80.5 -80.7 -81.3 -81.0	IMPACT .526 AZA 37.1 37.3 35.9 36.9 38.3 37.3 TAB NO	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003	LAT LC -6.702 -26.  B/A AZPHAZ 0.832 -89.2 0.832 -88.5 0.823 -88.4 0.812 -89.9 0.850 -88.5	INCD 69-2 68-5 69-8 70-0 68-7 68-5	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9 40.8 31.8	2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S	PTH A-69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY BATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 993.64264 781.52057 899.38465 907.13506 888.60995 8A1.52057	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353	AZN 11.8 11.1 11.9 12.4 11.5 11.1	AZ SUN -80.9 -80.5 -80.5 -80.5 -80.5	1 MPACT - 526  AZA 37.1 37.3 35.9 38.3 37.3 TAB NO	ALT 792.34277 A• 6.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35	ATLAS PHOTO  LAT -6.702 -26.  BAA AZPHAZ 0.832 -89.2 0.850 -88.5 0.823 -88.5 0.823 -88.5 0.823 -88.5 0.823 -88.5 0.825 -88.5 ATLAS PHOTO  LAT -6.781 -28.	INCD 69.2 68.5 69.8 70.0 68.7 68.5 <b>NO</b>	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 40.8 35.8 40.8 31.8 35	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S	PTH A -69.745 116 SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416 EQUENCE NO	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 567
TRAJECTORY BATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -13.66	RANGE #93.64264 #81.52057 #99.38465 907.13506 #88.60995 #81.52057	AZS/C -52.9 -52.4 -55.4 -50.1 -52.4 SEC 353	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	AZ SUN	1MPACT -526  AZA 37.1 37.3 35.9 36.3 37.3 TAB NO	ALT 792.34277 A• 6.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35	ATLAS PHOTO  LAT -6.702 -26.  BAA AZPHAZ 0.832 -89.2 0.850 -88.5 0.823 -88.5 0.823 -88.5 0.823 -88.5 0.823 -88.5 0.825 -88.5 ATLAS PHOTO  LAT -6.781 -28.	INCD 69.2 68.5 69.8 70.0 68.7 68.5 <b>NO</b>	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 40.8 35.8 40.8 31.8 35	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO	Z .130 T-PT 1- 2 2- 3 3- 4- 5 5- 6 6- 7 567 Z .107
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -13.47 LON	RANGE #93.64264 #81.52057 #99.38465 907.13506 #88.60995 #81.52057	AZS/C -52.9 -52.4 -55.4 -50.1 -52.4 SEC 353	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	AZ SUN	1MPACT -526  AZA 37.1 37.3 35.9 36.3 37.3 TAB NO	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53379 8.47003 35 ALT 771.02951 A. 8.36400 8.24874	ATLAS PHOTO  LAT LC -6.702 -26.  6.872 -89.2 0.850 -88.5 0.823 -89.9 0.850 -88.5  ATLAS PHOTO  LAT LC -6.781 -28.  B/A AZPHAZ 0.832 -89.2 0.850 -88.5	INCD 69-2 68-5 69-8 70-0 68-7 68-5 NO	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 35.8 40.8 32.9 40.8 31.8 35 R 2506.485 PHAZ EMIS 39.7 33.7	V 2.251  ALPHA 28.3 26.6 30.1 30.0 26.5 26.6  POD S  V 2.258  ALPHA 28.3	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0.	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 567 Z .107 T-PT 1- 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.486	RANGE H93.64264 e61.52057 899.38465 907.13506 888.60995 881.52057 20 MIN 2	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.7	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	AZ SUN -80.9 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5	1MPACT	ALT 792.34277 A. 58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A.36400 8.24874 8.41541	LAT	INCD 69-2 68-5 69-8 70-0 68-7 NO INCD 69-2 68-5	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9 40.8 31.8 35 R 2506.485 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 31.8	V 2.251  ALPHA 28.3 26.6 30.1 30.0 26.5 26.6  POD S  V 2.258  ALPHA 28.3 26.6 30.1	PTH A -69.745 116  SCALE P 0. 22.66205 38.661053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 567  T-PT 1- 2 2- 3 3- 4 3- 3 3- 4 3- 3 3- 4 3- 4 3
TRAJECTORY BATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.152 -19.753 4 -12.152 -19.753 5 -12.708 -18.486 5 -12.708 -18.332	RANGE #93.64264 #61.52057 #99.38465 907.13506 #88.60995 #81.52057 20 MIN 2 RANGE #RANGE #80.28205 #86.849039 #875.87505 #83.39642	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -55.7	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	AZ SUN -80.9 -80.5 -80.7 -81.3 -81.9 -80.5 SEC TO 346. AZ SUN -80.5 -80.7 -81.3	!MPACT .526  AZA 37.1 37.3 35.9 36.9 38.3 37.3 TAB NO  IMPACT .446  AZA 37.0 37.2 35.8 36.8	ALT 792.34277 A. 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A. 8.36400 8.24874 8.41541 8.48800	ATLAS PHOTO  LAT	INCD 69.2 68.5 69.8 70.0 68.7 68.5 NO INCD 69.2 68.5 69.2 68.5	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 35.8 40.8 31.8 35  R 2506.485 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 838.6 34.8	V 2.251  ALPHA 28.3 26.6 30.1 30.0 POD S  V 2.258  ALPHA 28.3 26.6 30.1 30.0 30.0 30.0 30.0 30.0 20.0 20.0 20.0	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.486	RANGE H93.64264 861.52057 899.38465 907.13506 888.60995 861.52057 20 MIN 2	AZS/C -52.9 -52.4 -55.4 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.5 -52.4 -55.7 -53.4 -55.7	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	SEC TO 356 AZ SUN -80.9 -80.9 -80.9 -81.3 -81.0 -80.5 SEC TO 346. AZ SUN -60.9 -80.5 -80.7 -81.3 -81.3	1MPACT - 526  AZA 37.3 35.9 38.3 37.3 TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 38.8 38.8	ALT 792.34277 A. 58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A.36400 8.24874 8.41541	LAT	INCD 69.2 68.5 69.8 70.0 68.7 68.5 NO INCD 69.2 68.5 69.7 70.0	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 35.8 40.8 32.9 40.8 31.8 35 R 2506.485 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 35.7 40.8 31.8	V 2.251  ALPHA 28.3 26.6 30.1 30.0 26.5 26.6  POD S  V 2.258  ALPHA 28.3 26.6 30.1 30.0 26.5 26.6	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  SCALE P 0. 22.06260 37.59565 19.9011 38.13307	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.486 5 -12.708 -18.332 6 -12.775 -19.052	RANGE H93.64264 861.52057 899.38465 907.13506 888.60995 861.52057 20 MIN 2 RANGE 870.28205 588.49039 875.87505 883.39642 865.37280	AZS/C -52.9 -52.4 -55.4 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.6 -52.4 -55.7 -53.4	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	SEC TO 356 AZ SUN -80.9 -80.5 -80.5 -81.3 -81.0 -80.5 SEC TO 346. AZ SUN -80.9 -80.7 -81.3 -80.7 -81.3 -80.7	1MPACT - 526  AZA 37.1 37.3 35.9 36.9 36.9 37.3  TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 36.8 36.8	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A. 8.36400 8.24874 8.41541 8.48800 8.31453 8.24874	ATLAS PHOTO  LAT	INCD 69.2 68.5 69.8 NO  NO  INCD 69.2 68.7 768  INCD 69.2 68.5 77.0 68.7 68.5	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9 40.8 31.8 35 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.7 40.8 31.8	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.90111 38.13307 18.70398	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 7 5- 7 5- 7 5- 7 5- 7 5- 7 5- 7 5- 7
TRAJECTORY BATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.486 5 -12.708 -18.332 6 -12.757 -19.622 7 -12.152 -19.753	RANGE 993.64264 761.52057 899.38465 907.13506 888.60995 8A1.52057 20 MIN 2 RANGE 870.28205 558.49039 875.87505 843.39642 865.37280 858.49039	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -55.7 -53.4 -50.2	AZN 11.8 11.1 11.9 12.4 11.7 11.9 12.4 11.1	SEC TO 356 AZ SUN -80.9 -80.5 -80.5 -81.3 -81.0 -80.5 SEC TO 346. AZ SUN -80.9 -80.7 -81.3 -80.7 -81.3 -80.7	IMPACT - 526  AZA 37.1 37.3 35.9 36.9 36.9 37.3  TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 36.8 36.8	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A.836400 8.24874 8.41541 8.41541 8.41541 8.41541	LAT	INCD 69.2 68.5 69.8 NO  NO  INCD 69.2 68.7 768  INCD 69.2 68.5 77.0 68.7 68.5	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9 40.8 31.8 35 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.7 40.8 31.8	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  SCALE P 0. 22.06260 37.59565 19.9011 38.13307	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 7 5- 7 5- 7 5- 7 5- 7 5- 7 5- 7 5- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.486 5 -12.704 -18.332 6 -12.757 -19.622 6 -12.757 -19.622 JULY 31,1964 13 HR	RANGE 993.64264 761.52057 899.38465 907.13506 888.60995 8A1.52057 20 MIN 2 RANGE 870.28205 558.49039 875.87505 843.39642 865.37280 858.49039	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -55.7 -53.4 -50.2	AZN 11.8 11.1 11.9 12.4 11.7 11.9 12.4 11.1	SEC TO 356 AZ SUN -80.5 -80.5 -81.3 -81.0 -80.5 SEC TO AZ SUN -80.9 -80.5 -80.7 -81.3 -81.0 -80.5	IMPACT - 526  AZA 37.1 37.3 35.9 36.9 38.3 37.3  TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 36.8 38.2 27.2  TAB NO	ALT 792.34277  8.58851 8.47003 8.64128 8.71609 8.53779 8.47703 35  ALT 771.02951  4.36400 8.24874 8.41541 6.48800 8.31453 6.24874	ATLAS PHOTO  LAT	INCD 69-2 68-5 NO INCD 68-7 70-0 68-7 70-0 68-7 70-0 68-7 70-0 68-7 NO	R 2527.798 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9 40.8 31.8 35  R 2506.485 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 35.6 38.6 35.7 40.8 31.8 36	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S  V 2.258 ALPHA 28.3 26.6 30.1 30.0 26.5 POD S	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.90111 38.13307 18.70398	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 7 5- 7 5- 7 5- 7 5- 7 5- 7 5- 7 5- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.496 5 -12.708 -18.332 6 -12.757 -19.622 7 -12.152 -19.753	RANGE 993.64264 761.52057 899.38465 907.13506 888.60995 8A1.52057 20 MIN 2 RANGE 870.28205 558.49039 875.87505 843.39642 865.37280 858.49039	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -55.7 -53.4 -50.2	AZN 11.8 11.1 11.9 12.4 11.7 11.9 12.4 11.1	SEC TO 356  AZ SUN -80.9 -80.5 -80.7 -81.3 -81.0 -80.5  SEC TO 346  AZ SUN -60.5 -80.7 -81.3 -81.0 -80.5	IMPACT - 526  AZA 37.1 37.3 35.9 36.9 36.9 37.3  TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 36.8 36.8 37.2 37.2 37.2  TAB NO	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A. 8.36400 8.24874 8.41541 8.48800 8.31453 8.24874	ATLAS PHOTO  LAT	INCD 69-2 669-8 70-0 0 68-5 NO INCD 69-2 68-5 NO INCD 69-2 68-5 NO INCD 68-7 70-0 68-7 NO INCD 6	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 31.8 35 R 2506.485 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.7 40.8 31.8 38.6 35.7 40.8 31.8	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 30.1 30.0 2.258 ALPHA 28.3 26.6 POD S	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.90111 38.13307 18.70398  EQUENCE NO	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 567 Z .107 T-PT 1- 2 2 3- 3 4- 5 5- 6- 7 575
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.436 5 -12.704 -18.332 6 -12.757 -19.622 7 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE #93.64264 #61.52057 899.38465 907.13506 _888.60995 841.52057 20 MIN 2 RANGE 870.28205 558.49039 875.87505 883.37642 865.37280 858.49039	AZS/C -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -55.7 -55.7 -55.4 -50.2 -52.4 -50.2	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	SEC TO 356 AZ SUN -80.9 -80.5 -81.3 -81.0 -80.5 SEC TO 346 AZ SUN -60.9 -80.5 -80.5 -80.5 SEC TO -80.5	IMPACT - 526  AZA 37.1 37.3 35.9 36.9 36.9 37.3  TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 38.2 37.2  TAB NO	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A. 8.36400 8.24874 8.41541 8.41541 8.41860 31453 8.24874 36	ATLAS PHOTO  LAT	INCD 69-2 669-8 70-0 0 68-5 NO INCD 69-2 68-5 NO INCD 69-2 68-5 NO INCD 68-7 70-0 68-7 NO INCD 6	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 31.8 35 R 2506.485 PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.7 40.8 31.8 38.6 35.7 40.8 31.8	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 30.1 30.0 2.258 ALPHA 28.3 26.6 POD S	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.90111 38.13307 18.70398  EQUENCE NO	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 567 Z .107 T-PT 1- 2 2 3- 3 4- 5 5- 6- 7 575
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.436 5 -12.704 -18.332 6 -12.757 -19.622 7 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE #93.64264 #61.52057 899.38465 907.13506 _888.60995 841.52057 20 MIN 2 RANGE 870.28205 558.49039 875.87505 883.37642 865.37280 858.49039	AZS/C -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -55.7 -55.7 -55.4 -50.2 -52.4 -50.2	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	SEC TO 356 AZ SUN -80.9 -80.5 -81.3 -81.0 -80.5 SEC TO 346 AZ SUN -60.9 -80.5 -80.5 -80.5 SEC TO -80.5	IMPACT - 526  AZA 37.1 37.3 35.9 36.9 36.9 37.3  TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 38.2 37.2  TAB NO	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A. 8.36400 8.24874 8.41541 8.41541 8.41860 31453 8.24874 36	LAT	INCD 69.2 69.2 69.2 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 38.6 35.8 40.8 32.9 40.8 31.8 35  R 2506.485 PHAZ EMIS 38.6 35.7 40.8 31.8 36  R 2492.246	V 2-251 ALPHA 28-3 26-6 30-1 30-0 26-6 POD S V 2-258 ALPHA 3 26-6 POD S V 2-258 ALPHA 4 V 2-263	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.90111 38.13307 18.70398  EQUENCE NO	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7  567  Z .107 T-PT 1- 2 2- 3 3- 4 5- 6- 7 55- 6 6- 7 575
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.436 5 -12.767 -19.622 7 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE #93.64264 #61.52057 899.38465 907.13506 _888.60995 841.52057 20 MIN 2 RANGE 870.28205 558.49039 875.87505 883.37642 865.37280 858.49039	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -55.7 -55.7 -55.4 -50.2 -52.4	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	SEC TO 356 AZ SUN -80.9 -80.5 -81.3 -81.0 -80.5 SEC TO 346 AZ SUN -60.9 -80.5 -80.5 -80.5 SEC TO -80.5	IMPACT - 526  AZA 37.1 37.3 35.9 36.9 36.9 37.3  TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 38.2 37.2  TAB NO	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A. 8.36400 8.24874 8.41541 8.41541 8.41860 31453 8.24874 36	ATLAS PHOTO  LAT	INCD 69.25 69.8 8.5 NO INCD 68.7 70.0 68.7 70.0 68.7 70.0 68.5 NO INCD 69.2 68.5 NO INCD 69.2 68.5 NO	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 35.8 40.8 31.8 35 R 2506.485 PHAZ EMIS 39.7 33.7 40.8 31.8 36 34.6 34.6 34.6 34.6 34.6 34.6 34.6 3	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 30.1 30.0 26.5 26.5 26.6	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.90111 38.13307 18.70398  EQUENCE NO  PTH A -69.555 116	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 6- 7 567 Z .107 T-PT 1- 2 2- 3 3- 4 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.436 5 -12.767 -19.622 7 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE #93.64264 #61.52057 899.38465 907.13506 _888.60995 841.52057 20 MIN 2 RANGE 870.28205 558.49039 875.87505 883.37642 865.37280 858.49039	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -55.7 -55.7 -55.4 -50.2 -52.4	AZN 11.8 11.1 11.9 12.4 11.5 11.1 MS	SEC TO 356 AZ SUN -80.9 -80.5 -81.3 -81.0 -80.5 SEC TO 346 AZ SUN -60.9 -80.5 -80.5 -80.5 SEC TO -80.5	IMPACT - 526  AZA 37.1 37.3 35.9 36.9 36.9 37.3  TAB NO  IMPACT - 446  AZA 37.0 37.2 35.8 36.8 38.2 37.2  TAB NO	ALT 792.34277 8.58851 8.47003 8.64128 8.71609 8.53779 8.47003 35 ALT 771.02951 A. 8.36400 8.24874 8.41541 8.41541 8.41860 31453 8.24874 36	ATLAS PHOTO  LAT	INCD (68.5 69.4 8.5 69.8 8.5 NO INCD (68.7 68.5 69.7 76.8 1 NCD (68.7 68.5 69.7 76.8 1 NCD (68.5 69.7 76.8 69.2 69.7 76.8 69.8 5 NO INCD (69.8 69.8 69.8 69.8 69.8 69.8 69.8 69.8	PHAZ EMIS 39.7 33.7 40.8 31.8 38.6 34.6 35.8 40.8 31.8 35 R 2506.485 PHAZ EMIS 39.7 33.7 40.8 31.8 36 35.9 40.8 31.8 36 35.7 40.8 31.8 36 35.7 33.7 40.8 31.8 36 PHAZ EMIS 39.7 33.7 40.8 31.8 36 PHAZ EMIS 39.7 33.7 40.8 31.8 36	V 2.251 ALPHA 28.3 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 POD S	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.9011 38.13307 18.70398  EQUENCE NO  PTH A -69.555 116  SCALE P 21.65919	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 567 Z .107 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 5- 6- 7 5- 7 5- 7 5- 8- 7 5- 8- 7 5- 9- 8 5- 9- 8
TRAJECTORY BATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.486 5 -12.706 -18.486 5 -12.706 -18.486 5 -12.707 -19.622 7 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.388 -19.764 3 -12.388 -19.766 3 -12.388 -19.766 3 -12.128 -19.756 4 -12.046 -18.514	RANGE 93.64264 861.52057 899.38465 907.13506 888.60995 8A1.52057 20 MIN 2 RANGE 870.24205 858.49039 875.87505 843.39642 865.37280 858.49039	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -50.2 -52.4 SEC 73	AZN 11.8 11.1 11.9 12.4 11.5 11.1 11.9 12.4 11.5 11.1 11.9 11.9 11.5 11.1 11.7 11.5 11.1 11.1 11	SEC TO 356  AZ SUN -80.9 -80.5 -80.7 -81.3 -81.0 -80.5 -80.7 -81.3 -81.0 -80.5 -80.7 -81.3 -81.0 -80.9 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5	IMPACT .526  AZA 37.1 37.3 35.9 36.8 38.3 37.3  TAB NO  IMPACT .446  AZA 37.0 37.2 35.8 36.8 38.2 37.2  TAB NO	ALT 792.34277  8.58851 8.47003 8.64128 8.71609 8.53779 8.477003  35  ALT 771.02951 A. 8.36400 8.24874 8.41541 8.48600 8.31453 8.24874  36  ALT 756.79C56 A. 8.21347 8.10040 8.26393 8.33505	ATLAS PHOTO  LAT	NO N	PHAZ EMIS 39.7 33.7 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 36.8 31.8 38.8 31.8 31.8 31.8 31.8 31.8 31	V 2.251 30.0 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 POD S V 2.263 ALPHA 28.3 26.6 900 S	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.9011 38.13307 18.70398  EQUENCE NO  PTH A -69.555 116  SCALE P 21.65919	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 567 Z .107 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 5- 6- 7 5- 7 5- 7 5- 8- 7 5- 8- 7 5- 9- 8 5- 9- 8
TRAJECTORY BATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.486 5 -12.706 -18.486 5 -12.706 -18.486 5 -12.707 -19.622 7 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -12.388 -19.764 3 -12.388 -19.766 3 -12.388 -19.766 3 -12.128 -19.756 4 -12.046 -18.514	RANGE 93.64264 861.52057 899.38465 907.13506 888.60995 8A1.52057 20 MIN 2 RANGE 870.24205 858.49039 875.87505 843.39642 865.37280 858.49039	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -50.2 -52.4 SEC 73	AZN 11.8 11.1 11.9 12.4 11.5 11.1 11.9 12.4 11.5 11.1 11.9 11.9 11.5 11.1 11.7 11.5 11.1 11.1 11	SEC TO 356  AZ SUN -80.9 -80.5 -80.7 -81.3 -81.0 -80.5 -80.7 -81.3 -81.0 -80.5 -80.7 -81.3 -81.0 -80.9 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5	IMPACT .526  AZA 37.1 37.3 35.9 36.8 38.3 37.3  TAB NO  IMPACT .446  AZA 37.0 37.2 35.8 36.8 38.2 37.2  TAB NO	ALT 792.34277  8.58851 8.47003 8.64128 8.71609 8.53779 8.477003  35  ALT 771.02951 A. 8.36400 8.24874 8.41541 8.48600 8.31453 8.24874  36  ALT 756.79C56 A. 8.21347 8.10040 8.26393 8.33505	ATLAS PHOTO  LAT	INCD (69.5 69.48 5 69.7 7 68.5 69.7 7 68.5 NO INCD (68.7 68.5 69.7 7 68.5 NO INCD (69.5 69.7 68.5 69.7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 9 69.	PHAZ EMIS 39.7 33.7 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 36.8 31.8 38.8 31.8 31.8 31.8 31.8 31.8 31	V 2.251 30.0 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 POD S V 2.263 ALPHA 28.3 26.6 900 S	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.90111 38.13307 18.70398  EQUENCE NO  PTH A -69.555 116  SCALE P 0. 21.65919 36.91260	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7  567  Z .107 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -12.460 -19.037 3 -12.188 -19.750 4 -12.102 -18.450 5 -12.759 -18.291 6 -12.809 -19.616 7 -12.188 -19.750  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -12.417 -19.058 3 -12.152 -19.753 4 -12.069 -18.436 5 -12.704 -18.332 6 -12.757 -19.622 7 -12.152 -19.753  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 93.64264 861.52057 899.38465 907.13506 888.60995 8A1.52057 20 MIN 2 RANGE 870.24205 858.49039 875.87505 843.39642 865.37280 858.49039	AZS/C -52.9 -52.4 -55.6 -53.4 -50.1 -52.4 SEC 353 AZS/C -53.0 -52.4 -50.2 -52.4 SEC 73	AZN 11.8 11.1 11.9 12.4 11.5 11.1 11.9 12.4 11.5 11.1 11.9 11.9 11.5 11.1 11.7 11.5 11.1 11.1 11	SEC TO 356  AZ SUN -80.9 -80.5 -80.7 -81.3 -81.0 -80.5 -80.7 -81.3 -81.0 -80.5 -80.7 -81.3 -81.0 -80.9 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5 -80.5	IMPACT .526  AZA 37.1 37.3 35.9 36.8 38.3 37.3  TAB NO  IMPACT .446  AZA 37.0 37.2 35.8 36.8 38.2 37.2  TAB NO	ALT 792.34277  8.58851 8.47003 8.64128 8.71609 8.53779 8.477003  35  ALT 771.02951 A. 8.36400 8.24874 8.41541 8.48600 8.31453 8.24874  36  ALT 756.79C56 A. 8.21347 8.10040 8.26393 8.33505	ATLAS PHOTO  LAT	INCD (69.5 69.48 5 69.7 7 68.5 69.7 7 68.5 NO INCD (68.7 68.5 69.7 7 68.5 NO INCD (69.5 69.7 68.5 69.7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 7 68.5 69.7 9 69.	PHAZ EMIS 39.7 33.7 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 35.8 40.8 31.8 36.8 31.8 38.8 31.8 31.8 31.8 31.8 31.8 31	V 2.251 30.0 26.6 30.1 30.0 26.5 26.6 POD S V 2.258 ALPHA 28.3 26.6 POD S V 2.263 ALPHA 28.3 26.6 900 S	PTH A -69.745 116  SCALE P 0. 22.66215 38.61053 20.44574 39.16567 19.21416  EQUENCE NO  PTH A -69.632 116  SCALE P 0. 22.06260 37.59565 19.9011 38.13307 18.70398  EQUENCE NO  PTH A -69.555 116  SCALE P 0. 21.6597 36.91260 19.53579 37.43804	Z .130 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7  567  Z .107 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7

POD SEQUENCE NO 583 TAB NO 37 ATLAS PHOTO NO 37 JULY 31,1964 13 HR 20 MIN 15 SEC 792 MS TRAJECTORY DATA SEC TO IMPACT 333.007 ALT LAT LON R V PTH AZ 742.52756 -6.888 -28.547 2477.983 2.268 -69.478 116.075 PHOTO DATA
PT LAT LON RANGE AZS/C AZN AZSUN AZA
2 -12.359 -19.094 838.92213 -53.1 11.7 -80.9 36.9
3 -12.104 -19.763 827.57913 -52.5 11.1 -80.6 37.2
4 -12.024 -18.542 844.30934 -55.7 11.9 -80.7 35.8
5 -12.640 -18.395 851.52437 -53.5 12.3 -81.3 36.8
6 -12.687 -19.637 834.16477 -50.3 11.4 -81.0 38.1
7 -12.104 -19.763 827.57913 -52.5 11.1 -80.6 37.2 A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA 8.06261 0.833 -89.2 69.2 39.7 33.6 28.2 7.95174 0.851 -88.5 68.5 40.8 31.7 26.6 8.11212 0.825 -88.4 69.7 38.6 34.5 30.0 8.18177 0.813 -89.9 69.9 38.6 35.6 29.9 8.01487 0.84C -69.9 68.7 40.8 32.8 26.4 7.95174 0.851 -88.5 68.5 40.8 31.7 26.6 SCALE PT-PT O. 1-2 21.25514 2-3 36.22829 3-4 19.17024 4-5 36.74187 5-6 18.01966 6-7 POD SEQUENCE NO 591 TAB NO 39 ATLAS PHOTO NO 38 JULY 31-1964 13 HR 20 FIN 22 SEC 512 MS SEC TO IMPACT 326.288 TRAJECTORY DATA ALT LAT LON K Y..... PIH ... AZ ... 728-24602 -6.943 -28.434 2463.695 2.273 -69.399 116.059 PHOTO DATA

PT LAT LON RANGE A/5/C AZN AZSUN AZA
2 -12.331 -19.111 H23.19590 -59.1 11.6 -80.9 36.9
3 -12.080 -19.767 B12.07067 -52.6 11.1 -80.6 47.1
4 -12.001 -10.570 B28.47977 -55.7 11.8 -80.7 35.6
5 -12.606 -10.426 B35.4303 -53.5 12.3 -81.3 36.7
6 -12.652 -19.644 H18.54507 -50.4 11.4 -81.0 38.1
7 -12.080 -19.767 B12.07667 -52.6 11.1 -80.6 37.1 A\* 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT
7.91147 0.833 -89.2 69.2 39.7 33.6 28.2 0. 12
7.80278 0.851 -88.5 68.5 40.8 31.7 26.5 20.85084 2-3
7.96CC3 0.825 -82.4 69.7 38.6 34.4 30.0 35.54306 3-4
8.02821 0.814 -89.9 69.9 38.6 35.5 29.9 18.80450 4-5
7.80278 0.851 -88.5 68.5 40.8 31.7 26.5 17.67699 5-7 ATLAS PHOTO NO 39 POD SEQUENCE NO 599 TAB NO 39 JULY 31.1964 13 HR 20 MIN 29 SEL 231 MS SEC TO IMPACT 319.568 TRAJECTORY DATA ALT LAT LCN R V PTH AZ 713.92828 -6.998 -28.320 2449.384 2.279 -69.320 116.042 PHOTO DATA A\* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 7.75999 0.833 -89.2 69.1 39.7 33.5 28.2 0. 1-2 20.44596 2-3 7.65348 0.851 -88.5 68.5 40.8 31.7 26.5 20.44596 2-3 7.80740 0.825 -88.4 69.6 38.6 34.4 30.0 34.85666 3-4 7.87432 0.814 -89.9 69.8 38.6 35.5 29.9 18.43811 4-5 7.71400 0.841 -89.9 69.8 38.6 35.5 29.9 18.43811 4-5 6 7.65348 0.851 -88.5 68.5 40.8 31.7 26.5 17.33382 6-7 TAR NO 40 ATLAS PHOTO NO 40 POD SEQUENCE NO 607 JULY 31,1964 13 HR 20 MIN 35 SEC 951 MS SEC TO IMPACT 312.848 TRAJECTORY DATA ALT LAT LCN R V PTH AZ 699.59158 -7.054 -28.205 2435.047 2.284 -69.240 116.026 A B/A AZPHA/ INCO PHA/E EMIS ALPHA SCALE PT-PT 7.50424 0.851 -88.5 68.5 40.8 31.6 26.5 16.99125 6-7 7.50424 0.851 -88.5 68.5 40.8 31.6 26.5 34.4 29.9 34.17382 3-4 7.72056 0.815 -88.9 69.8 38.6 35.4 29.8 18.07273 4-5 7.56346 0.841 -89.9 68.7 40.8 32.8 26.4 34.65263 5-6 7.50424 0.851 -88.5 68.5 40.8 31.6 26.5 16.99125 6-7 PHOTC DATA PHOTC DATA

11 LON RANGE AZS/C A/N AZSUN A/A

2 -12.273 -19.143 791.68182 -53.2 11.6 -80.9 36.8

3 -12.033 -19.774 761.00599 -52.7 11.0 -80.6 37.0

4 -11.956 -14.623 796.76203 -55.8 11.8 -80.7 35.7

5 -12.538 -16.485 603.52416 -53.6 12.2 -81.3 36.6

6 -12.582 -19.656 /87.26172 -50.5 11.4 -81.1 37.9

7 -12.033 -19.774 781.00599 -62.7 11.0 -80.6 37.0 41 ATLAS PHOTO NO 41 POD SEQUENCE NO 617 TAB NO JULY 31,1964 13 HR 20 MIN 44 SEC 351 MS SEC TO IMPACT ALT LAT LCN R V PTH AZ 681.63547 -7.125 -28.059 2417.091 2.290 -69.139 116.004 TRAJECTORY DATA PHOTO DATA A• B/A AZPHAZ INCO PHAZ EMIS ALPHA
7.41883 0.834 -89.2 69.1 39.7 33.5 28.2
7.31716 0.852 -88.5 68.5 40.8 31.6 26.5
7.40437 0.826 -88.4 69.6 38.6 34.3 29.9
7.2724 0.815 -89.9 69.8 38.6 35.4 29.8
7.37476 0.842 -89.9 68.7 40.8 32.7 26.4
7.31716 0.852 -88.5 68.5 40.8 31.6 26.5 PHOTO DATA
YE LAT LCN RANGE A75/C A2N
2 -12.237 -19.162 /71.93665 -53.2 11.6
3 -12.002 -19.777 /61.53561 -52.7 11.0
4 -11.924 -18.655 /76.69118 -55.8 11.8
5 -12.495 -18.521 /83.46645 -53.6 12.2
6 -12.538 -19.662 767.56197 -50.5 11.4
7 -12.002 -19.777 /61.53561 -52.7 11.0 AZN AZSUN AZA 11.6 -80.9 36.8 11.0 -80.6 37.0 11.8 -80.6 35.7 12.2 -81.3 36.6 11.4 -81.1 37.9 11.0 -80.6 37.0 0. 1-2 19.53895 2-3 POD SEQUENCE NO 623 ATLAS PHOTO NO 42 TAB NO 42 JULY 31,1964 13 HR 20 MIN 49 SEC 390 MS SEC TO IMPACT 299.409 TRAJECTURY DATA ALT LAT LON R V PTH AZ 670.84302 -7.168 -27.971 2406.298 2.294 -69.078 115.991 PHOTC DATA
PT LAT LINN
2 -12.215 -19.171
3 -11.984 -19.776
4 -11.911 -18.671
5 -12.469 -18.539
7 -11.984 -19.776 A B/A AZPHAZ INCO PHAZ EMIS ALPHA
7.30509 0.834 -89.2 69.1 39.7 33.5 28.2
7.20500 0.852 -88.5 68.5 40.8 31.6 26.6
7.4997 0.826 -88.4 69.6 38.6 34.3 29.9
7.41236 0.816 -89.9 69.7 38.6 35.4 29.8
7.20500 0.852 -88.5 68.5 40.8 31.6 26.6 
 RANGE
 AZS/C
 AZN
 AZSUN
 AZ

 760.10160
 -53.3
 11.6
 -80.9
 26.7

 149.86195
 -52.8
 11.0
 -80.6
 36.9

 764.98359
 -55.7
 11.8
 -80.8
 35.7

 711.44789
 -53.7
 12.2
 -81.3
 36.6

 755.78757
 -50.6
 11.3
 -81.1
 37.8

 749.86195
 -52.8
 11.0
 -80.6
 36.9
 0. 1-2 19.23837 2-3 32.80809 3-4 17.34111 4-5 33.26448 5-6 16.30511 6-7

			RA-VII	CAMERA	P1						8
				TAB NO	43	ATLAS PHOTO	NO 4	13	POD SE	QUENCE NO 63	31
JULY 31,1964 13 HK	20 MIN 56 SE	C 110 MS									
TRAJECTORY DATA			SEC TO 292.	IMPACT 690	ALT 656.43C48	LAT LON -7.225 -27.8	N 351	R 2391.886	V 2.300	PTH AZ -68.995 115.97	74
PHOTO DATA PT LAT LON 2 -12.185 -19.163	RANGE A	ZS/C AZN	AZ SUN	AZA	A+ B	/A AZPHAZ I	NCD PI	HAZ EMIS	ALPHA	SCALE PT-	PT
2 -12.185 -19.163	744.28049 - 734.25676 -	53.3 11.5	-80.9	36.7 36.9	7.15304 0.1 7.05505 0.1	834 -89.2 6	59.1 3		28.2	0. 1- 18.83648 2-	2
4 -11.888 -18.693	749.06516 -	55.9 11.7	-80.8	35.6	7.19702 0.1	826 -88.4 6	59.5 3	8.6 34.3	29.9	32.12601 3-	4
	755.38159 - 740.04807 -	53.7 12.1		36.5 37.7	7.25799 0.4			8.6 35.3	29.8	16.97512 4-	5
7 -11.960 -19.775		52.8 11.0		36.9	7.05505 0.0	842 -89.9 6 852 -88.5 6	58.5 4	0.8 32.7 0.8 31.6	26.4 26.6	32.57138 5- 15.96166 6-	
JULY 31,1964 13 HR	21 MIN 1 SE	.C 150 MS		TAB NO	44	ATLAS PHOTO	NO 4	14	POD SE	EQUENCE NO 6	37
TRAJECTORY DATA			SEC TO	IMPACT	ALT	LAT LON	al .	R	у	_PIHAZ	
			287.	650	645.60431	-7.269 -27.1	761	2381.060	2.304	-68.932 115.96	61
PHOTO DATA PT LAT LON 2 -12.164 -19.193	RANGE A	ZS/C AZN	AZSUN	AZA	A= B.	/A AZPHAZ	INCD P	HAZ EMIS .	ALPHA	SCALE PT-	PT
2 -12.164 -19.193	732.36819 -	53.4 11.5	-80.9	36.6	7.03855 0.	834 -89.2			28-2	0. 1-	2
	722.50830 - 737.07790 -	52.9 11.0 55.9 11.7	-80.6 -80.8	36.8 35.6	6.94217 0.4 7.08185 0.4			0.8 31.6 8.6 34.3	26.6 29.9	18.53326 2- 31.61107 3-	
5 -12.408 -18.585	743.28341 -	53.8 12.1	-81.3	36.5	7.14175 0.	616 -89.9	59.7 3	8.6 35.3	29.8	16.69974 4-	5
		50.7 11.3 52.9 11.0		37.7 36.8	6.99656 0.0			0.8 32.7 0.8 31.6	26.5 26.6	32.04815 5- 15.70333 6-	
1 -11.741 -17.116	122.30830 -	32.9 11.0		TAR NO							
JULY 31,1964 13 HR	21 MIN 9 SE	C 549 MS		TAR NO	45	ATLAS PHOTO	NO 4	45	POD ŞI	EQUENCE NO 6	47
TRAJECTORY DATA			SEC TO	IMPACT	ALT	LAT LO	v	В	v	PTH AZ	
PHOTO DATA				250		-7.343 -27.6				-68.827 115.9	38
PT LAT LON	RANGE A	ZS/C AZN	AZSUN	AZA	A = 6	/A AZPHAZ	INCO P	HAZ EMIS	ALPHA	SCALE PT-	PT
2 -12-127 -19-214	712.42683 -	53.4 11.5			6.84690 C.			9.7 33.4		0	2
3 -11.911 -19.781 4 -11.843 -18.746	702.84351 - 717.00815 -	52.9 11.0 55.9 11.7		36.8 35.6	6.75322 0.			0.8 31.6 8.6 34.2	26.6 29.9	18.02432 2- 30.74665 3-	
5 -12.365 -18.623	723.02880 -	53.8 12.1	-81.3	36.4	6.94713 0.	817 -89.9	69.6 3	8.5 35.3	29.7	16.23897 4-	5
		50.8 11.3		37.6	6.80601 C.			0.7 32.7	26.4	31.16984 5-	6
, 11.,11. 1,.,01	702.84351 -	-52.9 11.0		36.8	6.75322 0.			0.8 31.6	26.6		7
JULY 31,1964 13 HR				TAB NO		ATLAS PHOTO		0.8 31.6 <b>46</b>		15.27108 6- EQUENCE NO 6	7
				TAB NO	<b>46</b>	ATLAS PHOTO	NO 4	<b>46</b>	POD SI	EQUENCE NO 6	7 55
JULY 31,1964 13 HR			SEC TO	TAB NO	<b>46</b>	ATLAS PHOTO	NO 4	<b>46</b>	POD SI	EQUENCE NO 6	7 55
JULY 31,1964 13 HK TRAJECTORY DATA PHOTO DATA PT LAT LON	21 MIN 16 SE	EC 269 MS	SEC IN 272.	IMPACT	ALT 613.03787	LAT LO! -7.403 -27.	NO 4	R 2348.493 HAZ EMIS	POD SI	EQUENCE NO 6	7 55
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -12,098 -19,231	21 MIN 16 SE RANGE A 696.42801 -	269 MS AZS/C AZN -53.5 11.5	SEC IN 272. AZSUN -81.0	IMPACT .531 AZA 36.5	ALT 613.03787 A• B 6.69314 C.	LAT LOI -7.403 -27.4 //A AZPHAZ 835 -89.1	NO 4 N 484 INCD P 69.0 3	R 2348.493 HAZ EMIS 9.6 33.4	POD SI V 2.316 ALPHA 28.1	PTH AZ -68.742 115.9  SCALE PT-0. 1-	7 55
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.487 -19.785	21 MIN 16 SE  RANGE A 696.42801 - 687.06601 -	AZS/C AZN -53.5 11.5 -53.0 10.9	SEC IN 272. AZSUN -81.0 -80.6	TAB NO IMPACT .531 AZA 36.5 36.7	ALT 613.03787 A- B 6.69314 C. 6.60163 O.	LAT LOI -7.403 -27.403	NO 4 N 484 INCD P 69.0 3 68.5 4	R 2348.493 HAZ EMIS 9.6 33.4 0.8 31.6	V 2.316 ALPHA 28.1 26.6	PTH AZ -68.742 115.9 SCALE PT- 0. 1- 17.61640 2-	7 55 19 PT 2 3
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.847 -19.785 4 -11.820 -18.774 5 -12.330 -18.653	RANGE A 696.42801 - 687.06601 - 700.90654 - 706.77956 - 706.7700 - 706.7700 - 706.7700 - 706.7700 - 706.7700 - 706.7700 - 706.	AZS/C AZN -53.5 11.5 -53.0 10.9 -56.0 11.7	SEC IN 272. AZSUN -81.0 -80.6 -80.8 -81.3	TAB NO  IMPACT .531  AZA 36.5 36.7 35.5 36.4	ALT 613.03787 A• B 6.69314 C. 6.60163 O. 6.73432 O. 6.79100 O.	ATLAS PHOTO  LAT LOI -7.403 -27.4  /A AZPHAZ 835 -89.1 852 -88.5 827 -88.4 817 -89.9	NO 4 484 INCD P 69.0 3 68.5 4 69.4 3 69.6 3	R 2348.493 HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 8.5 35.2	POD SI V 2.316 ALPHA 28.1 26.6 29.8 29.7	PTH AZ -68.742 115.9 SCALE PT- 0. 1- 17.61640 2- 30.05352 3- 15.86956 4-	7 55 19 PT 2 3 4 5
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.887 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.3369 -19.682	RANGE A 696.42801 - 687.06601 - 700.90654 - 706.77956 - 692.45466 - 692.456660	AZS/C AZN -53.5 11.5 -53.0 10.9 -56.0 11.7 -53.8 12.1	SEC ID 272.  AZ SUN -81.0 -80.6 -80.8 -81.3 -81.1	TAB NO  IMPACT .531  AZA 36.5 36.7 35.5 36.4 37.5	ALT 613.03787 A* B 6.69314 C. 6.60163 O. 6.73432 C. 6.79100 O. 6.65313 O.	ATLAS PHOTO  LAT LOT -7.403 -27.  /A AZPHAZ 835 -89.1 852 -88.5 827 -88.4 817 -89.9 842 -89.9	NO 4 N 484 INCD P 69.0 3 68.5 4 69.4 3 69.6 3	R 2348.493 HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 8.5 35.2 0.7 32.6	POD SI V 2.316 ALPHA 28.1 26.6 29.8 29.7 26.4	PTH AZ -68.742 115.9  SCALE PT- 0. 17.61640 2- 30.05352 3- 15.86956 5- 30.46565 5-	7 55 19 PT 2 3 4 5
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.887 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.330 -18.653	RANGE A 696.42801 - 687.06601 - 700.90654 - 706.77956 - 692.45466 - 692.45466 -	AZS/C AZN -53.5 11.5 -53.0 10.9 -56.0 11.7	SEC IO 272. AZSUN -81.0 -80.6 -80.8 -81.3 -81.1 -80.6	TAB NO  IMPACT .531  AZA 36.5 36.7 35.5 36.4 37.5 36.7	ALT 613.03787 A. B 6.69114 C. 6.60163 O. 6.73432 O. 6.79100 O. 6.65313 O. 6.60163 C.	ATLAS PHOTO  LAT LOI -7.403 -27.4  /A AZPHAZ 835 -89.1  852 -88.5  827 -88.4  817 -89.9  842 -89.9  852 -88.5	NO 4 N 484 INCO P 69.0 3 68.5 4 69.6 3 69.6 3 68.6 4 68.5 4	R 2348.493 HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 0.7 32.6 0.8 31.6	V 2.316 ALPHA 28.1 26.6 29.8 29.7 26.4 26.6	PTH AZ -68.742 115.9  SCALE PT- 0. 17.61640 2- 30.05352 3- 15.86956 5- 14.92447 6-	7 55 19 PT 2 3 4 5
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.887 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR	RANGE 696.42801 687.06601 700.90654 700.77956 687.06601 687.06601 687.06601	AZS/C AZN 53.5 11.5 53.0 10.9 56.0 11.7 53.8 12.1 50.9 11.3	SEC IO 272. AZSUN -81.0 -80.6 -80.8 -81.3 -81.1	IMPACT .531 AZA 36.5 36.7 35.5 36.4 37.5 36.7 TAB NO	ALT 613.03787 A. B. 6.69314 C. 6.60163 O. 6.73432 O. 6.791CO O. 6.65313 O. 6.60163 C.	ATLAS PHOTO  LAT LOI -7.403 -27.  /A AZPHAZ 835 -89.1 852 -88.5 827 -88.4 817 -89.9 852 -88.5 ATLAS PHOTO	NO 4 N 484 INCD P 69.0 3 68.5 4 69.4 3 68.6 4 69.6 3 68.6 4	R 2348.493 HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 8.5 35.2 0.7 32.6	V 2.316 ALPHA 28.1 26.6 29.8 29.7 26.4 26.6	PTH AZ -68.742 115.9  SCALE PT- 0. 17.61640 2- 30.05352 3- 15.86956 5- 14.92447 6-	7 55 19 PT 2 3 4 5
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.887 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785	RANGE 696.42801 687.06601 700.90654 700.77956 687.06601 687.06601 687.06601	AZS/C AZN 53.5 11.5 53.0 10.9 56.0 11.7 53.8 12.1 50.9 11.3	SEC TO 272.  AZ SUN -81.0 -80.6 -80.8 -81.1 -80.6	TAB NO  IMPACT 531  AZA 36.5 36.7 35.5 36.4 37.5 36.7  TAB NO	ALT 613.03787 A• B 6.99314 C. 6.00163 O. 6.791CO O. 6.791CO O. 6.65313 O. 6.60163 C.	ATLAS PHOTO  LAT LOI -7.403 -27.  /A AZPHAZ 855 -88.1   852 -88.5   827 -88.4   817 -89.9   842 -89.9   852 -88.5   ATLAS PHOTO	NO 4  N 484  INCD P 69.0 3 369.6 3 369.6 3 468.5 4 NO 4	R 2348.493 HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 8.5 35.2 0.7 32.6 0.8 31.6	V 2.316  ALPHA 28.1 26.6 29.8 29.7 26.4 26.6  POD SI	PTH AZ -68.742 115.9  SCALE PT- 17.61640 2- 30.05332 3- 15.86956 4- 30.46565 5- 14.92447 6-  EQUENCE NO 6	7 55 19 PT 2 3 4 5 6 7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.887 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA	21 MIN 16 SE  RANGE A 696.42801 - 687.06601 - 700.90654 - 706.77956 - 687.06601 - 21 MIN 22 SE	AZS/C AZN -53.5 11.5 -53.0 10.9 -56.0 11.7 -53.8 12.1 -50.9 11.3 -53.0 10.9	SEC TO 272.  AZ SUN -81.0 -80.6 -80.8 -81.3 -81.1 -80.6	TAB NO  IMPACT .531  AZA 36.5 36.7 35.5 36.4 37.5 36.7  TAB NO	ALT 613.03787 A. B 6.69314 C. 6.60163 O. 6.79100 O. 6.65313 O. 6.60163 C. 47	ATLAS PHOTO  LAT LOI -7.403 -27.4  /A AZPHAZ 852 -88.5 852 -88.5 842 -88.9 842 -88.9 842 -88.9 ATLAS PHOTO  LAT LCI -7.463 -27.	NO 4 N 484 INCD P 68.5 4 69.4 3 69.6 3 69.6 4 68.5 4 NO N 358	R 2349.493 HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 0.7 32.6 0.7 32.6 47	V 2,3116  ALPHA 28.1 26.6 29.8 29.7 26.4 26.6  POD SI	PTH AZ -68.742 115.9  SCALE PTI- 0. 17.61640 2- 30.05352 3- 15.86956 4- 14.92447 6- EQUENCE NO 6	7 55 19 PT 2 3 4 5 6 7 63
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT 2 -12.098 -19.231 3 -11.807 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN	RANGE A A COMMIN 22 SE	AZS/C AZN 10.53.5 11.5 10.53.0 10.9 10.56.0 11.7 10.56.0 11.7 10.50.9 11.3 10.9 10.9	SEC IO 2772- AZSUN -81.0 -80.6 -80.8 -81.3 -81.1 -80.6  SEC TO 265.	TAB NO  IMPACT .531  AZA 36.5 36.7 35.5 36.4 37.5 36.7 TAB NO	ALT 613.03787 A. B. 6.69314 C. 6.60163 O. 6.73432 O. 6.75312 O. 6.65313 O. 6.6513 C.	ATLAS PHOTO  LAT LOI -7.403 -27.4  7A AZPHAZ 835 -89.1 852 -88.5 827 -88.4 817 -89.9 852 -88.5  ATLAS PHOTO  LAT LCI -7.463 -27.4  7A AZPHAZ	NO 4  N 484  INCD P 69.0 3 668.5 4 4 3 669.6 3 668.6 4 68.5 4  NO N 358  INCC P	R 2348.493  MAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 0.7 32.6 0.8 31.6  47  R 2333.977  HAZ EMIS	POD SI  V 2,316  ALPHA 28.1 26.6 29.8 29.7 26.4  POD SI  V 2,322  ALPHA	PTH AZ -68.742 115.9  SCALE PT- 10.17.61640 2- 130.05332 3- 15.86956 4- 14.92447 6- EQUENCE NO 6	7 55 19 PT 2 3 4 5 6 7 63
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT 2 -12.098 -19.231 3 -11.807 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.068 -19.248 3 -11.862 -19.248	RANGE A 696.42801 - 687.06601 - 700.79654 - 700.79654 - 687.06601 - 21 MIN 22 SE	AZS/C AZN 10.53.5 11.5 10.9 11.5 10.9 11.7 10.9 11.	SEC TO 272.  AZ SUN -81.0 -80.6 -80.8 -81.3 -81.1 -80.6  SEC TO 265.  AZ SUN -81.0 -81.3 -81.1 -80.6	TAB NO  IMPACT 531  AZA 36.5 36.7 35.5 36.7 TAB NO  IMPACT 811  AZA 36.5	ALT 613.03787 A. B. 6.69314 C. 6.60163 O. 6.73432 O. 6.75312 O. 6.65313 O. 6.6513 C.	ATLAS PHOTO  LAT LOI -7.403 -27.4  /A AZPHAZ 852 -88.5 827 -88.4 817 -89.9 642 -69.9 642 -69.9 642 -69.9 647 -7.463 -27.4  ATLAS PHOTO  LAT LCI -7.463 -27.4  // AZPHAZ 835 -89.1	NO 4 N 484 NO 969.0 3 668.5 4 NO 98358 NO 98358 NO 98358 NO 98358	R R 2348.493  HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 0.7 32.6 0.7 32.6 47  R 2333.977	POD SI  V 2,316  ALPHA 28.1 26.6 29.8 29.7 26.4 POD SI  V 2,322  ALPHA 28.1	PTH AZ -68.742 115.9  SCALE PT- 30.05352 3- 15.86956 4- 14.92447 6-  EQUENCE NO 6  PTH AZ -68.655 115.99  SCALE PT- 0. 17.20793 2-	7 55 19 PT 2 3 4 5 6 7 63
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.887 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.068 -19.248 3 -11.862 -19.789 4 -11.797 -18.801 5 -12.295 -18.684 6 -12.333 -19.689 7 -11.862 -19.789  JULY 31,1964 13 HR  TRAJECTORY DATA	21 MIN 16 SE  RANGE	AZS/C AZN -53.5 11.5 -53.0 10.9 -56.0 11.7 -53.8 12.1 -50.9 11.3 -53.0 10.9 -60.0 11.7 -53.5 11.5 -53.0 10.9 -53.5 11.5 -53.0 10.9 -53.9 12.0 -53.9 12.0	5EC TO 272- AZ SUN -81.0 -80.6 -80.8 -81.3 -81.1 -80.6 -81.3 -81.0 -80.6 -81.3 -81.0 -80.7 -80.8 -81.3 -80.7	TAB NO  !MPACT 1.531  AZA 36.5 36.7 35.5 36.4 37.5  TAB NO  !MPACT 1.811  AZA 36.5 36.7 36.5 36.7 36.6 37.5 36.7 TAB NO	ALT 613.03787  A	ATLAS PHOTO  LAT LOI -7.403 -27.4  A AZPHAZ  852 -88.5  827 -88.4  817 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  642 -89.9  643 -89.1  852 -88.5  ATLAS PHOTO  A AZPHAZ  835 -88.5  828 -88.5  ATLAS PHOTO	NO 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2348.493  HAZ EMIS 9.6 33.4 6.34.2 6.0 8.8 31.6 6.7 32.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6 6.8 31.6	POD SI  V 2,316  ALPHA 28.1 26.6 29.8 29.7 26.6  POD SI  V 2,322  ALPHA 28.1 26.6 29.8 29.7 26.5 POD SI	PTH AZ -68.742 115.9  SCALE PT- 0. 1- 17.61640 2- 30.05352 3- 15.86956 4- 30.46565 1- EQUENCE NO 6  PTH AZ -68.655 115.9  SCALE PT- 0. 17.20793 2- 19.49961 4- 29.75061 5- 14.57728 6-  EQUENCE NO 6	7 55 19 PT 2 3 4 5 6 7 6 6 3 0 1 7 6 6 7 6 6 7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.807 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.068 -19.248 3 -11.862 -19.789  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON TRAJECTORY DATA PT LAT LON  TRAJECTORY DATA PT LAT LON	RANGE A 696.42801 - 687.06601 - 700.90654 - 700.97956 - 092.45466 - 867.06601 - 21 MIN 22 SE  **ANGE A 680.39355 - 671.25256 - 690.49532 - 670.50731 - 671.25256 - 21 MIN 28 SF	AZS/C AZN  AZS/C AZN  53.5 11.5  53.0 10.9  56.0 11.7  53.8 12.1  50.9 11.3  53.0 10.9  EC 988 MS  AZS/C AZN	SEC TO 272-2  AZ SUN -81.0 -80.6 -80.8 -81.3 -81.1 -80.6  SEC TO 200-80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	TAB NO  IMPACT 531  AZA 36.5 36.7 35.7 36.4 37.5 36.7  TAB NO  IMPACT 811  AZA 36.5 36.7  TAB NO	ALT 613.03787  A. B. 6.69314 C. 6.60163 O. 6.79422 O. 6.79100 O. 6.65313 O. 47  ALT 598.52148  A. B. 6.539C4 O. 6.57927 O. 6.644968 C. 48  ALT 587.61664  A. B.	ATLAS PHOTO  LAT LOT -7.403 -27.4  A AZPHAZ 2835 -89.1 852 -88.5 827 -88.4 817 -89.9 852 -88.5 818 85 88 85 88 85 88 88 88 88 88 88 88 88	NO 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2348.493  HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 8.5 35.2 0.7 32.6 0.8 31.6 47  R 2333.977  HAZ EMIS 9.6 33.3 0.8 31.6 0.8 31.6 48  R 2323.072	POD SI  V 2,316  ALPHA 28.1 26.6 29.8 29.7 26.4  POD SI  V 2,322  ALPHA 29.8 29.7 26.6  POD SI  V 2,326  ALPHA	PTH AZ -68.742 115.9  SCALE PT30.05352 3- 15.86956 4- 30.46565 5- EQUENCE NO 6  PTH AZ -68.655 115.9  SCALE PT- 0. 17.20793 2- 29.35944 3- 29.476061 5- 14.57728 6-  EQUENCE NO 6	7 55 19 PT 2 3 4 5 6 6 7 6 6 3 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.807 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.068 -19.248 3 -11.862 -19.789 4 -11.797 -18.801 5 -12.295 -18.604 6 -12.333 -19.689 7 -11.862 -19.789  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -12.096 -19.261	RANGE A 690.42801 - 687.06601 - 700.790654 - 700.790654 - 687.06601 - 21 MIN 22 SE 680.39355 - 671.25256 - 644.76960 - 670.46932 - 676.50731 - 671.25256 - 21 MIN 28 SE	AZS/C AZN  AZS/C AZN  10.9	SEC IO 272.  AZ SUN -81.3 -81.1 -80.6  SEC TO 265.  AZ SUN -81.0 -80.8 -81.3 -81.1 -80.6	TAB NO  !MPACT .531  AZA .36.5 .36.7 .35.5 .36.4 .37.5 .36.7 .36.5 .48 .10 .10 .10 .10 .10 .10 .10 .10 .10 .10	ALT 613.03787  A B 6.69314 C. 6.60163 O. 6.73432 O. 6.79100 O. 6.65313 O. 6.60163 C.  47  ALT 598.52148  A. 6.53946 C. 6.44968 C. 6.57927 O. 6.34546 C. 6.49991 O. 6.44968 C. 48  ALT 587.61664  A. 6.6.2316 O.	ATLAS PHOTO  LAT LOI -7.403 -27.  /A AZPHAZ 835 -89.1 852 -88.5 87 -88.4 817 -89.9 852 -88.5  ATLAS PHOTO  LAT LCI -7.463 -27.  /A AZPHAZ 835 -89.1 852 -88.5 826 -88.4 827 -88.5 828 -88.5	NO 4 18484 INCO P 3 1868.5 4 99.4 3 3 69.6 3 4 668.5 4 NO 4 1869.6 3 4 668.5 4 NO 4 1869.6 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	R 2348.493 HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 8.5 35.2 0.7 32.6 0.8 31.6 47  R 2333.977 HAZ EMIS 9.6 33.3 0.8 31.6 48  R 2323.072 48  R 2323.073	POD SI  V 2,316  ALPHA 28.1 26.6 29.8 29.7 26.6  POD SI  V 2,322  ALPHA 28.1 26.5 POD SI  V 2,326  POD SI	PTH AZ -68.742 115.9  SCALE PT- 30.05352 3- 15.86956 4- 14.92447 6-  EQUENCE NO 6  PTH AZ -68.655 115.9  SCALE PT- 0. 17.20793 2- 29.35944 1- 29.76061 5- 14.57728 6-  EQUENCE NO 6	7 55 19 PT 2 3 4 5 6 6 7 6 3 4 5 6 7 6 6 9 1 8 6 9 1 8 1 8 6 9 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.887 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.068 -19.288 3 -11.862 -19.789  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -12.068 -19.289 7 -11.862 -19.789  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -12.046 13 HR  PHOTO DATA PT LAT LON 2 -12.046 -19.261	RANGE A 696.42801 - 687.06601 - 700.79654 - 700.77956 - 687.06601 - 21 MIN 22 SE  KANCE 680.39355 - 671.25256 - 670.39532 - 671.25256 - 21 MIN 28 SE	AZS/C AZN  AZS/C AZN  53.5 11.5  53.0 10.9  56.0 11.7  53.8 12.1  50.9 11.3  53.0 10.9  EC 988 MS  AZS/C AZN	SEC TO 272-2 AZ SUN -80-6 -80-6 -80-6 -80-6 -80-6 -80-7 -80-7 -80-7 -80-7 -80-7 -80-7 -80-7 -80-8 -81-3 -81-1 -80-7 -80-7 -80-8 -81-3 -81-1 -80-7 -80-7 -80-8 -81-3 -81-1 -80-7 -80-7 -80-8 -81-3 -81-1 -80-7 -80-7 -80-8 -81-3 -81-	TAB NO  IMPACT .531  AZA 36.5 36.7 35.5 36.4 37.5 36.7  TAB NO  IMPACT .531  AZA 36.5 36.7  TAB NO  IMPACT .771  AZA .705.5 .707  TAB NO	ALT 613.03787  A. B. 6.69314 C. 6.60163 O. 6.79422 O. 6.79100 O. 6.65313 O. 47  ALT 598.52148  A. B. 6.539C4 O. 6.57927 O. 6.644968 C. 48  ALT 587.61664  A. B.	ATLAS PHOTO  LAT LOI -7.403 -27.4  A AZPHAZ 835 -89.1 852 -88.5 827 -88.4 817 -89.9 852 -88.5  ATLAS PHOTO  LAT LCI -7.463 -27.  //A AZPHAZ 835 -89.1 852 -88.5  ATLAS PHOTO  LAT LCI -7.463 -27.  //A AZPHAZ 835 -89.1 852 -88.5  ATLAS PHOTO  LAT LCI -7.463 -27.  //A AZPHAZ 836 -89.9 852 -88.5  ATLAS PHOTO	NO 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	R 2348.493  HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 8.5 35.2 0.7 32.6 0.8 31.6 47  R 2333.977  HAZ EMIS 9.6 33.3 0.8 31.6 0.8 31.6 48  R 2323.072	POD SI  V 2,316  ALPHA 28.1 26.6 29.8 29.7 26.4  POD SI  V 2,322  ALPHA 29.8 29.7 26.6  POD SI  V 2,326  ALPHA	PTH AZ -68.742 115.9  SCALE PT30.05352 3- 15.86956 4- 30.46565 5- EQUENCE NO 6  PTH AZ -68.655 115.9  SCALE PT- 0. 17.20793 2- 29.35944 3- 29.476061 5- 14.57728 6-  EQUENCE NO 6	7 55 19 PT 2 3 4 5 6 7 6 3 01 PT 2 3 4 5 6 7 6 6 9 8 6 9 PT 2 3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.887 -19.785 4 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -12.068 -19.248 3 -11.862 -19.789 4 -11.797 -18.801 5 -12.295 -18.084 6 -12.333 -19.089 7 -11.862 -19.789  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.096 -19.289  JULY 31.1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.864 -19.792 4 -11.779 -18.822 5 -12.269 -18.707	RANGE 680.42801 - 687.06601 - 700.790654 - 700.790654 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 687.06601 - 677.06601 - 677.06601 - 687.06601 - 687.06601 - 677.06601	AZS/C AZN 53.5 11.5 53.0 10.9 553.0 10.9 11.3 56.0 11.7 53.8 12.1 50.9 11.3 53.0 10.9 EC 988 MS AZS/C AZN 53.5 11.5 53.0 10.9 56.0 11.7 53.9 12.0 56.0 11.7 57.5 67.5 68.5 69	SEC TO 272.  AZ SUN -81.0 -80.6 -80.8 -81.3 -81.1 -80.6  SEC TO 265.  AZ SUN -81.0 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.8 -81.3 -81.0 -80.7 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8 -80.8	TAB NO  IMPACT .531  AZA 36.5 36.7  TAB NO  IMPACT .811  AZA 36.5 36.7  TAB NO  IMPACT .711  AZA 36.5 36.7  TAB NO	ALT 598.52148  ALT 598.52148  A. 6.533924 O. 6.65313 O. 6.65314 O. 6.65314 O. 6.65314 O. 6.65314 O. 6.65314 O. 6.65314 O. 6.64948 O. 6.44948 O. 6.44948 O. 6.44948 O. 6.44968 O. 6.44968 O. 6.44968 O. 6.46968 O. 6.46968 O.	ATLAS PHOTO  LAT LOT -7.403 -27.4  A AZPHAZ 835 -89.1 852 -88.5 8242 -89.9 9852 -88.5 4  ATLAS PHOTO  LAT LCT -7.463 -27.4  AZPHAZ 835 -89.1 27.4  LAT LCT -7.463 -27.4  AZPHAZ 835 -89.5 828 -88.5	NO 4 484 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2348.493 HAZ EMIS 9.6 33.6 8.6 34.2 8.5 35.2 0.8 31.6 47  R 2333.977 HAZ EMIS 9.6 33.3 9.7 18.6 3.6 34.2 8.5 35.2 0.8 31.6 48  R 2323.072 HAZ EMIS 9.6 33.3 6.8 34.2 8.5 35.2 0.8 31.6 48  R 2323.072	POD SI  V 2.316  ALPHA 28.1 26.6 29.8 29.7 26.6  POD SI  V 2.322  ALPHA 28.1 26.6  POD SI  V 2.322  ALPHA 28.1 26.6  POD SI  V 2.326  ALPHA 28.1 26.6 29.8 29.7 26.5 26.6	PTH AZ -68.742 115.9  SCALE PT- 0.1-17.61640 2- 130.05332 3- 15.86956 4- 14.92447 6-  EQUENCE NO 6  PTH AZ -68.655 115.9  SCALE PT- 0.1-17.20793 2- 29.35944 3- 15.49961 4- 29.76061 5- 14.57728 6-  EQUENCE NO 6  PTH AZ -68.590 115.8  SCALE PT- 0.1-17.20793 2- 29.35944 3- 15.49961 4- 16.90079 2- 28.83748 3- 15.90079 2- 28.83748 4- 15.22143 4-	7 55 19 PT 2 3 4 5 6 6 7 6 6 9 PT 2 3 4 5 6 7 6 6 9 8 6 6 9 PT 2 3 4 5 6 7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -12.098 -19.231 3 -11.807 -19.281 5 -11.820 -18.774 5 -12.330 -18.653 6 -12.369 -19.682 7 -11.887 -19.785  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 2 -12.068 -19.288 3 -11.862 -19.789  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 2 -12.068 -19.289 6 -12.333 -19.699 7 -11.862 -19.789  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -12.066 -19.789  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -12.066 -19.261 3 -11.844 -19.792 4 -11.779 -16.822 5 -12.269 -18.707 6 -12.396 -19.694	21 MIN 16 SE  RANGE	AZS/C AZM 53.5 11.5 53.0 10.9 553.0 10.9 553.0 10.9 156.0 11.7 553.8 12.1 150.9 11.3 153.0 10.9 16.53.5 11.5 16.53.0 10.9 17.53.9 12.0 17.53.9 12.0 17.53.9 12.0 17.53.9 11.2 17.53.0 10.9 17.53.0 10.9 17.53.1 10.9	SEC TO 2772.  AZ SUN -80.6 -80.8 -81.3 -81.1 -80.6  SEC TO 265.  AZ SUN -81.0 -80.7 -80.8 -81.3 -81.1 -80.7 -80.7 -80.8 -81.3 -81.1 -80.7 -80.8 -81.3	TAB NO  !MPACT .531  AZA .36.5 .36.7 .35.5 .36.4 .37.5 .36.4 .37.5 .36.7 .36.7 .36.7 .36.7 .36.7 .36.7 .36.7 .36.7 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5 .36.7 .36.5	ALT 598.52148  ALT 598.52148  A. 6.533924 O. 6.65313 O. 6.65314 O. 6.65314 O. 6.65314 O. 6.65314 O. 6.65314 O. 6.65314 O. 6.64948 O. 6.44948 O. 6.44948 O. 6.44948 O. 6.44968 O. 6.44968 O. 6.44968 O. 6.46968 O. 6.46968 O.	ATLAS PHOTO  LAT LOTT-1,403 -27.  /A AZPHAZ /B52 -88.5 1827 -88.5 827 -88.5  ATLAS PHOTO  LAT LCT-7,463 -27.  /A AZPHAZ /B52 -88.5 88.5  ATLAS PHOTO  LAT LCT-7,463 -27.  /A AZPHAZ /B52 -88.5  ATLAS PHOTO  LAT LCT-7,463 -27.  /A AZPHAZ /B52 -88.5  ATLAS PHOTO  LAT LCT-7,463 -29.9  /A AZPHAZ /B52 -88.5  ATLAS PHOTO  LAT LCT-7,509 -27.  /A AZPHAZ /B52 -88.5  ATLAS PHOTO	NO 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2348.493  HAZ EMIS 9.6 33.4 0.8 31.6 8.6 34.2 8.5 35.2 0.7 32.6 0.8 31.6  R 2333.977  HAZ EMIS 9.6 33.3 0.8 31.6  R 2323.072 2.6 2.7 32.6 0.8 31.6	POD SI  V 2,3116  ALPHA 28.1 26.6 29.8 29.7 26.4 26.6  POD SI  V 2.322  ALPHA 28.1 26.6  POD SI  V 2.322  ALPHA 29.7 26.5  POD SI  ALPHA 29.8 29.7 26.6  POD SI  V 2.322	PTH AZ -68.742 115.9  SCALE PTI- 0. 1- 17.61640 2- 30.05352 3- 15.89956 4- 30.46565 5- 14.9247 6- EQUENCE NO 6  PTH AZ -68.655 115.9  SCALE PTI- 0. 17.20793 2- 15.49961 4- 29.76061 5- 14.57728 6- EQUENCE NO 6  PTH AZ -68.590 115.8  SCALE PTI- 0. 17.2079 3- 15.49961 4- 29.76061 5- 16.57728 6- EQUENCE NO 6  PTH AZ -68.590 115.8  SCALE PTI- 0. 12.90079 2- 28.83748 3- 28.83748 3-	7 55 19 PT 2 3 4 5 6 6 7 6 6 9 PT 2 3 4 5 6 6 7 6 6 9 8 6 6 7 6 6 9 8 6 6 7 6 6 9 8 6 6 7 6 6 9 8 6 6 7 6 6 9 8 6 6 9 8 6 6 7 6 6 9 8 6 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 8 6 9 9 9 9

			RA-VII CAMERA	P1.			_ 9
			TAB NO	49	ATLAS PHOTO NO	49	POD SEQUENCE NO 679
JULY 31,1964 13 HR	21 MIN 36 SEC 42			AL T	1.47	R	V PTH AZ
TRAJECTORY DATA			SEC TO IMPACT 252.372		LAT LON -7.587 -27.102		V PTH AZ 2.333 -68.479 115.862
PHOTO DATA PT LAT LON 2 -12.009 -19.286 3 -11.812 -19.801	RANGE AZS/C	AZN	AZSUN AZA	A+	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
2 -12.009 -19.286	648.15021 -53.6	11.4	-81.0 36.4 -80.7 36.6		0.836 -89.1 69.0 0.853 -88.5 68.4	39.6 33.3 40.8 31.5	28.1 0. 1- 2 26.6 16.38564 2- 3
4 -11.750 -18.860	652.31802 -56.0	11.6	-80.8 35.5	6.26748	0.828 ~88.4 69.4	38.6 34.1	29.8 27.96190 3- 4
5 -12.224 -16.749 6 -12.261 -19.706	657.74849 -53.9 644.44172 -51.0	12.0	-81.3 36.3 -81.2 37.4	6.31990	0.818 -89.8 69.5 0.84389.9 _68.6	38.5 35.1 40.7 32.6	29.6 14.75603 4- 5 26.4 28.34109 5- 6
7 -11.812 -19.801	639.45544 -53.1	10.9	-80.7 36.6	6.14416	0.853 -88.5 68.4	40.8 31.5	26.6 13.87949 6- 7
JULY 31,1964 13 HR	21 MIN 43 CEC 14	7 W.	TAB NO	50	ATLAS PHOTO NO	50	PUD SEQUENCE NO 687
							07: 47
TRAJECTORY DATA			SEC TO IMPACT 245.652	ALT 554.81079	LAT LON -7.649 -26.971	2290.266	2.339 -68.390 115.842
PHOTO DATA PT LAT LON	RANGE AZSZO	AZN	AZSUN AZA	A *	B/A AZPHAZ INCO	PHAZ EMIS	ALPHA SCALE PT-PT
2 -11.978 -19.306	631.94466 -53.6	11.4	-81.0 36.4	6.07342	0.836 -89.1 68.9	39.6 33.3	28.1 0. 1- 2 26.6 15.97213 2- 3
	623.47469 -53.1 636.00704 -56.1		-80.7 36.6 -80.7 35.5	5.99061 6.11076		40.7 31.5 38.5 34.1	29.7 27.2589034
5 -12.189 -18.783	641.28970 -54.0	12.0	-81.3 36.2	6.16175	0.819 -89.8 69.5	38.5 35.0	29.6 14.38254 4- 5
6 -12.224 -19.716 7 -11.787 -19.808	628.32650 -51.1 623.47469 -53.1		-81.2 37.3 -80.7 36.6		0.843 -89.9 68.6 0.853 -88.5 68.4	40.7 32.5	26.4 27.62711 5- 6 26.6 13.52902 6- 7
1 111101 171000	025447707 754		TAB NO	51	ATLAS PHOTO NO	51	POD SEQUENCE NO 695
JULY 31,1964 13 HR	21 MIN 49 SEC 86	7 MS	IAB NO	31	AIDAS FROID NO	31	~
TRAJECTORY DATA			SEC TO IMPACT		LAT LON -7.713 -26.839	K 2215-642	V PTH AZ 2.345 -68.299 115.822
PHOTO DATA							
PT LAT LON 2 -11.949 -19.328	RANGE AZS/0		AZSUN AZA -81.0 36.4	A. 6.91724	B/A AZPHAZ INCD C.837 -89.1 68.9	39.6 33.2	ACTION SOME
3 -11.762 -19.817	607.44978 -53.2	10.9	-80.7 36.5	5.83664	0.853 -88.5 68.4	40.8 31.5	26.6 15.55742 2- 3
4 -11.703 -18.924 5 -12.154 -18.819	619.64925 -56.1 624.78594 -54.0	11.6		5.95360		38.6 34.0 38.5 35.0	29.7 26.55311 3- 4 29.6 14.00884 4- 5
6 -12.188 -19.727	612.16879 -51.		-61.2 37.3			40.7 32.5	26.4 26.91049 5- 6
7 -11.752 -19.817	607.44978 -53.					40.8 31.5	26.6 13.17828 6- 7
			TAB NO	52	ATLAS PHOTO NO	52	POD SEQUENCE NO 701
JULY 31,1964 13 HR	21 MIN 54 SEC 90	16 MS					V PTH <b>A7</b>
TRAJECTORY DATA			SEC TO IMPACT 233.893	AL T 529.19958	LAT LON -7.761 -26.738	R 2264.655	V PTH AZ 5 2.349 -68.231 115.807
PHOTO DATA PT <b>lat</b> lon	RANGE AZSZI	. AZN	AZSUN AZA	A •	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
2 -11.927 -19.345	603.47379 -53.	11.4	-81.0 30.3	5.79979	0.837 -89.1 68.9	39.6 33.2	28.1 0. 1-2
3 +11.744 -19.824 4 -11.686 -18.948	595.39852 -53.3 607.34768 -56.	10.9		5.72085 5.83540	0.853 -88.5 68.4 0.829 -88.4 69.3	40.8 31.5	26.6 15.24566 2- 3 29.7 26.02235 3- 4
5 -12.128 -18.846	612.37505 -54.6		-81.3 36.2	5.88393	0.820 -89.8 69.4	38.5 35.0	29.5 13.72785 4- 5
6 -12.162 -19.736 7 -11.744 -19.824	600.01803 -51. 595.39852 -53.		-81.2 37.2 -80.7 36.5	5.76500	C.844 -89.8 68.6 C.853 -88.5 68.4	40.8 31.5	26.4 26.37163 5-6 26.6 12.91467 6-7
7 -11.744 -19.824	343.34672 -33.	10.9					POD SEQUENCE NO 713
JULY 31,1964 13 HR	22 MIN 4 SEC 9	36 MS	TAB NO	53	ATLAS PHOTO NO	53	FOR SEVERICE NO. 713
TRAJECTORY DATA			SEC TO IMPACT 223.814		LAT LCN -7.859 -26.534	R 2242 634	V PTH AZ 4 2.358 -68.092 115.775
PHOTO DATA			223.014	201.11414	-1.639 -20.334	2242.03	
PT LAT LCN	RANGE AZS/	. AZN		A+		PHAZ EMIS	
2 -11.882 -19.381 3 -11.707 -19.840	578.92010 -53. 571.18652 -53.			5.48821	0.837 -89.1 68.9 0.853 -88.5 68.4	40.8 31.4	26.5 14.61858 2- 3
4 ~11.651 ~19.001	582.6299656.	1 11.6	-80.7 35.5	5.59792	C.83C -88.4 69.2	38.6 33.9 38.5 34.9	26.5 14.61858 2- 3 29.6 24.95473 3- 4
5 -12.075 -18.903 6 -12.107 -19.756	587.43786 -54. 575.60622 -51.	11.9		5.64432 5.53045		38.5 34.9 40.7 32.4	29.5 13.16358 4- 5 26.4 25.28769 5- 6
7 -11.707 -19.840	5/1.18652 -53.			5.48821		40.8 31.4	26.5 12.38510 6- 7
			TAB NO	54	ATLAS PHOTO NO	54	POD SEQUENCE NO 721
JULY 31,1964 13 HR	1 22 MIN 11 SEC 7	05 MS					
TRAJECTURY DATA			SEC TO IMPACT 217.094		LAT LON ! -7.925 -26.396		V PTH AZ 9 2.364 -67.998 115.754
PHOTO DATA PT LAT LCN	RANGE AZS/	C AZN	I AZSUN AZA	Α•	B/A AZPHAZ INCI	PHAZ EMIS	ALPHA SCALE PT-PT
2 -11.852 -19.407	562.47760 -53.	7 11.3	-81.0 36.3	5.40579	0.838 -89.1 68.3	39.7 33.1	28.0 0. 1-2
3 -11.681 -19.853	554.97315 -53.	3 10.8		5.33242	0.854 -88.5 68.	4 40.8 31.4 2 38.6 33.9	26-5 14-19845 2-3
4 -11.627 -19.038 5 -12.039 -18.942	566.07722 +56. 570.73856 -54.			5.43888 5.48387	C.821 -89.8 69.	3 38.5 34.8	29.4 12.78595 4- 5
6 -12.070 -19.771	559.25935 -51.	2 11.1	-61.2 37.1	5.37339	0.845 -89.8 68.	5 40.7 32.4	26.4 24.56158 5- 6
7 -11.681 -19.853	554.97315 ~53.	3 10.8	-80.7 36.4	5.33242	0.854 -88.5 68.	4 40.8 31.4	26.5 12.03076 6- 7

			RA-VI	I CAMERA	P1							10
				TAB NO	55	ATLAS	В РНОТО	NO.	55	POD 9	SEQUENCE NO	727 -
JULY 31,1964 13 HF	22 MIN 16 SEC 74	5 MS							-		SEQUENTE NO	
TRAJECTORY DATA				IMPACT		LAT		GN	R		PTH A	Z
PHOTO DATA	RANGE AZS/C			.054	481.4C86						-67.926 115	
PT LAT LCN 2 -11.829 -19.426	550.11562 -53.7	11.3	-81.0	AZA 36.3	A# 5.28698	6/A A	ZPHAZ -89.1	INCD	39.7 33	IS ALPHA .1 28.0	SCALE P	1-2
3 -11.662 -19.862 4 -11.609 -19.665	542.78298 -53.3	10.8	-80.7	36.4	5.21529	0.854	-88.5	68.4	40.8 31	4 26.5	13.88280	2~ 3
5 -12.011 -18.972	558.18417 -54.1	11.8	-61.3	36.2	5,31931 5,36324	0.821	-69.8	69.3	38.6 33 38.5 34	8 29.4	23.70205 12.50195	3- 4 4- 5
6 -12.043 -19.782 7 -11.662 -19.862	544.94909 -51 3		-81.2	37.1	5.25.530	0.845.	-89.8.	68.5	40.8 32	4 26.4	24.01607	56_
7 -11:002 -19:002	542.78298 -53.3	10.8			5.21529					4 26.5		6- 7
JULY 31,1964 13 HF	R 22 MIN 23 SEC 46	5 MS		TAB NO	56	ATLAS	<b>РНОТО</b>	) NO	56	POD :	SEQUENCE NO	735
TRAJECTORY DATA			SEC TO	TAPACT	ΔŧΤ	1-AT	11	n.N	R	v	PIH A	12
PHOTO DATA			205	.335	466.6431	8.04	2 -26	.150	2202.	098 2.375	-67.830 115	.715
PT LAT LON	RANGE AZS/C	AZN	AZ SUN	AZA	Δ.	B/A A	ZPHAZ	INCD	PHAZ EM	IS ALPHA	SCALE P	T-PT
2 -11.798 -19.452 3 -11.636 -19.875	533.59155 -53.7 526.48804 -53.3	11.3	-81.0 -80.7	36.3 36.4	5.12818 5.05872	0.838	-89.1	68.8	39.7 33	0 27.9	0.	1- 2
4 -11.584 -19.102	536.99865 -56.1	11.5	-80.7	35.5	5.15949.	0.831	-88.3	69.1	38.6.33	4 26.5 8 29.5	13.46119	3- 4
5 -11.975 -19.012 6 -12.005 -19.798	541.40379 -54.1 530.54070 -51.3	11.8	-81.3	36.1	5.20201	0.822	-89.8	69.2	38.6 34	-7 29-4	12.12278	4-5
6 -12.005 -19.798 7 11.536 -19.875	526.48804 -53.3	10.8	-81.2 -80.7	37.1 36.4	5.05872	0.845	-89.8	68.4	40.8 32	3 26.3	23.28741 11.40819	5- 6 6- 7
				TAB NO	57		S PHOTO		57		SEQUENCE NO	
JULY 31,1964 13 H	22 MIN 26 SEC 82	4 MS			••							
TRAJECTORY DATA					AL T		L	ON	R	٧	PTH A	Z
PHOTO DATA			201	.975	459.24948	-8.07	7 -26	.078	2194.	705 2.378	-67.782 115	.704
PT LAT LON 2 -11.782 -19.465	RANGE AZS/C	AZN	AZSUN -81.0	AZA 36.3	A+ 5 04450	B/A A	ZPHAZ	INCD	PHAZ EM	IS ALPHA .0 _27.9.	SCALE P	
3 -11.623 -19.882	518.32140 -53.3	10.8	-80.7	36.4	4.98026	0.854	88.5	68.4	40.8 31	.u2 <i>L</i> .9	13.25000	2- 3
4 -11.572 -19.121	528.66231 -56.1	11.5	-80.7	35.5	5.07940	0.832	-88.3	69.1	38.6 33	8 29.5	22.62446	3- 4
5 -11.956 -19.033 6 -11.986 -19.806	532.99432 -54.1 522.30734 -51.3	11.8	-81.3	36.1	5.12121		-89.8	69.2	38.6 34	.7 29.3	11.93289	4- 5
			-81.2	47.1	5.01835	0.845	-89.8	68.5	40.8 32	3 26 3		F- 4
7 -11.623 -19.882	522.30734 -51.3 518.32140 -53.3	10.8	-80.7	36.4	5.01835 4.98026	0.845 0.854	-89.8 -88.5	68.5	40.8 32 40.8 31	.3 26.3 .4 26.5		5- 6 6- 7
7 -11.623 -19.882	518.32140 -53.3	10.8	-80.7	37.1 36.4 TAB NO	5.01835 4.98026 <b>58</b>	0.854	-89.8 -88.5 PHOTO	68.5 68.4	40.8 32 40.8 31 <b>58</b>	4 26.5		6- 7
	518.32140 -53.3	10.8 4 MS	-80.7	TAB NO	4.98026 <b>58</b>	0.854	-88.5	68.5 68.4	40.8 31	4 26.5	11.22983	6- 7
7 -11.623 -19.882	518.32140 -53.3	10.8 4 MS	-80.7 -	TAB NO	4.98026 58	0.854 ATLAS	-88.5 <b>PHOTO</b>	68.5 68.4 NO	40.8 31 <b>58</b>	.4 26.5 POD \$	11.22983 SEQUENCE NO	6- 7 745 -
7 -11.623 -19.882  JULY 31.1964 13 HR  TRAJECTORY DATA	518.32140 -53.3  R 22 MIN 31 SEC 86	10.8 	-80.7 	TAB NO	4.98026 58 ALT 448.14560	0.854 ATLAS	-88.5 S PHOTO	68.5 68.4 NO CN .970	40.8 31 58 R 2183.	POD S	11.22983 SEQUENCE NO PTH A -67.709 115	745 - 745 -
7 -11.623 -19.882  JULY 31.1964 13 HR  TRAJECTORY DATA	518.32140 -53.3  R 22 MIN 31 SEC 86	10.8 	-80.7 	TAB NO	4.98026 58 ALT 448.14560	0.854 ATLAS	-88.5 S PHOTO	68.5 68.4 NO CN .970	40.8 31 58 R 2183.	POD S	11.22983 SEQUENCE NO PTH A -67.709 115	745 - 7 745 - 7 745 - 74
7 -11.623 -19.882  JULY 31.1964 13 HR  TRAJECTORY DATA	518.32140 -53.3  R 22 MIN 31 SEC 86	10.8 	-80.7 	TAB NO	4.98026 58 ALT 448.14560 A* 4.92892 4.86227	0.854 ATLAS LAT 0 -8.12 B/A A 0.839 0.854	-88.5 PHOTO 8 -25 ZPHAZ -89.1 -88.5	68.5 68.4 NO NO INCD 68.8 68.3	40.8 31 58 2183. PHAZ EM 39.7 33 40.8 31	POD S  V 601 2.383 IS ALPHA 0 27.9 3 26.5	11.22983 SEQUENCE NO PTH A -67.709 115 SCALE P 0. 12.93236	745 - 745 -
7 -11.623 -19.882  JULY 31.1964 13 HF  TRAJECTORY DATA  PHOTG DATA PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150	718.32140 -53.3 R 22 MIN 31 SEC 86 RANGE AZS/C 512.85880 -53.8 506.04251 -53.3 516.12788 -56.1	10.8 4 MS AZN 11.3 10.8 11.5	-80.7 SEC TO 196 AZSUN -81.0 -80.7	36.4 TAB NO IMPACT .935 AZA 36.2 30.4 35.5	4.98026 58 ALT 448.14566 A* 4.92892 4.86227 4.95897	0.854 ATLAS LAT 0.812 B/A A 0.839 0.854 0.832	-88.5 PHOTO 18 -25 12PHAZ -89.1 -88.5 -88.3	68.5 68.4 NO NO INCD 68.8 68.3 69.1	40.8 31 58 2183. PHAZ EM 39.7 33 40.8 31 38.6 33	POD S V 601 2.383 IS ALPHA .0 27.9 .3 26.5 .7 29.4	11.22983 SEQUENCE NO  PTH A-67.709 115  SCALE P 0. 12.93236 22.08345	745 - 7 745 - 7 745 - 7 77-PT 1- 2 2- 3 3- 4
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.150 5 -11.928 -19.156 6 -11.958 -19.018	518.32140 -53.3 R 22 MIN 31 SEC 86  RANGE AZSZC 512.85880 -53.8 516.12788 -56.1 520.35007 -54.1 520.35007 -54.1	AZN 11.3 10.8 11.5 11.8	-80.7 SEC TO 196 AZSUN -81.0 -80.7 -80.7 -81.3	36.4 TAB NO IMPACT .935 AZA 36.2 36.4 35.5 36.1 27.0	4.98026 58 ALT 448.14566 4.92892 4.86227 4.95897 4.99972	0.854 ATLAS LAT 0.839 0.839 0.854 0.832 0.832	-88.5 PHOTO 8 -25 ZPHAZ -89.1 -88.5 -88.3 -89.8	68.5 68.4 NO NO INCD 68.8 69.1	40.8 31 58 R 2183. PHAZ EM 39.7 33 40.8 31 38.6 33 38.6 34	POD S  V  601 2.383  IS ALPHA  .0 27.9  .3 26.5 .7 29.4 .7 29.3	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728	745 - 745 -
7 -11.623 -19.882  JULY 31.1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150 5 -11.928 -19.064	518.32140 -53.3 RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1	AZN 11.3 10.8 11.5 11.8	-80.7 SEC TO 196 AZSUN -81.0 -80.7 -80.7 -81.3	36.4 TAB NO IMPACT .935 AZA 36.2 36.4 35.5 36.1 27.0	4.98026 58 ALT 448.14566 4.92892 4.86227 4.95897 4.99972	0.854 ATLAS LAT -8.12 B/A A 0.839 0.854 0.832 0.823 0.846	-88.5 PHOTO 8 -25 2PHAZ -89.1 -88.5 -88.3 -89.8 -89.8	68.5 68.4 NO NO INCD 68.8 68.3 69.1 69.2 68.5	40.8 31 58 R 2183 PHAZ EM 39.7 33 40.8 31 38.6 33 38.6 34 40.8 32	POD S  V  601 2.383  IS ALPHA  .0 27.9  .3 26.5 .7 29.4 .7 29.3	11.22983 SEQUENCE NO  PTH A-67.709 115  SCALE P 0. 12.93236 22.08345	745 - 745 -
7 -11.623 -19.882  JULY 31.1964 13 HF  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.492 4 -11.553 -19.150 5 -11.928 -19.064 6 -11.958 -19.892	518.32140 -53.3 RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3	10.8 4 MS 11.3 10.8 11.5 11.8	-80.7 SEC TO 196 AZ SUN -81.0 -80.7 -81.3 -81.2 -80.7	36.4 TAB NO IMPACT .935 AZA 36.2 36.4 35.5 36.1 27.0	4.98026 58 ALT 448.14566 4.92892 4.86227 4.95897 4.99972 4.89941	0.854 ATLAS  LAT  -8.12  B/A A  0.839  0.854  0.852  0.823  0.846  0.854	-88.5 PHOTO 8 -25 2PHAZ -89.1 -88.5 -88.3 -89.8 -89.8	68.5 68.4 NO NO INCD 68.8 68.3 69.1 69.2 68.5 68.3	40.8 31 58 R 2183 PHAZ EM 39.7 33 40.8 31 38.6 33 38.6 34 40.8 32	POD S  FOD S  V  601 2.383  IS ALPHA  0 27.9  3 26.5  7 29.4  7 29.3  3 26.3  3 26.5	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335	745 - 75 - 7
7 -11.623 -19.882  JULY 31.1964 13 HF  TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.150 5 -11.928 -19.160 6 -11.958 -19.618 7 -11.603 -19.892  JULY 31,1964 13 HF	518.32140 -53.3 RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3	AZN 11-3 10-8 11-5 11-8 11-1 10-8	-80.7 SEC TO 196 AZSUN -81.0 -80.7 -80.7 -81.3 -81.2 -80.7	36.4 TAB NO IMPACT .935 AZA 36.2 36.2 36.4 36.1 27.0 36.4 TAB NO	4.98026 58 ALT 448.14566 4.92892 4.86227 4.99972 4.89941 4.86227	C.854  ATLAS  LAT  -8.12  B/A A  C.839  C.823  C.823  C.823  C.824  ATLAS	-88.5 PHOTO 8 -25 2PHAZ -89.1 -88.5 -88.3 -89.8 -89.8 -88.5 S PHOTO	68.5 68.4 NO NO INCD 68.8 68.3 69.1 69.2 68.5 68.3	40.8 31 58 R 2183 PHAZ EM 39.7 33 40.8 31 38.6 33 38.6 34 40.8 32 40.8 31	POD S  FOD S  V  601 2.383  IS ALPHA  0 27.9  3 26.5  7 29.4  7 29.3  3 26.3  3 26.5	11.22983 SEQUENCE NO PTH A -67.709 115 SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182	745 - 75 - 7
7 -11.623 -19.882  JULY 31.1964 13 HF  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.492 4 -11.553 -19.150 5 -11.928 -19.064 6 -11.958 -19.892	518.32140 -53.3 RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3	AZN 11-3 10-8 11-5 11-8 11-1 10-8	-80.7 SEC TO 196 AZSUN -81.0 -80.7 -80.7 -81.3 -81.2 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 30.4 35.5 36.1 27.0 36.4  TAB NO	4.98026 58 ALT 448.14566 4.92892 4.86227 4.95897 4.99972 4.89941 4.86227 59	0.854 ATLAS  LAT -8.12 B/A A 0.839 0.854 0.832 0.824 0.834 ATLAS	-88.5 PHOTO 18 -25 2PHAZ -89.1 -88.5 -88.3 -89.8 -89.8 -89.8	68.5 68.4 NO NO INCD 68.8 68.3 69.1 69.2 68.3 NO	40.8 31 58 R 2183 PHAZ EM 39.7 33 40.6 31 38.6 33 38.6 34 40.8 31 59	POD S  V  601 2.383  IS ALPHA  0 27.9  .3 26.5  .7 29.4  .7 29.3  .3 26.3  .9 20.5  POD S	11.22983 SEQUENCE NO PTH A -67.709 115 SCALE P 0 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO	6- 7 745 - 12 1-087 1- 2 2- 3 3- 4- 5 5- 6- 7 751
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.892 4 -11.553 -19.150 5 -11.928 -19.014 6 -11.958 -19.014 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA	518.32140 -53.3 R 22 MIN 31 SEC 86 RANGE AZS/C 512.85880 -53.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3 R 22 MIN 36 SEC 90	AZN 11.3 10.8 11.5 11.8 11.1 10.8	-80.7  SEC TO 196  AZSUN -81.0 -80.7 -80.7 -80.7 -81.3 -81.2 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 30.4 35.5 36.1 27.0 36.4 TAB NO	4.98026 58 ALT 448.14566 4.92892 4.86227 4.95897 4.89941 4.86227 59 ALT 437.02475	0.854 ATLAS  LAT -8.12  B/A A 0.839 0.854 0.823 0.824 0.854 ATLAS	-88.5 PHOTO 188 -25 2ZPHAZ -89.1 -88.5 -88.5 -88.5 S PHOTO	68.5 68.4 NO NO INCD 68.8 68.3 69.1 69.2 68.3 NO	40.8 31 58 2183 PHAZ EM 39.7 33 40.8 31 38.6 33 40.8 32 40.8 31 59	V V V V V V V V V V V V V V V V V V V	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 21.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115	6- 7 745 - XZ 1-087 Y-PT 1- 2 2- 3 3- 4- 5 5- 6 6- 7 751
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.892 4 -11.553 -19.150 5 -11.928 -19.014 6 -11.958 -19.014 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA	518.32140 -53.3 R 22 MIN 31 SEC 86 RANGE AZS/C 512.85880 -53.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3 R 22 MIN 36 SEC 90	AZN 11.3 10.8 11.5 11.8 11.1 10.8	-80.7  SEC TO 196  AZ SUN -81.0 -80.7 -80.7 -80.7 -80.7  SEC TO 191  AZ SUN	36.4 TAB NO  IMPACT .935  AZA 36.2 30.4 35.5 36.1 27.0 36.4 TAB NO	4.98026 58 ALT 448-14566 4.92892 4.86227 4.99972 4.89941 4.86227 59 ALT 437-02475	C.854  ATLAS  LAT  -8.12  B/A  C.839  C.823  C.823  C.824  ATLAS  LAT  -8.18  B/A  A	-88.5 PHOTO 288 -25 22PHAZ -89.1 -88.5 -88.3 -89.8 -89.8 -89.8 -89.5 -89.5 -89.5 -89.5 -89.5	68.5 68.4 NO NO INCD 68.8 68.3 69.1 69.2 68.5 0 NO	40.8 31 58 2183. PHAZ EM 39.7 33 40.8 31 38.6 33 40.8 32 40.8 31 59	V V 26.5 POD S V V 26.1 S ALPHA 2 2.383 26.3 POD S V V 480 2.388 LS ALPHA LS ALPHA	11.22983 SEQUENCE NO  PTH	745 - 745 -
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.758 -19.892 4 -11.553 -19.150 5 -11.928 -19.064 6 -11.958 -19.061 7 -11.603 -19.892  JULY 31.1964 13 HP  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903	518.32140 -53.3 R 22 MIN 31 SEC 86 RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.3507 -54.1 509.92828 -51.4 506.04251 -53.3 R 22 MIN 36 SEC 90 RANGE AZS/C 500.37420 -53.8	10.8 4 MS 11.3 11.5 11.8 11.5 10.8 4 MS	-80.7  SEC TC 196  AZSUN -81.0 -80.7 -80.7 -80.3 -81.2 -80.7  SEC TC 191  AZSUN -81.0 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.4 TAB NO  IMPACT .896  AZA 36.2 36.2	4.98026 58 ALT 448-14566 4.92892 4.86227 4.99972 4.89941 4.86227 59 ALT 437-02479 4.80893 4.74398	0.854 ATLAS  LAT -8.12 B/A A 0.839 0.834 0.832 0.823 0.846 0.835  ATLAS  LAT -8.18 B/A A 0.839 0.855	-88.5 PHOTO 188 -25 -27 PHAZ -89.1 -88.5 -88.5 -88.5 S PHOTO	68.5 68.4 NO INCD 68.8 69.1 69.2 68.3 NO INCD 68.3 1 NO	40.8 31 58 R 2183.· PHAZ EM 39.7 33 38.6 33 40.8 31 59 PHAZ EM 39.7 32 40.8 32 40.8 31	Control of the contro	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115  SCALE P 0. 12.61388	6- 7 745 - 12 1-087 1-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 751 12 12 1669 17-PT 1-2 2-3
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150 5 -11.928 -19.618 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA  PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903 4 -11.583 -19.903 4 -11.584 -19.179	518.32140 -53.3 R 22 MIN 31 SEC 86 RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.3507 -54.1 509.92828 -51.4 506.04251 -53.3 R 22 MIN 36 SEC 90 RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.55002 -55.3	AZN 11.3 10.8 11.5 11.8 11.1 10.8 4 MS	-80.7  SEC TO 196  AZ SUN -81.0 -80.7 -80.7 -80.7 SEC TO 191  AZ SUN -81.0 -80.7 -80.7	36.4 TAB NO  IMPACT 935  AZA 36.2 30.4 35.5 36.1 27.0 36.4  TAB NO  IMPACT 896  AZA 36.2 36.4 36.5	4.98026 58 ALT 448-14566 4.92892 4.86227 4.99972 4.89941 4.86227 59 ALT 437-02479 4.80893 4.74398	0.854 ATLAS  LAT -8.12 B/A A 0.839 0.834 0.832 0.823 0.846 0.835  ATLAS  LAT -8.18 B/A A 0.839 0.855	-88.5 PHOTO 188 -25 -27 PHAZ -89.1 -88.5 -88.5 -88.5 S PHOTO	68.5 68.4 NO NO INCD 68.8 69.1 69.2 68.3 NO INCD 68.3 69.1	40.8 31 58 R 2183 PHAZ EM 39.7 33 40.8 31 38.6 33 40.8 31 59 R 2172 PHAZ EM 2172 PHAZ EM 38.6 33 40.8 31 40.8 31 38.6 33 40.8 32 40.8 31 38.6 33 40.8 31 38.6 33 40.8 31 38.6 33 40.8 31 40.8 31 38.6 33 40.8 31 40.8 31 4	4 26.5 POD \$  \$ 601 2.383  IS ALPHA 0 27.9 3 26.5 7 29.4 7 29.4 3 26.5  POD \$  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115 SCALE P 0. 12.61388	6- 7 745 - 12.087 1-P2 2- 3 3- 4- 5 5- 6 6- 7 751 12.669 1-PT 1- 2 2-3 3-4
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150 5 -11.928 -19.618 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA  PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903 4 -11.534 -19.179 5 -11.904 -19.085 6 -11.994 -19.881	RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3 8 22 MIN 36 SEC 90  RANGE AZS/C 500.37420 -53.8 600.37420 -53.8 603.56002 -56.1 507.67239 -54.1 6477.51643 -51.4	AZN 11.3 10.8 11.5 11.8 11.1 10.8 4 MS	-80.7  SEC TO 196  AZ SUN -81.0 -80.7 -81.3 -81.2 -80.7  SEC TO 191  AZ SUN -81.0 -80.7 -80.7 -80.7 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.1 27.0 36.4 TAB NO  IMPACT .896  AZA 36.2 36.4 35.5 36.6 36.6 36.6 36.6 36.6 36.6 36.6	4.98026  ALT  448-14566  A.  4.92892  4.86227  4.99941  4.86227  59  ALT  437-0247:  4.80893  4.74398  4.83821  4.87791	0.854 ATLAS  LATT -8.12 B/A A C.839 0.854 ATLAS  LATT -8.18 B/A A C.839 0.836 0.836 0.836 0.836 0.836	-88.5 PHOTO 8 -25 8 -27 88.5 -88.5 -89.8 -99.8 -99.	68.5 68.4 NO CN .970 INCD 68.8 68.3 69.1 69.2 68.5 0 NO INCD 7 68.3 69.0 68.3	40.8 31 58 2183.* PHAZ EM 39.7 33 40.8 31 8.6 34 40.8 31 59 PHAZ EM 39.7 32 40.8 31 38.6 33 38.6 33	V V V V V V V V V V V V V V V V V V V	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115  SCALE P 0. 12.61388 21.54102 11.36114	6- 7 745 - 12 - 687 11- 2 - 3 3- 4- 5 5- 6- 7 751 12 - 669 11-PT 1- 2 - 3 3- 4- 5
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150 5 -11.928 -19.018 7 -11.603 -19.892  JULY 31,1964 13 HR  TRAJECTORY UATA PHOTO DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903 4 -11.554 -19.179 5 -11.900 -19.095	518.32140 -53.3 R 22 MIN 31 SEC 86 RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3 R 22 MIN 36 SEC 90 RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.56002 -56.1 507.67239 -56.1	AZN 11.3 10.8 11.5 11.8 11.1 10.8 4 MS	-80.7  SEC TO 196  AZ SUN -81.0 -80.7 -80.7 -80.7 SEC TO 191  AZ SUN -81.0 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.1 27.0 36.4 TAB NO  IMPACT .896  AZA 36.2 36.4 35.5 36.6 36.6 36.6 36.6 36.6 36.6 36.6	4.98026 58 ALT 448-14566 4.92892 4.86227 4.99972 4.89941 4.86227 59 ALT 437-02479 4.80893 4.74398	0.854 ATLAS  LATT -8.12 B/A A C.839 0.832 0.823 0.824 0.854 ATLAS  LATT -8.18 B/A A C.839 0.855 0.826 0.832 0.826 0.854	-88.5 PHOTO 8 -25 8 -27 88.5 -88.5 -89.8 -99.8 -99.	68.5 68.4 NO INCD 68.8 69.1 69.2 68.3 69.2 68.3 0 NO INCD 68.7 69.0 68.7 69.0 69.2 68.7 69.0 69.0	40.8 31 58 2183.* PHAZ EM 39.7 33 40.8 31 8.6 34 40.8 31 59 PHAZ EM 39.7 32 40.8 31 38.6 33 38.6 33	V V 26.5 POD S V V 27.9 3 26.5 POD S V V V V V V V V V V V V V V V V V V	11.22983 SEQUENCE NO  PTH  -67.709 115  SCALE P  0. 12.93236 22.08345 11.64728 10.96182 SEQUENCE NO  .  PTH  -67.635 115  SCALE P  0. 12.61388 21.54102 11.36114 21.82288	6- 7 745 - 12 - 687 11- 2 - 3 3- 4- 5 5- 6- 7 751 12 - 669 11-PT 1- 2 - 3 3- 4- 5
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150 5 -11.928 -19.618 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA  PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903 4 -11.534 -19.179 5 -11.904 -19.085 6 -11.994 -19.881	518.32140 -53.3  RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3  RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.56002 -56.1 507.67239 -54.1 493.73092 -53.3	AZN 11.3 10.8 11.5 11.8 11.5 11.8 11.5 11.8 11.5 11.8 11.5 11.8 11.5 11.8 11.5 11.8 11.5 11.8 11.5 11.8	-80.7 SEC TO 196 AZ SUN -81.0 -81.0 -80.7 -80.7 -81.3 -80.7 SEC TO 191 AZ SUN -81.0 -80.7 -80.7 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.1 27.0 36.4 TAB NO  IMPACT .896  AZA 36.2 36.4 35.5 36.6 36.6 36.6 36.6 36.6 36.6 36.6	4.98026  ALT  448.14566  4.92892  4.86227  4.95897  4.89941  4.86227  59  ALT  437.0247:  A.80893  4.74398  4.83821  4.87791  4.78616	0.854 ATLAS  LATT -8.12 B/A A C.839 0.832 0.824 0.854 ATLAS  LATT -8.18 B/A A 0.839 0.855 0.846 0.855	-88.5 PHOTO 8 -25 2PHAZ -89.1 -88.5 -88.5 PHOTO 10 -25 2PHAZ -89.1 -88.3 -89.8	68.5 68.4 NO  CN .970  INCD 68.8 68.3 69.2 68.5 8.3 0 NO  CN .860  INCD 68.7 68.3 69.0 68.7 68.3 69.0 68.7 68.3 69.0 0 NO	R 2183.** PHAZ EM 39.7 33 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 60	Control of the contro	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115 SCALE P 0. 12.61388 21.54102 11.36114 21.82288 10.69300  SEQUENCE NO	6- 7 745 - 12 - 687 11- 2 - 2 - 3 - 4 - 5 - 6 - 7 751 12 - 669 11- PT 1 - 2 - 2 - 3 - 4 - 5 - 6 - 7
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.486 3 -11.003 -19.492 4 -11.553 -19.150 5 -11.28 -19.016 6 -11.958 -19.016 7 -11.603 -19.092  JULY 31,1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903 4 -11.583 -19.903 4 -11.594 -19.179 5 -11.900 -19.095 6 -11.929 -19.831 7 -11.583 -19.903	518.32140 -53.3  RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3  RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.56002 -56.1 507.67239 -54.1 493.73092 -53.3	AZN 11.3 10.8 11.5 11.0.8 4 MS AZN 11.3 10.8 11.5 11.8 11.5 11.8 4 MS	-80.7 SEC TO 196 AZSUN -81.0.7 -80.7 -80.7 -81.3 -80.7 SEC TO 191 AZSUN -81.0 -81.0 -80.7 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.1 27.0 36.4 TAB NO  IMPACT .896  AZA 36.2 36.4 TAB NO	4.98026  ALT  448.14566  4.92892  4.86227  4.89941  4.86227  59  ALT  437.0247  A.  4.80893  4.74398  4.83821  4.87791  4.78016  4.74398  ALT	0.854 ATLAS  LATT -8.12 B/A A C.839 0.854 0.854 ATLAS  LATT -8.18 B/A A C.839 0.855 C.823 C.824 C.825 ATLAS	-88.5 PHOTO -88.5 -89.1 -88.5 -88.3 -89.8 -88.5 S PHOTO -25 -89.1 -89.8 -89.1 -89.1 -89.8 -89.1 -89.8 -89.1 -89.1 -89.1 -89.1	68.5 68.4 NO INCD 68.8 68.3 69.2 68.3 0 NO CN 68.3 69.0 68.3 69.0 68.3 69.0 68.3 0 NO	40.8 31 58 R 2183 PHAZ EM 39.7 33 38.6 33 38.6 34 40.8 32 40.8 31 59 PHAZ EM 39.7 32 40.8 31 38.6 34 40.8 32 40.8 31 86.6 34 40.8 32 40.8 31	Control of the contro	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.337335 10.96182 SEQUENCE NO  PTH A -67.635 115  SCALE P 0. 12.61388 21.54102 11.36114 21.82288 10.69300 SEQUENCE NO	6- 7 745
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150 5 -11.928 -19.618 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA  PT LAT LCN 2 -11.734 -19.507 3 -11.583 -19.903 4 -11.534 -19.179 5 -11.902 -19.681 7 -11.583 -19.903  JULY 31,1964 13 HP  TRAJECTORY DATA	518.32140 -53.3  RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3  RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.56002 -56.1 507.67239 -54.1 497.51643 -51.4 493.73092 -53.3	AZN 11-3 10-8 11-3 10-8 11-3 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-0 10-8	-80.7 SEC TO 196 AZSUN -81.0.7 -80.7 -80.7 -81.3 -80.7 SEC TO 191 AZSUN -81.0 -81.0 -80.7 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 30.4 35.5 36.1 27.0 36.4 TAB NO  IMPACT .896  AZA 36.2 36.4 35.5 36.1 37.0 36.4	4.98026  ALT  448.14566  4.92892  4.86227  4.99897  4.89941  4.86227  59  ALT  437.0247: A.  4.80893  4.74398  4.87791  4.778016  4.774398  60	0.854 ATLAS  LATT -8.12 B/A A C.839 0.854 0.854 ATLAS  LATT -8.18 B/A A C.839 0.855 C.823 C.824 C.825 ATLAS	-88.5 PHOTO -88.5 -89.1 -88.5 -88.3 -89.8 -88.5 S PHOTO -25 -89.1 -89.8 -89.1 -89.1 -89.8 -89.1 -89.1 -89.8 -89.1	68.5 68.4 NO INCD 68.8 68.3 69.2 68.3 0 NO CN 68.3 69.0 68.3 69.0 68.3 69.0 68.3 0 NO	40.8 31 58 R 2183 PHAZ EM 39.7 33 38.6 33 38.6 34 40.8 32 40.8 31 59 PHAZ EM 39.7 32 40.8 31 38.6 34 40.8 32 40.8 31 86.6 34 40.8 32 40.8 31	Control of the contro	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115 SCALE P 0. 12.61388 21.54102 11.36114 21.82288 10.69300 SEQUENCE NO	6- 7 745
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150 5 -11.928 -19.812 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.179 5 -11.900 -19.095 6 -11.929 -19.631 7 -11.563 -19.093  JULY 31,1964 13 HP  TRAJECTORY DATA PT LAT LON 2 -11.594 -19.179 5 -11.900 -19.095 6 -11.929 -19.631 7 -11.563 -19.003	518.32140 -53.3  R 22 MIN 31 SEC 86  RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 509.92828 -51.4 506.04251 -53.3  RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.55002 -56.1 507.67239 -54.1 497.51643 -51.4 493.73092 -53.3	AZN 11-3 10-8 11-5 11-5	-80.7 SEC TO 196 AZ SUN -81.0 -81.0 -80.7 -80.7 -80.7 SEC TO 191 AZ SUN -81.3 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.1 37.0 .36.4 TAB NO  IMPACT .896  AZA 36.5 36.1 37.0 36.4 TAB NO	4.98026  ALT  448.14566  4.92892  4.86227  4.99897  4.89941  4.86227  59  ALT  437.0247  A.  4.80893  4.74398  4.74398  60  ALT  425.8874	0.854 ATLAS  LATI -8.12 B/A A A C.839 0.854 C.823 C.846 O.855 ATLAS  ATLAS	-88.5 PHOTO -88.5 -89.1 -88.5 -89.8 -99.8 -90.8 -90.8 -90.8 -90.8 -90.8 -90.8 -90.8	68.5 68.4 NO CN .970 INCD 68.3 69.1 66.8 68.3 69.1 68.5 68.5 0 NO CN .860 CN .860 CN .860 CN .860 CN .8776 CN .8776 CN .9750 CN .9750 CN .9750	40.8 31 58  R 2183.*  PHA2 EM 39.7 33 40.8 31 38.6 34 40.8 31 59  R 2172.*  PHAZ EM 39.7 32 40.8 31 38.6 33 38.6 34 40.8 31 60  R 2161.*	Control of the contro	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115 SCALE P 0. 12.61388 10.69300 SEQUENCE NO  PTH A -67.560 115 SCALE P PTH A -67.560 115	6- 7 745 - 12 1-087 11-2 2-3 3-4 4-5 5-6 751 12 12-3 13-4 1-2 1-2 2-3 3-4 4-5 5-6 6-7 757
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.758 -19.486 3 -11.603 -19.892 4 -11.553 -19.150 5 -11.928 -19.812 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.179 5 -11.900 -19.095 6 -11.929 -19.631 7 -11.563 -19.093  JULY 31,1964 13 HP  TRAJECTORY DATA PT LAT LON 2 -11.594 -19.179 5 -11.900 -19.095 6 -11.929 -19.631 7 -11.563 -19.003	518.32140 -53.3  R 22 MIN 31 SEC 86  RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 509.92828 -51.4 506.04251 -53.3  RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.55002 -56.1 507.67239 -54.1 497.51643 -51.4 493.73092 -53.3	AZN 11-3 10-8 11-5 11-5	-80.7 SEC TO 196 AZ SUN -81.0 -81.0 -80.7 -80.7 -80.7 SEC TO 191 AZ SUN -81.3 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.1 37.0 .36.4 TAB NO  IMPACT .896  AZA 36.5 36.1 37.0 36.4 TAB NO	4.98026  ALT  448.14566  4.92892  4.86227  4.99897  4.89941  4.86227  59  ALT  437.0247  A.  4.80893  4.74398  4.74398  60  ALT  425.8874	0.854 ATLAS  LATI -8.12 B/A A A C.839 0.854 C.823 C.846 O.855 ATLAS  ATLAS	-88.5 PHOTO -88.5 -89.1 -88.5 -89.8 -99.8 -90.8 -90.8 -90.8 -90.8 -90.8 -90.8 -90.8	68.5 68.4 NO CN .970 INCD 68.3 69.1 66.8 68.3 69.1 68.5 68.5 0 NO CN .860 CN .860 CN .860 CN .860 CN .8776 CN .8776 CN .9750 CN .9750 CN .9750	40.8 31 58  R 2183.*  PHA2 EM 39.7 33 40.8 31 38.6 34 40.8 31 59  R 2172.*  PHAZ EM 39.7 32 40.8 31 38.6 33 38.6 34 40.8 31 60  R 2161.*	Control of the contro	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115  SCALE P 0. 12.61388 21.54102 11.36114 21.82288 10.69300  SEQUENCE NO  PTH A -67.560 115  SCALE P -67.560 115	6- 7 745 12 1-0687 11-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 751 12 2- 3 3- 4 5- 6 6- 7 757 12 13 14- 5 15- 6 17- 7 17 18- 652
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.892 4 -11.553 -19.150 5 -11.928 -19.812 7 -11.603 -19.892  JULY 31.1964 13 HP  TRAJECTORY UATA  PHOTO DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903  JULY 31.1964 13 HP  TRAJECTORY UATA  PHOTO DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.710 -19.529 3 -11.563 -19.529 3 -11.563 -19.529 3 -11.563 -19.929	518.32140 -53.3  RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3  RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.56002 -56.1 507.67239 -54.1 497.51643 -51.4 493.73092 -53.3  RANGE AZS/C 487.86051 -53.8 481.39034 -55.4 490.96307 -55.1	AZN AZN AZN 11.3 10.8 4 MS	-80.7 SEC TO 196 AZ SUN -81.0 -81.0 -81.0 -81.2 -80.7 SEC TO 191 AZ SUN -81.0 -80.7 -80.7 -80.7 SEC TO 186 AZ SUN -81.0 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.1 37.0 30.4 TAB NO  IMPACT .896  AZA 36.2 36.4 37.0 36.4 TAB NO	4.98026  ALT  448.14566  4.92892  4.86227  4.95897  4.89941  4.86227  59  ALT  437.0247:  4.80893  4.74398  4.83821  4.77616  4.74398  60  ALT  425.8874  4.68867  4.68867  4.71718	0.854 ATLAS  LATT -8.12 B/A A A A C.839 0.824 0.823 0.844 0.839 0.839 0.839 0.839 0.839 0.839 0.839 0.846 0.839 0.846 0.853	-88.5 PHOTO  18 -25 2PHAZ -89.1 -88.3 -89.8 -89.8 -89.8 -89.8 -89.8 -89.5 SPHOTO  10 -25 ZPHAZ -89.1 -88.3 -89.8	68.5 68.4 NO  CN .970  INCD 68.8 68.3 69.2 68.8 3  NO  CN .660  INCD 68.7 66.8 7  68.7 68.3 69.0 CN .750  INCD 68.7 68.3 69.0 CN .750	R 2183.  PHAZ EM 39.7 33 40.8 32 40.8 31 38.6 34 40.8 31 38.6 34 40.8 31 38.6 34 40.8 31 38.6 34 40.8 32 40.8 31 38.6 33 38.6 34 40.8 32 40.8 31 38.6 33 38.6 38 38.6 38 38.6 38 38.6 38 38.6 38 38.6 38 38.6 38 38.6 38 38.6 38 38.6 38 38.6 38 38 38 38 38 38 38 38 38 38 38 38 38	V V V V V V V V V V V V V V V V V V V	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115 SCALE P 0. 12.61388 21.554102 11.36114 21.82288 10.69300 SEQUENCE NO  PTH A -67.560 115 SCALE P 0. 12.29478	6- 7 745 12 1-087 1-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 751 12 1- 2 2- 3 3- 4 5- 6 7 757
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.892 4 -11.553 -19.150 5 -11.928 -19.812 7 -11.603 -19.892  JULY 31.1964 13 HP  TRAJECTORY UATA  PHOTO DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903  JULY 31.1964 13 HP  TRAJECTORY UATA  PHOTO DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.710 -19.529 3 -11.563 -19.529 3 -11.563 -19.529 3 -11.563 -19.929	518.32140 -53.3  RANGE AZS/C 512.65880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3  RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.56002 -56.1 507.67239 -54.1 493.73092 -53.3  RANGE AZS/C 447.51643 -51.4 493.73092 -53.3  RANGE AZS/C 447.6051 -53.8 481.39034 -53.4 490.96307 -56.1	AZN 11-3 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-5	-80.7 SEC TO 196 AZSUN -81.0.7 -80.7 -81.3 -80.7 SEC TO 191 AZSUN -81.0 -80.7 -80.7 SEC TO 186 AZSUN -81.0 -80.7 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA .36.2 .36.4 .35.5 .36.4 TAB NO  IMPACT .896  AZA .35.5 .36.1 .37.0 .36.4 TAB NO  IMPACT .856  AZA .36.2 .36.4 .35.5 .36.1 .37.0 .36.4 TAB NO	4.98026  ALT  448.14566  4.92892 4.86227 4.95897 4.89941 4.86227  59  ALT  437.0247  4.80893 4.74398  60  ALT  425.8874  4.62541 4.71718	0.854 ATLAS  LAT - 8-12 B/A - A - A - A - A - A - A - A - A - A -	-88.5 PHOTO  25 -22 -89.1 -88.5 -88.3 -88.3 -88.5  PHOTO  10 -25 -27 -89.1 -88.5 -88.5  PHOTO  13 -25 -27 -27 -27 -27 -27 -27 -27 -27 -27 -27	68.5 68.4 NO  CN .970  INCD 68.3 668.3 669.2 68.53 NO  CN .860  INCD 68.7 68.3 NO  CN .860  INCD 68.7 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0	R 2183.*  PHAZ EM 39.7 33 40.8 31 38.6 34 40.8 32 40.8 31 38.7 32 40.8 31 38.6 34 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 31 38 40.8 31 38 40.8 31 38 40.8 31 38 40.8 31 38 40.8 31 38 40.8 31 38	4 26.5 POD 5  601 2.383  IS ALPHA 0 27.9 3.3 26.5 7 29.4 7 29.3 3 26.5 POD 5  480 2.388 15 ALPHA 15 ALPHA 16 29.3 3 26.5 POD 5  480 2.388 15 ALPHA 16 29.3 3 26.5 46.6 29.3 3 26.5 46.6 29.3 3 26.5 47.2 48.6 29.3 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115 SCALE P 0. 12.61388 10.69300 SEQUENCE NO  PTH A -67.560 115 SCALE P 0. 12.29478 20.99755 11.27438	6- 7 745 12 12 13 14 15 16 17 17 17 18
7 -11.623 -19.882  JULY 31.1964 13 HP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.758 -19.892 4 -11.553 -19.150 5 -11.928 -19.812 7 -11.603 -19.892  JULY 31,1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.734 -19.507 3 -11.583 -19.903  JULY 31,1964 13 HP  TRAJECTORY DATA PT LAT LON 2 -11.734 -19.907 5 -11.900 -19.095 6 -11.929 -19.831 7 -11.583 -19.903  JULY 31,1964 13 HP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.710 -19.229 3 -11.563 -19.915 4 -11.515 -19.229	518.32140 -53.3  RANGE AZS/C 512.85880 -33.8 506.04251 -53.3 516.12788 -56.1 520.35007 -54.1 509.92828 -51.4 506.04251 -53.3  RANGE AZS/C 500.37420 -53.8 493.73092 -53.3 503.56002 -56.1 507.67239 -54.1 497.51643 -51.4 493.73092 -53.3  RANGE AZS/C 407.81643 -51.4 493.73092 -53.3	AZN 11-3 10-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-8 11-5 11-7 11-7 11-7 11-7 11-7 11-7 11-7	-80.7 SEC TO 196 AZ SUN -81.0 -81.0 -81.0 -81.2 -80.7 SEC TO 191 AZ SUN -81.0 -80.7 -80.7 -80.7 SEC TO 186 AZ SUN -81.0 -80.7 -80.7	36.4 TAB NO  IMPACT .935  AZA 36.2 36.4 35.5 36.1 37.0 36.4 TAB NO  IMPACT .896  AZA 36.2 36.4 36.4 36.4 36.4 36.4 TAB NO	4.98026  ALT  448.14566  4.92892 4.86227 4.95897 4.89941 4.86227  59  ALT  437.0247  4.80893 4.74398  60  ALT  425.8874  4.62541 4.71718	0.854 ATLAS  LAT - 8-12 B/A - A - A - A - A - A - A - A - A - A -	-88.5 PHOTO  25 -22 -89.1 -88.5 -88.3 -88.3 -88.5  PHOTO  10 -25 -27 -89.1 -88.5 -88.5  PHOTO  13 -25 -27 -27 -27 -27 -27 -27 -27 -27 -27 -27	68.5 68.4 NO  CN .970  INCD 68.3 668.3 669.2 68.53 NO  CN .860  INCD 68.7 68.3 NO  CN .860  INCD 68.7 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0	R 2183.*  PHAZ EM 39.7 33 40.8 31 38.6 34 40.8 32 40.8 31 38.7 32 40.8 31 38.6 34 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 32 40.8 31 38.6 34 40.8 31 38 40.8 31 38 40.8 31 38 40.8 31 38 40.8 31 38 40.8 31 38 40.8 31 38	V V V V V V V V V V V V V V V V V V V	11.22983 SEQUENCE NO  PTH A -67.709 115  SCALE P 0. 12.93236 22.08345 11.64728 22.37335 10.96182 SEQUENCE NO  PTH A -67.635 115 SCALE P 0. 12.61388 21.54102 11.36114 21.82288 10.69300 SEQUENCE NO  PTH A -67.560 115 SCALE P 0. 24.01388 21.54102 11.36114 21.02288 21.54102 11.36114 21.02288 21.07935 21.07935 21.07935 21.07935	6- 7 745 12 12 13 14 15 16 17 17 17 18

		RA-VII CAMERA	P1	11
JULY 31,1964 13 HR 22 MIN 46 SEC 983	MS	TAB NO	61 ATLAS PHOTO NO 6	POD SEQUENCE NO 763
TRAJECTURY DATA		SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA		181.816	414.73358 -8.286 -25.638	2150.189 2.398 -67.484 115.634
PT LAT LON RANGE AZS/C		AZ SUN AZ A		HAZ EMIS ALPHA SCALE PT-PT
2 -11.686 -19.549 4/5.34064 -53.8	11.2	-81.0 36.2	4.56835 C.84C -89.1 68.7 3	9.7 32.9 27.8 0. 1- 2 0.8 31.3 26.4 11.97648 2- 3
3 -11.542 -19.925 469.04188 -53.4 4 -11.496 -19.237 478.36133 -56.1	10.8	-80.7 36.3 -80.7 35.5	4.50676 0.855 -88.5 68.3 4 4.59611 0.833 -88.3 69.0 3	0.8 31.3 26.4 11.97648 2- 3 8.6 33.6 29.4 20.45527 3- 4
5 -11.843 -19.158 482.25471 -54.1	11.7	-81.3 36.1	4.63368 C.824 -89.8 69.1 3	8.6 34.5 29.2 10.78775 4- 5
6 -11.871 -19.856 472.62735 -51.4	11.0	-61.2 36.9	4.541C3 C.646 -89.8 68.4 4	0.8 32.2 26.3 20.72126 5- 6
7 -11.542 -19.925 469.04188 -53.4	10.8	-80.7 36.3	4.50676 0.855 -86.5 68.3 4	0.8 31.3 26.4 10.15433 6- 7
JULY 31,1964 13 HK 22 MIN 53 SEC 703	MS	TAB NO	62 ATLAS PHOTO NO	62 POD SEQUENCE NO 771
30E1 3141704 15 III 22 I III 75 323 705	.,,			
TRAJECTORY DATA		SEC TO IMPACT 175.097	ALT LAT LON 399.83530 -8.357 -25.487	R Y PIH AZ 2135.291 2.404 -67.383 115.610
PHOTO DATA PT LAT LON RANGE AZS/C	AZN	A/SUN A/A	A. B/A AZPHAZ INCO P	HAZ EMIS ALPHA SCALE PT-PT
2 -11.653 -19.575 458.61607 -53.8		-81.0 36.2	4.40761 0.840 -89.1 68.7 3	9.7 32.8 27.8 0. 1-2
3 -11.515 -19.938 452.54490 -53.4	10.8	-60.7 36.3		0.8 31.2 26.4 11.55204 2- 3
4 -11.470 -19.274 461.52848 -56.1 5 -11.805 -19.198 465.27663 -54.2	11.4	-80.7 35.4 -41.3 36.1	4.43438 0.833 -88.3 68.9 3 4.47055 0.824 -89.8 69.0 3	18.6 34.6 29.3 19.73200 3-4 18.6 34.5 29.2 10.40502 4-5
	11.0	-61.2 36.9	4.38125 0.847 -89.8 68.4 4	0.8 32.2 26.3 19.98758 5- 6
7 -11.515 -19.938 452.54490 -53.4	10.8	-n0.7 36.3		0.8 31.2 26.4 9.79478 6- 7
		TAB NO	63 ATLAS PHOTO NO	63 POD SEQUENCE NO 775
JULY 31,1964 13 HR 22 MIN 57 SEC 63	MS	IAB NO	63 AILAS FROID NO	03
TRAJECTORY DATA		SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA		171.737	392.37494 -8.394 -25.411	2127.830 2.408 -67.331 115.597
PT LAT LON RANGE AZS/C	AZN	AZSUN AZA	A. B/A AZPHAZ INCD P	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.636 -19.588 450.23248 -53.8	11.2	-81.0 36.2		9.7 32.8 27.8 . 0 1-2
3 -11.501 -19.944 444.27526 -53.4	10.8	-80.7 36.3	4.26879 0.855 -88.4 68.3 4	0.8 31.2 26.4 11.33932 2- 3 38.6 33.6 29.3 19.36949 3- 4
4 -11.456 -19.293 +53.09061 -56.1 5 -11.786 -19.218 456.76617 -54.2	11.4	-80.7 35.4 -81.3 36.0		38.6 34.5 29.1 10.21335 4- 5
6 -11.812 -19.879 447.66148 -51.5	11.0	-u1 2 36 D		0.8 32.2 26.3 19.61987 5- 6
7 -11.501 -19.944 444.27526 -53.4	10.8	-80.7 36.3	4.26879 0.855 -86.4 68.3 4	10.8 31.2 26.4 9.61454 6- 7
		TAB NO	64 ATLAS PHOTO NO	64 POD SEQUENCE NO 779
JULY 31,1964 13 HK 23 MIN 0 SEC 422	MS	IAB NO	ATEMS THOSE NO.	
TRAJECTURY DATA		SEC TO IMPACT	ALT LAT LUN	K V PTH AZ
		168.377	384.90707 +8.430 -25.334	2120.362 2.411 -67.280 115.585
PHOTO DATA PT LAT LON RANGE AZS/C	AZN	AZSUN AZA	A. B/A AZPHAZ INCO F	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.620 -19.602 441.83559 -53.9	11.2	-81.0 36.1	4.24634 C.84C -89.1 68.6 3	39.7 32.8 27.8 0. 1-2
3 -11.486 -19.951 435.99244 -53.4	10.8	-80.7 36.3	4.18920 0.855 -88.4 68.3 4	40.8 31.2 26.4 11.12629 2- 3
4 -11.443 -19.312 444.63947 -56.1	11.4	-80.7 35.4	4.27211 0.834 -88.3 68.9	38.6 33.5 29.3 19.00652 3- 4 38.6 34.4 29.1 10.02128 4- 5
5 -11.766 -19.239 448.24244 -54.2 6 -11.792 -19.887 439.31223 -51.5	11.7	-81.3 36.0 -81.3 36.8		38.6 34.4 29.1 10.02128 4- 5 40.8 32.1 26.3 19.25170 5- 6
6 -11.792 -19.887 439.31223 -51.5 7 +11.466 -19.951 435.99244 -53.4	10.8		4.18920 C.855 -86.4 68.3 4	40.8 31.2 26.4 9.43409 6- 7
1 111100 111101 133171				
JULY 31,1964 13 HR 23 MIN 7 SEC 142	MS	TAB NO	65 ATLAS PHOTO NO	65 POD SEQUENCE NO 787
TRAJECTORY DATA		SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA		161.657	369.94806 -8.503 -25.179	2105.403 2.418 -67.175 115.560
PT LAT LON RANGE AZS/C	A / N	AZSUN AZA	A+ B/A A7PHA7 ENCD E	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.586 -19.629 424.99969 -33.9	11.2		4.08454 0.841 -89.1 68.6	39.7 32.8 27.8 0. 1-2
3 -11.458 -19.965 419.38483 -53.5	10.7	-80.7 36.2		40.8 31.2 26.4 10.69945 2- 3
4 -11.410 -19.351 427.69493 -56.1	11.4		4.10930 C.834 -88.3 68.9	38.6 33.5 29.3 <u>18.27895 3-4</u> 38.6 34.4 29.1 9.63655 4-5
5 -11.727 -19.280 431.15282 -54.2 6 -11.751 -19.304 422.57180 -51.6	11.7	-81.3 36.0 -61.3 36.8	4.14268 0.825 -89.8 69.0 3 4.06009 0.847 -89.8 68.4	
7 -11.458 -19.965 419.38483 -53.5	10.7			40.8 31.2 26.4 9.07249 6- 7
JULY 31,1964 13 HR 23 MIN 12 SEC 182	MS	TAB NO	66 ATLAS PHOTO NO	66 POD SEQUENCE NO 793
TRAJECTORY UATA		SEC TO IMPACT	ALT LAI LON	R V PTH AZ 2094.164 2.423 -67.096 115.540
PHOTO DATA		150.618	358.70837 -8.559 -25.061	
PT LAT LON RANGE AZS/C	AZN			PHAZ EMIS ALPHA SCALE PT-PT
2 -11.561 -14.650 412.33378 -53.9	11.2	-81.0 36.1	3.96281 0.841 -89.1 68.6	$39.7 \ 32.7 \ 27.7 \ 0. \ 1-2$
3 -11.436 -19.976 406.89048 -53.5 4 -11.396 -19.380 414.94729 -56.1	10.7			40.8 31.2 26.4 10.37839 2- 3 38.6 33.5 29.2 17.73168 3- 4
5 -11.697 -19.312 418.29638 -54.2	11.4		4.01915 0.826 -89.8 68.9	38.6 34.3 29.1 9.34715 4- 5
6 -11.721 -19.917 409.97779 -51.6	10.9		3.93909 C.847 -89.8 68.3	40.8 32.1 26.2 17.95882 5- 6
7 -11.436 -19.976 406.89048 -53.5	10.7	-80.7 36.2	3.90958 0.856 -88.4 68.3	40.8 31.2 26.4 8.80043 6- 7

12

				TAB NO	67	ATLAS PHOT	0 NO	67	POD SEQUE	NCE NO	797
JULY 31,1964 13 HR	23 MIN 15 SEC 5										
TRAJECTORY DATA			SEC TO 153	IMPACT 258	ALT 351.20572	LAT I -8.597 -24	LON 4.982	R 2086.661	V . P1	H AZ 043 115.	527
PHOTO DATA PT LAT LON	RANGE AZS/	C 47 N	AZ SUN	AZA	Α.	B/A AZPHAZ	INCD				T-PT
2 -11.544 -19.665	403.87333 -53.	9 11.2	-81.0	36.1	3.88150	0.841 -89.1	68.6	39.7 32.7	27.7 0.	1	i - 2
3 -11.422 -19.984 4 -11.382 -19.400	398.54446 -53. 406.43206 -56.	5 10.7	-80.7 -80.7	36.2 35.4		0.856 -88.4					2- 3
	409.70894 -54.	2 11.6	-81.3	36.0	3.93664	0.835 -88.3 0.826 -89.8	68.9	38.6 34.3		36611 3 15412 4	
6 -11.701 -19.926	401.56562 <u>-51</u> .	6_10.9			3.85826	0.84889.8	68.3	40.8 32.1	26-2 17.	58813 5	5- 6
7 -11.422 -19.984	398.54446 -53.	5 10.7	-80.7	36.2	3.82939	0.856 -88.4	68.2	40.8 31.2	26.4 8.	61899 6	5 <b>~ 7</b>
JULY 31,1964 13 HR	23 MIN 20 SEC 5	81 MS		TAB NO	68	ATLAS PHOT	0 NO	68	POD SEQUE	NCE NO	803
TRAJECTORY DATA			SEC IO	TPPACI	ALT	LATL	.ON	R		H	
PHOTO DATA				.218	339.93686	-8.653 -24			2.432 -66.	963 115.	-508
PT LAT LON	RANGE AZS/		AZSUN		A+	B/A AZPHAZ					F-PT
2 -11.518 -19.686 3 -11.401 -19.995	391.15659 -53. 385.99952 -53.	9 11.2 5 10.7	-81.0 -80.7		3.75928	0.841 -89.1 0.856 -88.4	68.5	39.7 32.7 40.8 31.2	27.7 D. 26.4 9.		l- 2 2- 3
4 -11.362 -19.430	393.63281 -56.	111.4	80.7.	35.4	3_78203	0.835 -88.3	68.8	38.6 33.4	29.2 16.		3- 4
5 -11.648 -19.366	396.80175 -54.	3 11.6	-81.3		3.81262	0.826 -89.8	68.9	38.6 34.3			4- 5
6 -11.671 -19.939 7 -11.401 -19.995	388.92177 -51. 385.99952 -53.	5 10.7	-81.3 -80.7	36.2	3.73678 3.70885			40.8 32.0 40.8 31.2		03101 .5 34632 6	5-6 6-7
				TAR NO	69	ATLAS PHOT		69	POD SEQUE		
JULY 31,1964 13 MR	23 MIN 22 SEC 2	161 MS				ATEAS THOS	0 110	·	TOD SEQUE		603
TRAJECTORY DATA				IMPACT	AL T		LON	R	V P1		
PHOTO DATA			146	-538	336.17682	-8.672 -24	4.821	2071.632	2.433 -66.	936 115.	.501
PT LAT LON	RANGE AZS/				A =	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA SC	ALE PT	T-PT
	366.91026 -53. 361.81050 -53.		-81.0 -80.7	36.1 36.2	3.71847	0.842 -89.1	. 68 . 5	39.7 32.7	27.70.		1-2
		1 11.4	-80.7		3.74097	0.856 -88.4 0.835 -88.3	68.8	40.8 31.2 38.6 33.4	29-2 16-	73440 2 63319 3	2- 3 3- 4
5 -11.638 -19.377	392.49190 -54.	3 11.6	-81.3	36.0	3.77121	C.827 -89.8	68.9	38.6 34.3	29.0 8.	76734 4	4- 5
	384.69977 -51. 381.81050 -53.		-81.3 -80.7	36.7	3.69622 3.66860			40.8 32.0		84502 5	
1 -11.373 -17.777	361.61030 -33.	2 10.1	-60.1	30.2	3.00000	0.856 -88.4	68.2	40.8 31.2	26.4 8.	25526 6	6- 7
JULY 31,1964 13 HR	23 MIN 23 SEC 9	41 MS		TAB NO	70	ATLAS PHOT	0 NO	70	POD SEQUE	NCE NO	807
JULY 31,1964 13 HR TRAJECTORY DATA	23 MIN 23 SEC 9	141 MS		TAB NO	70 AL T		<b>O NO</b>	<b>70</b>	POD SEQUE		
TRAJECTORY DATA			SEC TO	IMPACT	ALT 332.41461		LON	Ŕ	•	H AZ	z
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE AZS/	C AZN	SEC TO 144	IMPACT .858	ALT 332.41461	LAT   1   -8.692 -24	INCD	R 2067.870 PHAZ EMIS	V PT 2.435 -66.	H AZ 909 115-	z
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.501 -19.701	RANGE AZS/ 382.65981 -54.	C AZN 0 11.2	SEC TI 144. AZ SUN -81.0	IMPACT .858 AZA 36.0	ALT 332.41461 A+ 3.67762	LAT I -8.692 -24 B/A AZPHAZ C.642 -89.1	LON 4.781 INCD 68.5	R 2067.870 PHAZ EMIS 39.7 32.7	V PT 2.435 -66.	H AZ 909 115- ALE PT	Z -494 
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004	RANGE AZS/ 382.65981 -54. 377.61741 -53.	C AZN 0 11.2 6 10.7	SEC TH 144. AZ SUN -81.0 -80.7	IMPACT .858 AZA 36.0 36.2	ALT 332.41461 A+ 3.67762 3.62831	LAT I -8.692 -24 B/A AZPHAZ C.642 -89.1 0.856 -88.4	LON 4.781 INCD 68.5 68.2	R 2067-870 PHAZ EMIS 39-7 32-7 40-8 31-2	V PT 2.435 -66.	H AZ 909 115- ALE PT 1 62678 2	Z -494 
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.451	RANGE A2S/ 382.65981 -54. 377.61741 -53. 385.08092 -56. 388.17790 -54.	C AZN 0 11-2 6 10-7 1 11-4 3 11-6	SEC Tri 144. AZ SUN -81.0 -80.7 -80.7	AZA 36.0 36.2 35.4 36.0	ALT 332.41461 A. 3.67762 3.62831 3.69987 3.72976	LAT 1 -8.692 -24 B/A AZPHAZ C.642 -89.1 0.856 -88.4 C.835 -88.3 C.827 -89.8	INCD 68.5 58.2 68.8 68.8	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3	V PT 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16.	H AZ 909 115- ALE PT 62678 2 44955 3 67044 4	Z -494 
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.386 6 -11.650 -19.949	RANGE A25/ 382.65981 -54. 377.61741 -53. 385.08092 -56. 388.17790 -54. 380.47369 -54.	C AZN 0 11.2 6 10.7 1 11.4 3 11.6 7 10.9	AZ SUN -81.0 -80.7 -80.7 -81.3	IMPACT -858 AZA 36.0 36.2 35.4 36.0 36.7	ALT 332.41461 A+ 3.67762 3.62831 3.69987 3.72976 3.65561	LAT 1 -8.692 -24 B/A AZPHAZ C.642 -89.1 0.856 -88.4 C.835 -88.3 C.827 -89.8 0.648 -89.8	INCD 68.5 68.2 68.8 68.8 68.8	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 40.8 32.0	V PT 2.425 -66.  ALPHA SC 27.7 0. 26.4 9. 29.0 16. 29.0 16.	H AZ 909 115- ALE PT 62678 2 44955 3 67044 4 65885 5	Z - 494 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.386 6 -11.650 -19.949	RANGE A2S/ 382.65981 -54. 377.61741 -53. 385.08092 -56. 388.17790 -54.	C AZN 0 11.2 6 10.7 1 11.4 3 11.6 7 10.9	SEC Tri 144. AZ SUN -81.0 -80.7 -80.7	IMPACT -858 AZA 36.0 36.2 35.4 36.0 36.7	ALT 332.41461 A. 3.67762 3.62831 3.69987 3.72976	LAT 1 -8.692 -24 B/A AZPHAZ C.642 -89.1 0.856 -88.4 C.835 -88.3 C.827 -89.8 0.648 -89.8	INCD 68.5 68.2 68.8 68.8 68.8	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3	V PT 2.425 -66.  ALPHA SC 27.7 0. 26.4 9. 29.0 16. 29.0 16.	H AZ 909 115- ALE PT 62678 2 44955 3 67044 4 65885 5	Z -494 T-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.386 6 -11.650 -19.949	RANGE AZS/ 382.05981 -54 377.61741 -53 385.08092 -56 388.17790 -51 380.47369 -51 377.61741 -53	C AZN 0 11.2 6 10.7 1 11.4 3 11.6 7 10.9 6 10.7	AZ SUN -81.0 -80.7 -80.7 -81.3 -80.7	IMPACT -858 AZA 36.0 36.2 35.4 36.0 36.7	ALT 332.41461 A+ 3.67762 3.62831 3.69987 3.72976 3.65561	LAT 1 -8.692 -24 B/A AZPHAZ C.642 -89.1 0.856 -88.4 C.835 -88.3 C.827 -89.8 0.648 -89.8	INCD 68.5 68.2 68.8 68.8 68.3	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 40.8 32.0	V PT 2.425 -66.  ALPHA SC 27.7 0. 26.4 9. 29.0 16. 29.0 16.	H AZ 909 115. ALE PT 1 62678 2 44955 3 67044 4 65885 5 16409 6	Z -494 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.49 7 -11.386 -20.004  JULY 31,1964 13 HR	RANGE AZS/ 382.05981 -54 377.61741 -53 385.08092 -56 388.17790 -51 380.47369 -51 377.61741 -53	C AZN 0 11.2 6 10.7 1 11.4 3 11.6 7 10.9 6 10.7	SEC TH 144 AZ SUN -81.0 -80.7 -80.7 -81.3 -80.7	AZA 36.0 36.2 35.4 36.0 36.7 36.7	ALT 332.41461 A+ 3.67762 3.62831 3.69987 3.72976 3.65561 3.62831	LAT	INCD 68.5 68.2 68.8 68.8 68.8	2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 34.4 38.6 34.3 40.8 32.0 40.8 31.2	V PTI 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 29.0 8. 26.4 8. POD SEQUE	H AZ 909 115- ALE PT 162678 2 44955 3 67044 4 65885 5 16409 6	7-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/ 382.05981 -54 377.61741 -53 385.08092 -56 388.17790 -51 380.47369 -51 377.61741 -53	C AZN 0 11.2 6 10.7 1 11.4 3 11.6 7 10.9 6 10.7	SEC TO 144 AZ SUN -81.0 -80.7 -80.7 -81.3 -81.3	AZA 36.0 36.2 35.4 36.0 36.7	ALT 332.41461 A• 3.67762 3.62831 3.69987 3.72976 3.62581 71	LAT	1NCD 68.5 68.2 68.8 68.3 68.2 0 NO	2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 40.8.32.0 40.8 31.2 71	V PT 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 29.0 8. 26.2 16.	H AZ 909 115- ALE PT 1 62678 2 44955 3 67044 4 65885 5 16409 6 NCE NO	Z -494 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 809
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.49 7 -11.386 -20.004  JULY 31,1964 13 HR	RANGE AZS/ 382.05981 -54 377.61741 -53 385.08092 -56 388.17790 -51 380.47369 -51 377.61741 -53	C AZN 0 11.2 6 10.7 1 11.4 3 11.6 7 10.9 6 10.7	SEC TO 144 AZ SUN -81.0 -80.7 -80.7 -81.3 -81.3	AZA 36.0 36.2 35.4 36.0 36.7 36.2 TAB NO	ALT 332.41461 A• 3.67762 3.62831 3.69987 3.72976 3.62581 71	LAT 1 -8.692 -2.1  B/A AZPHAZ 6.842 -89.1  0.856 -88.4  0.835 -88.3  0.827 -89.8  0.856 -89.8  0.856 -87.8  ATLAS PHOTO	INCD 68.5 68.2 68.8 68.8 68.3 68.2 <b>O NO</b>	2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 40.8 31.2 71 R 2064.106	V PT 2,435 -66.  ALPHA SC 27.7 O. 26.4 9. 29.2 16. 29.0 8. 26.4 9. 20.2 16. 26.4 9. 26	H AZ 909 115- ALE PT 1 62678 2 44955 3 67044 4 658855 16409 6 NCE NO	Z -494 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 809
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.458 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.493 -19.769	RANGE AZS/ 382.65981 - 54, 377.61741 - 53, 385.08092 - 56, 388.17790 - 54, 380.47369 - 51, 377.61741 - 53, 23 MIN 25 SEC 6	CC AZN 0 11.2 6 10.7 1 11.4 4 3 11.6 7 10.9 6 10.7	AZ SUN -81.3 -80.7 -81.3 -80.7 -81.3 -80.7 -81.3 -80.7	AZA 36.0 36.2 35.4 36.0 36.7 36.7 36.2 TAB NO	ALT 332.41461 A. 3.67762 3.62987 3.72976 3.65561 3.65561 3.62831 71 ALT 328.65073 A. 3.63674	LAT   1	INCD 68.5 5 68.2 68.8 68.8 68.2 0 NO	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 40.8 31.2 71  R 2064.106 PHAZ EMIS 39.7 32.7	V PT 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 26.2 16. 26.4 8.  POD SEQUE  V PT 2.437 -66.  ALPHA SC 27.7 0.	H AZ 909 115- ALE PT 1 62678 2 44955 3 67044 4 67044 4 6704	Z -494 T-PT 1- 2 2- 3 3- 4 4- 5 6- 7 809
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.488 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008	RANGE A2S/ 302.65981 -53. 385.08092 -56. 388.1779 - 54. 380.47369 -51. 377.61741 -53. 23 MIN 25 SEC 6	C AZN O 11.2 6 10.7 1.10.9 6 10.7 21 MS	AZ SUN -81.3 -80.7 -81.3 -80.7 -81.3 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	AZA 36.0 36.2 35.4 36.0 36.7 36.2 TAB NO	ALT 332.41461 A- 3.67762 3.62831 2.69987 3.72976 3.65561 3.62831 71 ALT 328.65073 A- 3.63674 3.58799	LAT   1   -8.692 - 2'   -2'   -8.692 - 2'   -8.4   -8.1   -1   -1   -1   -1   -1   -1   -1	INCD 68.5 68.2 68.8 68.8 68.2 O NO	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 32.0 40.8 31.2 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1	V PT 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 29.0 8. 26.4 8.  POD SEQUE  V PT 2.437 -66.  ALPHA SC 27.7 0. 26.4 9.	H AZ 909 115- ALE PT 62678 2 44955 3 67044 4 65885 5 16409 6 NCE NO	Z -494 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 809
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008 4 -11.342 -19.461	RANGE AZS/ 382.65981 -54, 377.61741 -53, 385.08092 -56, 388.17790 -54, 380.47369 -51, 377.61741 -53, 23 MIN 25 SEC 6	C AZN 0 11.2 6 10.7 1 11.4 3 11.6 7 10.9 6 10.7 21 MS	AZ SUN -81.3 -80.7 -81.3 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	AZA 36.0 36.7 36.2 TAB NO  IMPACT 178 AZA 36.0 36.7 36.2 TAB NO	ALT 332.41461 A. 3.67762 3.62987 3.72976 3.65561 3.65561 3.62831 71 ALT 328.65073 A. 3.63674	LAT   1   1   1   1   1   1   1   1   1	INCD 68.5 68.2 68.5 68.2 68.5 68.2 68.2 68.5 68.2 68.2 68.2	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 31.2 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1	V PTI 2.435 -665 ALPHA SC 27.7 O. 26.4 9. 29.2 16. 26.4 8. POD SEQUE  V PI 2.437 -66. ALPHA SC 27.7 O. 26.4 9. 29.2 16. 20.2 16. 4 9. 29.2 16. 20.2	H AZ 909 115- ALE PT 162678 2 44955 3 67044 4 65885 5 16409 6 NCE NO	Z -494 T-PT 1 -2 2 - 3 3 - 4 4 - 5 5 - 6 - 7 809
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008 4 -11.342 -19.461 5 -11.618 -19.399 6 -11.640 -19.954	RANGE AZS/ 382.65981 -53. 385.08092 -56. 388.17790 -54. 380.47369 -51. 377.61741 -53. 23 MIN 25 SEC 6 RANGE AZS/ 378.40583 -54. 373.42082 -53. 373.42082 -53. 373.42082 -53.	C AZN 0 11-2 6 10-7 1-11-4 1-12 MS	AZ SUN -81.3 -80.7 SEC TO 143. AZ SUN -81.0 -80.7	AZA 36.0 36.7 36.2 TAB NO  IMPACT 178  AZA 36.0 36.7 36.2 TAB NO	ALT 332.41461 A. 2.67762 3.62831 3.69987 3.72976 3.65561 3.62831 71 ALT 328.65073 A. 3.63674 3.63674 3.65873 3.66828 3.61497	LAT -8.692 -2.2  B/A AZPHAZ  0.895 -88.4  0.895 -88.4  0.895 -88.4  ATLAS PHOTO  LAT -8.7  -8.711 -2.  B/A AZPHAZ  0.892 -89.1  0.895 -86.4  0.895 -86.4  0.895 -86.4  0.895 -86.8  0.893 -88.3  0.893 -88.3	INCD 68.5 68.2 0 NO INCD 68.5 68.2 68.3 68.3 68.5 68.3 68.5 68.3 68.2	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 31.2 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1 38.6 33.4 38.6 34.2 40.8 32.0	V PTI 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 29.0 8. 26.2 16. 8. POD SEQUE  V PI 2.437 -66. ALPHA SC 27.7 0. 26.4 9. 29.0 8. 26.2 16. 29.0 8. 26.2 16. 29.0 8. 26.2 16. 29.0 8. 26.2 16. 29.0 8. 26.2 16. 26.2 16.	H AZ 909 115- ALE PT 62676 2 44955 3 67044 4 65885 5 16409 6 NCE NO H AZ 8861 115- ALE PT 57344 4 47257 5 07292 6	Z 494  I-PT 1- 2 2- 3 3- 4- 5- 6- 7  809  Z 488  I-PT 1- 2 2- 3 3- 4- 5- 6- 7  5- 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008 4 -11.618 -19.399 6 -11.640 -19.954 7 -11.379 -20.008	RANGE AZS/ 382.65981 -53. 385.08092 -56. 388.17790 -54. 380.47369 -51. 377.61741 -53. 23 MIN 25 SEC 6 RANGE AZS/ 378.40583 -54. 373.42082 -53. 373.42082 -53. 373.42082 -53.	C AZN 0 11-2 6 10-7 1-11-4 1-12 MS	SEC TO 144.  AZ SUN -80.7 -80.7 -81.3 -80.7  SEC TO 143.  AZ SUN -80.7 -91.3 -80.7 -91.3 -80.7 -91.3 -80.7	TMPACT .858  AZA 36.0 36.2 35.4 36.0 36.2 TAB NO  IMPACT .178  AZA 36.0 36.1 35.4 36.0 36.1 35.4 36.7 36.1	ALT 332.41461 A. 62831 3.62831 3.62831 71 ALT 328.65561 3.62831 71 ALT 328.65073 A. 3.63674 3.65873 3.65873 3.65873 3.65873 3.65873 3.65873 3.65873 3.65873	LAT   -8.692 -24  B/A AZPHAZ   -6.692 -24  0.895 -88.4  0.895 -88.4  ATLAS PHOTO  LAT   -8.711 -2.  B/A AZPHAZ   -8.692 -89.1  0.895 -88.4  AZPHAZ   -8.692 -89.1  0.895 -88.4  0.895 -88.4  0.895 -88.4  AZPHAZ   -8.99.1  0.895 -88.4  AZPHAZ   -8.99.1  0.895 -88.4	INCD 68.5 68.2 0 NO INCD 68.5 68.2 68.3 68.3 68.5 68.3 68.5 68.3 68.2	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 32.0 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1 38.6 33.4 38.6 34.2 40.8 31.1	V PTI 2.435 -665 ALPHA SC 27.7 0. 26.4 9. 29.2 16. 28. POD SEQUE  V PI 2.437 -66. ALPHA SC 27.7 0. 26.4 9. 26.2 16. 29.0 8. 26.2 16. 26.2 16. 26.2 16. 26. 26. 26. 26. 26. 26. 26. 26. 26. 2	H AZ 909 115- ALE PT 62676 2 44955 3 67044 4 65885 5 NCE NO H AZ 881 115- 357344 4 47257 5 07292 6	Z -494 T-PT 1- 2 2- 3 3- 4 5- 5- 6 6- 7 811
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008 4 -11.342 -19.461 5 -11.618 -19.399 6 -11.640 -19.954 7 -11.379 -20.008  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/ 382.65981 -53. 385.08092 -56. 388.17790 -54. 380.47369 -51. 377.61741 -53. 23 MIN 25 SEC 6 RANGE AZS/ 378.40583 -54. 373.42082 -53. 373.42082 -53. 373.42082 -53.	C AZN 0 11-2 6 10-7 1-11-4 1-12 MS	SEC TO 144.  AZ SUN -81.3 -80.7 -81.3 -80.7  SEC TO 143  AZ SUN -81.0 -80.7 -91.3 -80.7	AZA 36.0 36.7 36.0 36.7 36.1 36.0 36.1 35.4 36.0 36.1 35.4 36.0 36.1 35.4 36.0 36.1 35.4 36.0 36.1 35.4 36.0 36.7 36.1	ALT 332.41461 A. 67762 3.62831 3.69987 3.72976 3.65561 3.62831 71 ALT 328.65073 A. 3.68674 3.58799 3.65873 3.68628 3.61497 2.58799 72	LAT	INCD 68-52 68-8 68-2 O NO INCD 68-56 68-2 68-7 68-8 68-2 O NO INCD 68-56 68-2 O NO LGN	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 33.4 38.6 34.3 40.8 32.0 40.8 31.2 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1 39.6 33.4 40.8 31.1 72  R	V PTI 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 29.0 8. 26.2 16. 26.4 8.  POD SEQUE  V PI 2.437 -66.  ALPHA SC 27.7 0. 26.4 9. 29.0 8. 20.2 16.4 9. 29.0 8. 26.2 16.4 9. 29.0 8. 26.4 9. 29.0 8.	H AZ 909 115- ALE PT 62678 2 44955 3 67044 4 65885 5 16409 6 NCE NO H AZ 8811 115- 151909 2 265719 3 57344 4 44727 6 77292 6 NCE NO	Z .494 T-PT 1- 2 2-3 - 4 4 - 5 6 - 7 809 Z .488 T-PT 1- 2 2-3 - 4 4 - 5 6 - 7 811
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008 4 -11.342 -19.461 5 -11.618 -19.399 6 -11.640 -19.954 7 -11.379 -20.008  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -11.491 -19.54 7 -11.379 -20.008	RANGE AZS/ 382.05981 -54, 377.61741 -53, 385.08092 -56, 388.17790 -54, 380.47369 -51, 377.61741 -53, 23 MIN 25 SEC 6  RANGE AZS/ 378.40583 -54, 373.42082 -53, 388.8035 -54, 373.42082 -53, 373.42082 -53, 373.42082 -53, 373.42082 -53,	C AZN 0 11-2 6 10-7 1 11-4 5 7 10-9 6 10-7 21 MS C AZN 0 11-2 6 10-7 1 11-4 3 11-6 7 10-9 6 10-7	SEC TO 144  AZ SUN -80.7 -81.3 -80.7  SEC TO 143  AZ SUN -80.7  SEC TO 141  AZ SUN -80.7	AZA 36.0 36.2 35.4 36.7 36.7 36.2 TAB NO  IMPACT .178  AZA 36.0 36.1 35.4 36.0 36.1 TAB NO	ALT 332.41461 	LAT   -8.692 -2*  B/A AZPHAZ   -6.692 -2*  B/A AZPHAZ   -6.892 -2*  B/A AZPHAZ   -8.91 -8.0  B/A AZPHAZ   -8.730 -2*  B/A AZPHAZ   -8.730 -2*	LON 1 INCD 68.5 58.2 668.2 668.2 668.2 668.2 668.2 668.2 668.2 68.2	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 31.2 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1 38.6 33.4 38.6 34.2 40.8 31.1 72  R 2060.340 PHAZ EMIS	V PTI 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 29.0 8. 26.2 16. 26.4 8.  POD SEQUE  V PI 2.437 -66.  ALPHA SC 26.4 9. 29.0 8. 20.2 16.4 9. 29.0 8. 26.4 9. 29.0 8. 26.4 9. 29.0 8. 26.4 9. 29.0 8. 26.2 16. 26.4 8.	H AZ 909 115- ALE PT 62078 2 44955 3 67044 4 465885 5 16409 6 NCE NO H AZ 881 115- ALE PT 1 51909 2 26579 3 57344 4 47257 5 07292 6 NCE NO	Z .494 T-PT 1- 2 2-3 - 4 4 - 5 6 - 7 809 Z .488 T-PT 1- 2 2-3 - 4 4 - 5 6 - 7 811
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008 4 -11.342 -19.461 5 -11.618 -19.399 6 -11.640 -19.954 7 -11.379 -20.008  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.493 -19.401 7 -11.493 -19.401 7 -11.494 -19.404	RANGE AZS/ 382.65981 -54, 385.08092 -56, 388.17790 -54, 380.47369 -51, 377.61741 -53. 23 MIN 25 SEC 6 RANGE AZS/ 378.40583 -54, 373.42082 -53, 376.440583 -54, 373.42082 -53, 376.440583 -54, 373.42082 -53, 376.44058 -54,	C AZN 0 11.4 5 10.7 1 11.4 5 11.6 6 7 10.9 6 10.7 1 11.4 5 10.9 6 10.7 1 11.4 5 10.7 1 11.4 5 10.7 10.9 6 10.7 1 11.4 5 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7	SEC TO 144.  AZ SUN -81.0 -80.7 -81.3 -80.7 -81.3 -80.7 -81.3 -80.7 SEC TO 143.  AZ SUN -81.0 -80.7 -91.3 -80.7 -91.3 -80.7 -91.3 -80.7 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3 -91.3	IMPACT .858  AZA 36.0 36.2 35.4 36.0 36.7 36.2 TAB NO  IMPACT .178  AZA 36.0 36.7 36.1 35.4 36.0 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7	ALT 332.41461 A. 67762 3.62831 2.69987 3.72976 3.65561 3.65561 3.65561 3.62831 71 ALT 328.65073 A. 3.58799 3.65828 3.61497 2.58799 72 ALT 324.88437 A. 3.59561	LAT   1	INCD 68.5 68.2 68.2 68.3 68.2 68.2 68.2 68.3 68.2 68.3 68.2 68.3 68.2 68.7 68.2 68.7 68.2 68.7 68.2 68.7 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.6 68.2 68.2	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 32.0 40.8 31.2 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1 36.6 33.4 40.8 31.1 72  R 2060.340 PHAZ EMIS 39.7 32.7 32.7	V PTI 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 26.4 8.  POD SEQUE  V PTI 2.437 -66.  ALPHA SC 27.7 0. 26.4 9. 26.4 8.  POD SEQUE  V PTI 2.437 -66.  ALPHA SC 27.7 0. 26.4 8.  POD SEQUE  V PTI 2.437 -66.  ALPHA SC 27.7 0. 26.4 9. 26.4 9. 26.4 8.  POD SEQUE	H AZ 909 115- ALE PT 62078 2 44955 3 67044 4 65885 5 16409 6 NCE NO H AZ 881 115- 37344 4 47257 5 07292 6 NCE NO	Z 494 I-PT 1-22-33-4-5-66-7 809 Z 488 I-PT 1-22-3-34-5-66-7 811
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.372 -20.008  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.372 -20.008  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.484 -19.716 3 -11.372 -20.012	RANGE A2S, 382.65981 -54, 377.61741 -53, 385.08092 -56, 388.17790 -54, 380.47369 -51, 377.61741 -53, 23 MIN 25 SEC 6  RANGE AZS, 378.40583 -54, 373.42082 -53, 373.42082 -53, 373.42082 -53, 23 MIN 27 SEC 3	C AZN 0 11-2 6 10-7 10-9 10-9 10-9 10-9 10-9 10-9 10-9 10-9	SEC TO 144  AZ SUN -81.3 -80.7 -81.3 -81.3 -80.7  SEC TO 143  AZ SUN -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	IMPACT	ALT 332.41461  A. 62831 3.62987 3.72976 3.65561 3.62831  71  ALT 328.65073 A. 63674 3.58799 72  ALT 324.88437  ALT 324.88437	LAT -8.692 -2.2  B/A AZPHAZ  0.895 -88.4  0.895 -88.4  0.895 -88.4  ATLAS PHOT  LAT -8.711 -2.  B/A AZPHAZ  0.894 -89.8  0.895 -88.4  ATLAS PHOT  LAT -8.730 -2.  B/A AZPHAZ  0.842 -89.1  0.856 -88.4  ATLAS PHOT  LAT -8.730 -2.  B/A AZPHAZ  0.842 -89.8  0.856 -88.4  ATLAS PHOT	LON 1 INCD 68.5 68.2 0 NO 1 INCD 68.5 68.5 68.5 68.5 68.5 68.5 68.5 68.5	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 31.2 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1 38.6 34.2 40.8 31.1 72  R 2060.340 PHAZ EMIS 39.7 32.7 40.8 31.1 72	V PTI 27.435 -66.4 9. 29.2 16.4 9. 29.2 16.4 8. POD SEQUE V PTI 22.437 -66.4 8. POD SEQUE 29.0 8. 26.4 9. 26.4 9. 26.4 9. 26.4 9. 26.4 9. 26.4 8. POD SEQUE V PTI 26.4 9. 26.4 8. POD SEQUE V PTI 26.4 9. 26.4 8. POD SEQUE V PTI 26.4 9. 26.4	H AZ 909 115- ALE PT 62678 2 44955 3 67044 4 65885 5 16409 6 NCE NO H AZ 881 115- 357344 4 47257 5 07292 6 NCE NO	7 - PT   - 2 - 3 - 4 - 5 - 6 - 7   - 811   - 2 - 2 - 3   - 4 - 8   1 - 2 - 2 - 2   - 4 - 8   1 - 2 - 2   - 4 - 8   1 - 2 - 2   - 4 - 8   1 - 2 - 2   - 4 - 8   1 - 2 - 2   - 4 - 8   1 - 2 - 2   - 4 - 8   1 - 2 - 2   - 4 - 8   1   - 2 - 2   - 4 - 8   1   - 2 - 2   - 4 - 8   1   - 2 - 2   - 4 - 8   1   - 2 - 2   - 3   - 4 - 8   1   - 2 - 2   - 3   - 4 - 8   1   - 2 - 3   - 4 - 8   - 4 - 8   1   - 2 - 3   - 4   - 3   - 4   - 3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.388 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 19.461 5 -11.618 -19.399 6 -11.640 -19.954 7 -11.379 -20.008  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -11.484 -19.716 3 -11.372 -20.012 4 -11.335 -19.472 5 -11.608 -19.471 5 -11.608 -19.472	RANGE A2S, 382.65981 -54, 377.61741 -53, 385.08092 -56, 388.17790 -54, 380.47369 -51, 377.61741 -53, 23 MIN 25 SEC 6  RANGE AZS, 378.40583 -54, 373.42082 -53, 376.2446 -51, 373.42082 -53, 376.2446 -51, 373.42082 -53, 376.2446 -51, 373.42082 -53, 376.2446 -51, 373.42082 -53, 376.2446 -51, 376.2446 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.2468 -51, 376.5468 -51, 376.246	C AZN 0 11.2 6 10.7 1 11.4 3 11.6 6 10.7 1 11.2 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 6 10.7 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	SEC TO 144.  AZ SUN -81.3 -80.7 -80.7 -80.	I MPACT .858  AZ A 36.0 36.2 35.4 36.0 36.7 36.2 TAB NO  I MPACT .178  AZ A 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 35.9	ALT 332.41461	LAT   1-6.692 - 2**  B/A AZPHAZ   6.842 - 89-1   0.856 - 88-4    ATLAS PHOTO  LAT   -8-730 - 2**  B/A AZPHAZ   -89-1   0.856 - 88-4    ATLAS PHOTO  LAT   -2-89-1   0.842 - 89-1   0.842 - 89-1    0.842 - 89-1   0.842	INCD 68.5 68.2 0 NO  LCN 4.740  INCD 68.5 68.2 0 NO  LCN 4.699  INCD 68.5 68.2 68.7 68.8 68.8 68.8 68.8 68.8 68.8 68.8	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 32.0 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1 38.6 33.4 38.6 34.2 40.8 31.1 72  R 2060.340 PHAZ EMIS 39.7 32.7 138.6 33.4 38.6 34.2 40.8 31.1 38.6 33.4 38.6 34.2	V PTI 2.435 -665 ALPHA SC 27.7 0.26.4 9.29.2 16.26.4 8.20.2 16.26.4 9.29.0 8.26.4 9.29.0 8.26.4 9.29.0 8.26.4 9.29.0 8.26.4 9.29.0 8.26.4 9.29.0 8.26.4 8.27.7 0.26.4 8.27.7 0.26.4 8.27.7 0.26.4 8.27.7 0.26.4 9.26	H AZ 909 115- ALE PT 62676 2 44955 3 67044 4 44955 3 67045 3 67046 7 65885 5 NCE NO H AZ 881 115. ALE PT 51909 2 226579 3 57344 4 47257 5 07292 6 NCE NO ALE PT 41127 2 08187 3	Z 494 I-PT 1-22-33-4-5-66-7 809 Z 488 I-PT 1-22-3-34-5-66-7 811
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.501 -19.701 3 -11.386 -20.004 4 -11.348 -19.451 5 -11.628 -19.488 6 -11.650 -19.949 7 -11.386 -20.004  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.493 -19.709 3 -11.379 -20.008 4 -11.342 -19.461 5 -11.618 -19.399 6 -11.640 -19.954 7 -11.379 -20.008  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.484 -19.716 3 -11.375 -20.012 4 -11.375 -20.012 4 -11.335 -19.472 5 -11.608 -19.410 6 -11.633 -19.472 5 -11.608 -19.410	RANGE AZS/ 382.65981 - 54, 377.61741 - 53, 385.08092 - 56, 388.17790 - 54, 380.47369 - 51, 377.61741 - 53, 23 MIN 25 SEC 6 RANGE AZS/ 378.40583 - 54, 373.42082 - 53, 378.42082 - 53,	C AZN 0 11-2 6 10-7 1 11-4 3 11-6 7 10-9 6 10-7 10-7 10-7 10-7 10-7 10-7 10-7 10-7	SEC TO 144.  AZ SUN -80.7 -80.7 -81.3 -81.3 -81.3 -80.7  SEC TO 143.  AZ SUN -81.3 -80.7 -91.3 -80.7 -91.3 -80.7 -91.3 -80.7 -91.3 -80.7 -91.3 -80.7 -91.3 -80.7 -90.7 -90.7 -90.7 -90.7 -90.7 -80.7 -80.7 -80.7 -80.7	I MPACT .858  AZ A 36.0 36.2 35.4 36.0 36.7 36.2 TAB NO  I MPACT .178  AZ A 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 36.1 35.4 35.9	ALT 332.41461	LAT	LON 1 INCD 68.5 59.2 68.8 68.2 68.8 68.2 0 NO 1 INCD 68.5 68.2 0 NO LON 4.740 1 INCD 68.5 68.2 0 NO LON CON CON CON CON CON CON CON CON CON C	R 2067.870 PHAZ EMIS 39.7 32.7 40.8 31.2 38.6 33.4 38.6 34.3 40.8 32.0 71  R 2064.106 PHAZ EMIS 39.7 32.7 40.8 31.1 38.6 33.4 38.6 34.2 40.8 31.1 72  R 2060.340 PHAZ EMIS 39.7 32.7 138.6 33.4 38.6 34.2 40.8 31.1 38.6 33.4 38.6 34.2	V PTT 2.435 -66.  ALPHA SC 27.7 0. 26.4 9. 29.2 16. 29.0 8. 26.2 16. 26.4 8.  POD SEQUE  V PT 2.437 -66.  ALPHA SC 27.7 0. 26.4 9. 29.0 8. 26.2 16.  POD SEQUE  V PT 2.439 -66.  ALPHA SC 27.7 0. 26.4 9. 22.439 -66.  ALPHA SC 27.7 0. 26.4 9. 22.439 -66.	H AZ 909 115- ALE PT 62678 2 44955 3 67044 4 455835 5 67044 4 65885 5 NCE NO H AZ 881 115. ALE PT 47257 5 07292 6 NCE NO ALE PT 41127 2 08187 3 47624 4 428609 5	Z 494 T-PT 1-2 3 3-4 4-5 6-7 809 Z 488 T-PT 1-2 3 3-4 4-5 6-7 811 T-PT 1-2 2-3 3-4 4-3 3-4

		8	RA-VII CAMERA	P1 .			13 .
JULY 31,1964 13 HR 23 M	k 29 SEC 991	мс	TAB NO	73	ATLAS PHOTO NO		
TRAJECTORY DATA			FC TO IMPACT	Δ1 Τ	LAT LON		
			139.819	321.11633	. LATLON -8.749 -24.658	2056.572 2.441	-66.827 115.474
PHOTO DATA PT LAT LON RAP	GE AZS/C	AZN /	AZ SUN AZ A	A+	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -11-476 -19-724 369-1	8520 -54.0	11.1 -	-81.0 36.0	3.55485	0.842 -89.1 68.5	39.7 32.7 27.7	0. 1-2 9.30340 2-3 15.89777 3-4
3 -11.364 -20.016 365.6 4 -11.328 -19.482 372.6 5 -11.598 -19.421 375.6	1509 -53.6	10.7	-80.7 36.1	3.50722	0.856 -88.4 68.2	40.8 31.1 26.4	9.30340 2-3
4 -11.328 -19.482 372.	.2354 -56.2	11.4	-80.7 35.4	3.57633	0.835 -88.3 68.7 0.827 -89.8 68.8	38.6 33.4 29.1 38.5 34.2 29.0	8.37913 4- 5
5 -11.598 -19.421 375.6 6 -11.620 -19.963 367.	.1251 -54.3 .	11.6	-81.3 35.9		0.827 -89.8 68.8 <u>0.848 -89.8 68.3</u>		16.09946 5- 6
7 -11.364 -20.016 365.0				3.50722	0.856 -88.4 68.2		7.89037 6- 7
7 -111504 201010 3031	1507 55.0	1011					
			TAB NO	74	ATLAS PHOTO NO	74 POD S	SEQUENCE NO 815
JULY 31:1964 13 HR 23 M.	N 30 SEC 661	MS					
						a V	OTH AZ
TRAJECTORY DATA		2	EC. IC. IMPACI.	ALI	-8.769 -24.617	2052-801 2-442	-66.799 115.467
PT LAT LCN RAI 2 -11.467 -19.732 365. 3 -11.357 -20.021 360. 4 -11.321 -19.493 367.	IGE AZSZC	AZN .	AZSUN AZA	A •	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -11.467 -19.732 365.	1697 -54.0	11.1	-81.0 36.0	3.51383	0.842 -89.1 68.5	39.7 32.6 27.7	0. 1- 2 9.19528 2- 3
3 -11.357 -20.021 360.	10450 -53.6	10.7	-80.7 36.1	3.46677	0.856 -88.4 68.2	40.8 31.1 26.4	9.19528 2- 3
4 -11.321 -19.493 367.	12769 -56.2	11.4	-BO-7 35-4	3_53506_	0.836 -88.3 68.7	38.6 33.3 29.1	15.71340 3-4
5 -11.588 -19.432 370.	38052 <b>-</b> 54.3	11.0	-BI - 3 10 - 9	3.00000	U. 82 / -89.8 00.0	30.7 34.6 67.0	8.28190 4- 5 15.91254 5- 6
6 -11.609 -19.968 363. 7 -11.357 -20.021 360.	52858 -51.7 30450 -53.6	10.9	-81.3 36.6 -80.7 36.1	3.49280	0.848 -89.8 68.3 0.856 -88.4 68.2	40.8 32.0 26.2	7.79887 6- 7
7-11.357 -20.021 360.	30430 ~33.6	10.1					
			TAB NO	75	ATLAS PHOTO NO	75 POD 9	SEQUENCE NO 817
JULY 31,1964 13 HR 23 M	N 32 SEC 341	M.S					
		_					0.714 4.7
TRAJECTORY DATA		S	EC TO IMPACT	ALT	LAT LON -8.788 -24.576	V N	-66.772 115.460
PHOTO DATA					-0.788 -24.376	20491030 21444	001112 1131400
DT LAT JON DA	NGE 4/5/C	47 N	AZSUN AZA	A =	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -11.458 -19.740 361. 3 -11.349 -20.025 356. 4 -11.314 -19.503 363.	1453954.0	11.1	-81.0 36.0	3.47277	0.842 -89.1 68.5	39.7 32.6 27.7	01- 2
3 -11.349 -20.025 356.	9054 -53.6	10.7	-80.7 36.1	3.42628	0.856 -88.4 68.2	40.8 31.1 26.4	9.08714 2- 3
4 -11.314 -19.503 363.	52848 -56.2	11.4	-80.7 35.4	3.49375	0.836 -88.3 68.7	38.6 33.3 29.1	15.52890 3-4
5 -11.577 -19.444 366.	34515 -54.3	11.6	-81.3 35.9	3.52190	0.827 -89.8 68.8	38.5 34.2 28.9	8.18456 4- 5 15.72550 5- 6
6 -11.599 -19.973 359.	54515 -54.3 28147 -51.7 59054 -53.6	10.9	-81.3 36.6	3.45200 3.42628	C.848 -89.8 68.3	40.8 32.0 26.2 40.8 31.1 26.4	7.70737 6- 7
7 -11.349 -20.025 356.	39054 -53.6	10.7	-80.7 35.1	3.42628	0.856 -88.4 68.2		_
			TAB NO	76	ATLAS PHOTO NO	76 POD 9	SEQUENCE NO 819
JULY 31,1964 13 HR 23 M							
TRAJECTORY DATA		2	EC TO IMPACT 134.779	200 7000	LAT LCN -8.808 -24.534	R V	PIH AZ
00070 0174							
			1344117	30741777	-0.000 -24.554	2045.255 2.446	
PHUTU DATA	VGE AZSZC	Δ7N	Δ7 SUN Δ7 Δ	Δ.	B/A AZPHAZ INCD	2045.255 2.446	SCALE PT-PT
PHUTU DATA  PT LAT LON RA 2 -11.449 -19.748 357.	NGE AZS/C	AZN 11.1	AZSUN AZA -81.0 36.0	A* 3.43168	8/A AZPHAZ INCD 0.842 -89.1 68.5	PHAZ EMIS ALPHA 39.7 32.6 27.7	SCALE PT-PT 0. 1- 2
PHOTO DATA  PT LAT LON RA 2 -11.449 -19.748 357. 3 -11.342 -20.029 352.	NGE AZS/C 06919 -54.0 37204 -53.6	AZN 11.1 10.7	AZSUN AZA -81.0 36.0 -80.7 36.1	A* 3.43168	8/A AZPHAZ INCD 0.842 -89.1 68.5	PHAZ EMIS ALPHA 39.7 32.6 27.7	SCALE PT-PT 0. 1-2
PT LAT LON RA 2 -11.449 -19.748 357. 3 -11.342 -20.029 352. 4 -11.307 -19.514 359.	NGE AZS/C 06919 -54.0 37204 -53.6 32464 -56.2	AZN 11.1 10.7 11.4	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4	A* 3.43168	8/A AZPHAZ INCD 0.842 -89.1 68.5	PHAZ EMIS ALPHA 39.7 32.6 27.7	SCALE PT-PT 0. 1-2
PHUTU DATA PT LAT LON RA 2 -11.449 -19.748 357. 3 -11.342 -20.029 352. 4 -11.307 -19.514 359. 5 -11.567 -19.455 362.	NGE AZS/C 36919 -54.0 37204 -53.6 32464 -56.2 20514 -54.3	AZN 11.1 10.7 11.4 11.6	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -61.3 35.9	A* 3.43168	8/A AZPHAZ INCD 0.842 -89.1 68.5	PHAZ EMIS ALPHA 39.7 32.6 27.7	SCALE PT-PT 0. 1-2
PHOTO DATA PT LAT LON RA 2 -11.449 -19.748 357. 3 -11.342 -20.029 352. 4 -11.307 -19.514 359. 5 -11.567 -19.455 362. 6 -11.588 -19.979 355.			AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -61.3 35.9 -81.3 36.6	A* 3.43168 3.38574 3.45240 3.46020 3.41115	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 C.836 -88.3 68.7 0.828 -89.8 68.8 0.848 -89.8 68.3	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6
PHULU DATA PT LAT LON RA 2 -11.449 -19.748 357. 3 -11.342 -20.029 352. 4 -11.307 -19.514 359. 5 -11.567 -19.55 362. 6 -11.588 -19.979 355. 7 -11.342 -20.029 352.			AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -81.3 35.9 -81.3 36.6	A* 3.43168 3.38574 3.45240 3.46020 3.41115	8/A AZPHAZ INCD 0.842 -89.1 68.5	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2	SCALE PT-PT 0. 1-2
			AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -61.3 35.9 -81.3 36.6	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 C.836 -88.3 68.7 0.828 -89.8 68.8 0.848 -89.8 68.3	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6
7 -11.342 -20.029 352.	37204 -53.6	10.7	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -61.3 35.9 -81.3 36.6 -60.7 36.1	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 C.836 -88.3 68.7 0.828 -89.8 68.8 C.848 -89.8 68.8 0.856 -88.4 68.2	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6 7.61556 6-7
	37204 -53.6	10.7 MS	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -51.3 35.9 -81.3 36.6 -80.7 36.1 TAB NO	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 0.856 -88.3 68.7 0.828 -89.8 68.8 0.856 -88.4 68.2 ATLAS PHOTO NO	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD	SCALE PT-PT 0
7 -11.342 -20.029 352.	37204 -53.6	10.7 MS	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -51.3 35.9 -81.3 36.6 -80.7 36.1 TAB NO	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 0.856 -88.3 68.7 0.828 -89.8 68.8 0.856 -88.4 68.2 ATLAS PHOTO NO	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD	SCALE PT-PT 0
7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA	37204 -53.6 IN 35 SEC 700	10.7 MS	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -b1.3 35.9 -81.3 36.6 -80.7 36.1  TAB NO	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574 77  ALT	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 C.836 -88.3 68.7 0.828 -89.8 68.8 C.848 -89.8 68.8 0.856 -88.4 68.2	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD	SCALE PT-PT 0
7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA	37204 -53.6 IN 35 SEC 700	10.7 MS	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -b1.3 35.9 -81.3 36.6 -80.7 36.1  TAB NO	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574 77  ALT	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 0.836 -88.3 68.7 0.828 -89.8 68.8 0.856 -88.4 68.2 ATLAS PHOTO NO	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6 7.61556 6-7 SEQUENCE NO 821
7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA	37204 -53.6 IN 35 SEC 700	10.7 MS	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -b1.3 35.9 -81.3 36.6 -80.7 36.1  TAB NO	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574 77  ALT	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 0.836 -88.3 68.7 0.828 -89.8 68.8 0.856 -88.4 68.2 ATLAS PHOTO NO	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6 7.61556 6-7 SEQUENCE NO 821
7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA	37204 -53.6 IN 35 SEC 700	10.7 MS	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -b1.3 35.9 -81.3 36.6 -80.7 36.1  TAB NO	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574 77  ALT	8/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 0.836 -88.3 68.7 0.828 -89.8 68.8 0.856 -88.4 68.2 ATLAS PHOTO NO	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6 7.61556 6-7 SEQUENCE NO 821  PTH AZ 1-66.716 115.446  SCALE PT-PT 0. 1-2 8.87052 2-3
7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RA 2 -11.440 -19.756 352. 3 -11.334 -20.034 348. 4 -11.299 -19.525 355.	37204 -53.6  IN 35 SEC 700  NGE AZS/C 78978 -54.0 15033 -53.6 101756 -56.2	10.7 MS S AZN 11.1 10.7 11.4	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -b1.3 35.9 -81.3 36.6 -80.7 36.1  TAB NO  SEC TO IMPACT 133.099  AZSUN AZA -81.0 36.0 -80.7 36.1	A* 3.43168 3.38574 3.45240 3.48020 3.41115 3.38574  77  ALT 306.0241* A* 3.39055 3.44518 3.41162	B/A AZPHAZ INCD C.842 -89.1 68.5 C.856 -88.4 68.2 C.836 -88.3 68.7 C.828 -89.8 68.8 C.848 -89.8 68.8 C.848 -89.8 68.2 ATLAS PHOTO NO LAT LCN D -8.827 -24.493 B/A AZPHAZ INCC C.842 -69.1 68.5 C.856 -88.4 68.2 O.856 -88.4 68.2	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD  R 2041.479 2.448 39.7 32.6 27.6 40.8 31.1 26.3	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6 7.61556 6-7 SEQUENCE NO 821  PTH AZ 1-66.716 115.446  SCALE PT-PT 0. 1-2 8.87052 2-3 15.15940 3-4
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7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RA 2 -11.440 -19.756 352. 3 -11.334 -20.034 348. 4 -11.299 -19.525 355. 5 -11.557 -19.467 357. 6 -11.578 -19.984 350. 7 -11.334 -20.034 348.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RA 2 -11.432 -19.764 348. 3 -11.327 -20.039 343. 4 -11.292 -19.536 350.	37204 -53.6  IN 35 SEC 700  NGE AZS/C 78978 -54.0 15033 -53.6 177489 -51.8 15033 -53.6  IN 37 SEC 380  NGE AZS/C 50604 -54.0 92434 -53.6	MS S AZN 11-1 10-7 11-6 10-7 10-7 S S AZN 11-1 10-7	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -61.3 36.6 -80.7 36.1  TAB NO  SEC TO IMPACT 133.099  AZSUN AZA -81.0 36.0 -80.7 36.1  TAB NO  TAB NO  SEC TO IMPACT 133.099  AZSUN AZA -81.0 36.0 -80.7 36.1  TAB NO	A*3168 3.38574 3.45240 3.48020 3.41115 3.38574 77  ALT 306.0241' A* 3.39055 3.34518 3.41162 3.43516 78  ALT 302.2460  A* 3.30457 3.30457 3.30457	B/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 0.836 -88.3 68.7 0.828 -89.8 68.8 0.856 -88.4 68.2  ATLAS PHOTO NO  LAT LCN 0-8.827 -24.493  B/A AZPHAZ INCC 0.842 -89.1 68.3 0.856 -88.4 68.2 0.836 -88.9 68.6 0.848 -89.8 68.6 0.848 -89.8 68.6 0.848 -89.8 68.6 0.848 -89.8 68.7 0.856 -88.4 68.2  ATLAS PHOTO NO  LAT LCN 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD  R 2041.479 2.448 9 PHAZ EMIS ALPHA 39.7 32.6 27.6 40.8 31.1 26.3 78 POD  R 2037.701 2.450 0 PHAZ EMIS ALPHA 5 39.7 32.6 2.6.2 2 40.8 31.1 26.3 78 POD	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08893 4-5 15.53827 5-6 7.61556 6-7 SEQUENCE NO 821  PTH AZ 1-66.716 115.446  SCALE PT-PT 0. 1-2 8.87052 2-3 15.15940 3-4 7.98949 4-5 15.35092 5-6 7.52385 6-7 SEQUENCE NO 823  PTH AZ 0-66.688 115.439 SCALE PT-PT 0. 1-2 8.16209 2-3 14.97441 3-4
7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RA 2 -11.440 -19.756 352. 3 -11.334 -20.034 484. 4 -11.299 -19.525 355. 5 -11.557 -19.467 357. 6 -11.578 -19.967 357. 6 -11.578 -19.963 350. 7 -11.334 -20.034 348.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RA 2 -11.422 -19.764 349. 3 -11.327 -20.039 343. 4 -11.292 -19.536 350. 5 -11.547 -19.478 353.	NGE AZS/C 78978 -54.0 15033 -54.0 15033 -54.3 15033 -55.6 15033 -55.6 15033 -55.6 15033 -55.6 15033 -55.6 15033 -55.6 15033 -55.6 15033 -55.6	MS S AZN 11-1 10-7 11-6 10-7 10-7 S S AZN 11-1 10-7	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -61.3 36.6 -80.7 36.1  TAB NO  SEC TO IMPACT 133.099  AZSUN AZA -81.0 36.0 -80.7 36.1  TAB NO  TAB NO  SEC TO IMPACT 133.099  AZSUN AZA -81.0 36.0 -80.7 36.1  TAB NO	A*3168 3.38574 3.45240 3.48020 3.41115 3.38574 77  ALT 306.0241  A* 3.39055 3.34518 3.41162 3.37026 3.34518 78  ALT 302.2460  A* 3.34938 3.30457 3.36959 3.39959	B/A AZPHAZ INCD C.842 -89.1 68.5 C.856 -88.4 68.2 C.836 -88.3 68.7 C.828 -89.8 68.8 C.84889.8 68.8 ATLAS PHOTO NO  LAT LCN 9 -8.827 -24.493  B/A AZPHAZ INCC C.842 -89.8 68.2 C.826 -88.4 68.2 ATLAS PHOTO NO  LAT LCN 0.856 -88.4 68.2 C.836 -88.4 68.2 ATLAS PHOTO NO  LAT LCN 0.856 -88.4 68.2 ATLAS PHOTO NO	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.8 31.1 26.4 77 POD  R 2041.479 2.448 39.7 32.6 27.6 40.8 31.1 26.3 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1 38.6 33.3 29.1	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53427 5-6 7.61556 6-7 SEQUENCE NO 821  PTH AZ 6-66.716 115.446  SCALE PT-PT 0. 1-2 8.87052 2-3 15.15940 3-4 7.98949 4-5 15.35092 5-6 7.52385 6-7  SEQUENCE NO 823  PTH AZ 0-66.688 115.439  SCALE PT-PT 0. 1-2 8.7052 3-3 14.97441 3-4 7.99185 4-5
7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA  PHOTO DATA  P	NGE AZS/C 78978 -54.0 15033 -53.6 15033 -53.6 17489 -51.8 15033 -53.6 1N 37 SEC 380  NGE AZS/C 50604 -54.0 92434 -53.6 70616 -56.2 51437 -54.3	MS S  AZN 11.1 10.7 11.6 10.9 10.7  MS S  AZN 11.1 11.6 11.6 10.9 10.7	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -81.3 36.6 -80.7 36.1  TAB NO  SEC TO IMPACT 133.099  AZSUN AZA -81.0 36.0 -80.7 36.1  TAB NO  TAB NO  SEC TO IMPACT 131.419  AZSUN AZA -81.3 36.6 -80.7 36.1  TAB NO  SEC TO IMPACT 131.419  AZSUN AZA -81.3 36.6 -80.7 36.1 -80.7 36.1 -80.7 36.1 -80.7 36.1 -80.7 36.1	A*3168 3.38574 3.45240 3.48020 3.41115 3.38574  77  ALT 306.0241'  A* 3.39055 3.34518 3.41162 3.43518  78  ALT 302.2460  A* 3.30457 3.30457 3.30457 3.30457	B/A AZPHAZ INCD 0.842 -89.1 68.5 0.856 -88.4 68.2 0.836 -88.3 68.7 0.828 -89.8 68.8 0.848 -89.8 68.8 0.856 -88.4 68.2  ATLAS PHOTO NO  LAT LCN 0.842 -89.1 68.3 0.856 -88.4 68.2 0.844 -89.1 68.3 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.2 0.856 -88.4 68.3 0.856 -88.4 68.3 0.856 -88.4 68.3 0.856 -88.4 68.3 0.856 -88.4 68.3 0.856 -88.4 68.3 0.856 -88.4 68.3 0.856 -88.8 68.3 0.856 -88.8 68.3 0.856 -88.8 68.3	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD  R 2041.479 2.448 9 PHAZ EMIS ALPHA 39.7 32.6 27.6 40.8 31.1 26.3 78 POD  R 2037.701 2.450 0 PHAZ EMIS ALPHA 5 39.7 32.6 27.6 0 Quantity 20.6 0 PHAZ EMIS ALPHA 6 31.1 26.3 78 POD	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6 7.61556 6-7 SEQUENCE NO 821  PTH AZ 6-66.716 115.446  SCALE PT-PT 0. 1-2 8.87052 2-3 15.15940 3-5 7.98949 4-5 15.35092 5-6 7.52385 6-7  SEQUENCE NO 823  PTH AZ 0-66.688 115.439  SCALE PT-PT 0. 1-2 8.16209 2-3 14.97441 3-4 7.89185 4-5 15.16340 5-6
7 -11.342 -20.029 352.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RA 2 -11.440 -19.756 352. 3 -11.334 -20.034 484. 4 -11.299 -19.525 355. 5 -11.557 -19.467 357. 6 -11.578 -19.964 350. 7 -11.334 -20.034 348.  JULY 31,1964 13 HR 23 M  TRAJECTORY DATA PHOTO DATA PT LAT LON RA 2 -11.427 -19.764 349. 3 -11.327 -20.039 343. 4 -11.292 -19.536 350. 5 -11.547 -19.536 350.	NGE AZS/C 78978 -54.0 15033 -53.6 15033 -53.6 17489 -51.8 15033 -53.6 1N 37 SEC 380  NGE AZS/C 50604 -54.0 92434 -53.6 70616 -56.2 51437 -54.3	MS S  AZN 11.1 10.7 11.6 10.9 10.7  MS S  AZN 11.1 11.6 11.6 10.9 10.7	AZSUN AZA -81.0 36.0 -80.7 36.1 -80.7 35.4 -81.3 36.6 -80.7 36.1  TAB NO  SEC TO IMPACT 133.099  AZSUN AZA -81.0 36.0 -80.7 36.1  TAB NO  TAB NO  SEC TO IMPACT 131.419  AZSUN AZA -81.3 36.6 -80.7 36.1  TAB NO  SEC TO IMPACT 131.419  AZSUN AZA -81.3 36.6 -80.7 36.1 -80.7 36.1 -80.7 36.1 -80.7 36.1 -80.7 36.1	A*3168 3.38574 3.45240 3.48020 3.41115 3.38574  77  ALT 306.0241'  A* 3.39055 3.34518 3.41162 3.43518  78  ALT 302.2460  A* 3.30457 3.30457 3.30457 3.30457	B/A AZPHAZ INCD C.842 -89.1 68.5 C.856 -88.4 68.2 C.836 -88.3 68.7 C.828 -89.8 68.8 C.84889.8 68.8 ATLAS PHOTO NO  LAT LCN 9 -8.827 -24.493  B/A AZPHAZ INCC C.842 -89.8 68.2 C.826 -88.4 68.2 ATLAS PHOTO NO  LAT LCN 0.856 -88.4 68.2 C.836 -88.4 68.2 ATLAS PHOTO NO  LAT LCN 0.856 -88.4 68.2 ATLAS PHOTO NO	PHAZ EMIS ALPHA 39.7 32.6 27.7 40.8 31.1 26.4 38.6 33.3 29.1 38.5 34.2 28.9 40.7 32.0 26.2 40.8 31.1 26.4 77 POD  R 2041.479 2.448 9 PHAZ EMIS ALPHA 39.7 32.6 27.6 40.8 31.1 26.3 78 POD  R 2037.701 2.450 0 PHAZ EMIS ALPHA 5 39.7 32.6 27.6 0 Quantity 20.6 0 PHAZ EMIS ALPHA 6 31.1 26.3 78 POD	SCALE PT-PT 0. 1-2 8.97886 2-3 15.34419 3-4 8.08693 4-5 15.53827 5-6 7.61556 6-7 SEQUENCE NO 821  PTH AZ 6-66.716 115.446  SCALE PT-PT 0. 1-2 8.87052 2-3 15.15940 3-5 7.98949 4-5 15.35092 5-6 7.52385 6-7  SEQUENCE NO 823  PTH AZ 0-66.688 115.439  SCALE PT-PT 0. 1-2 8.16209 2-3 14.97441 3-4 7.89185 4-5 15.16340 5-6

		RA-V	II CAMERA	P1		-	14
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JULY 31,1964 13 HR	23 MIN 39 SEC .60	MS	TAB NO	79	ATLAS PHOTO NO	79	POD SEQUENCE NO 825
TRAJECTORY DATA			IMPACT	AL T	1.4.7		
			9.739		LAT LON -8.866 -24.409	2033.921	V PTH AZ 2.451 -66.661 115.432
PHOTO DATA PT LAT LON	RANGE AZS/C	AZN AZSU	V AZA	A+	B/A AZPHAZ INCD		
2 -11.423 -19.772	344.21815 -54.0	11.1 -81.0	36.0	3.30817	0.842 -89.1 68.5	39.7 32.6	ALPHA SCALE PT-PT 27.6 Q. 1-2 26.3 8.65355 2-3
3 -11.519 -20.043	339.69423 -53.6	10.7 -80.	7 36-1	3,26393	0.857 -88.4 68.2	40.8 31.1	26.3 8.65355 2-3
4 -11.285 -19.547 5 -11.536 -19.490	346.39059 -56.2 349.16263 -54.3	11.3 -80.	7 35.4 3 35.9	3.32813	0.836 -88.3 68.7 0.828 -89.8 68.7	38.6.33.3	29.114.78927 _3- 4
6 -11.557 -19.994	342.25243 -51.8	10-9 -81-	36.6	3_28838	0.849 -89.8 68.3	40.7 32.0	_26_2 14_97574 5- 6
7 -11.319 -20.043	339.69423 -53.6	10.7 -80.	7 36.1	3.26393	0.857 -88.4 68.2	40.8 31.1	26.3 7.34022 6- 7
			TAB NO	80	ATLAS PHOTO NO	80	POD SEQUENCE NO 827
JULY 31,1964 13 HR	23.MIN 40 SEC. 740	MS					
TRAJECTORY DATA		SEC TO	IMPACT	ALT	LAT LON	R	V PTHA7
			3.059		-8.886 -24.367	2030.139	2.453 -66.633 115.425
PHOTO DATA PT LAT LON	24NCE 47576	A70 - A700			B/A AZPHAZ INCD		
2 -11.414 -19.780	RANGE AZS/C 339.92675 -54.0 335.46061 -53.6	11.1 -81.0	1 AZA ) 36.0	3.26693	0.843 -89.1 68.4	PHAZ EMIS	ALPHA SCALE PT-PT 27.6 0. 1-2
3 -11.311 -20.048	335.46061 -53.6	10.7 -80.	36.1	3.22325	0.857 -88.4 68.2	40.8 31.1	26.3 8.54498 2- 3
4 -11.278 -19.558 5 -11.526 -19.502	342-07146 -56-2	11.3 -80.	7 35.4	3.28663	0.836 -88.3 68.6	38.6 33.3	29.1 14.60400 3-4
6 -11.546 -20.000	344.80736 -54.3 337.98562 -51.8	11.5 ~81.1 10.9 ~81.	36.6	3.24738	0.828 -89.8 68.7	40.7 31.9	28.9 7.69637 4- 5 26.2 14.78792 5- 6
7 -11.311 -20.048	337.9856251.8 335.46061 -53.6	10.9 -81. 10.7 -80.	36.1	3.22325	0.857 -88.4 68.2	40.8 31.1	26.3 7.24830 6- 7
			TAB NO	81	ATLAS PHOTO NO	81	POD SEQUENCE NO 829
JULY 31,1964 13 HR	23 MIN 42 SEC 420	152					7 00 320021102 110 829
TRAJECTORY DATA		SEC TO	TMPACT	AL T	LAT . LON	R	V PTH A7
		120	379	290.89925	-8.906 -24.325	2026.355	VPTHAZ 2.455 ~66.604 115.418
PHOTO DATA PT LAT LON	RANGE AZS/C	A7N A7CH	4 Δ7Δ	Δ.			
2 -11.405 -19.788	335.63107 -54.0	AZN AZSU!	1 AZA		B/A AZPHAZ INCO 0.843 -89.1 68.4	PHAZ EMIS	
3 -11.304 -20.053	331.22277 -53.6	10.7 -80.1	36.1	3.18253	0.857 -88.4 68.2	40.8 31.1	27.6 0. 1-2 26.3 8.43621 2-3
4 -11.271 -19.569 5 -11.516 -19.513	337.74808 -56.2	11.3 -80.3	35.4	3.24509	0.836 88.3 68.6	38.6 33.3	29-1 14-41856 3-4
5 -11.516 -19.513 6 -11.535 -20.005	340.44783 -54.3 333.71460 -51.8 331.22277 -53.6	11.5 -81. 10.9 -81.	36.6	3.27115 3.20635		38.5 34.1 40.7 31.9	28.9 7.59852 4- 5 26.2 14.59996 5- 6
7 -11.304 -20.053	121 22277 -63 4	10 7 -00	2000	3.20033	0.047 07.0 00.2	4001 3103	
. ****** - 20*073	331.622211 -33.0	-80.	36 • L	3.18253	0.857 -88.4 68.2	40.8 31.1	26.3 7.15618 6- 7
. 111504 -201055	331.22211 -33.8	-80.					
JULY 31,1964 13 HR			TAB NO	3.18253 <b>82</b>	ATLAS PHOTO NO	40.8 31.1 <b>82</b>	POD SEQUENCE NO 831
JULY 31,1964 13 HR	23 MIN 44 SEC 100	1S	TAB NO	82	ATLAS PHOTO NO	82	POD SEQUENCE NO 831
JULY 31,1964 13 HR TRAJECTORY DATA		4S SEC TO	TAB NO	82 ALT	ATLAS PHOTO NO	82	POD SEQUENCE NO 831
JULY 31,1964 13 HR TRAJECTORY DATA	23 MIN 44 SEC 100	15 SEC T( 124	TAB NO	82 ALT 287.11314	ATLAS PHOTO NO  LAT LON -8.926 -24.282	82 R 2022.568	POD SEQUENCE NO 831  V PTH AZ 2.457 -66.576 115.411
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON	23 MIN 44 SEC 100 RANGE AZS/C	SEC TO	TAB NO	82 ALT 287.11314	ATLAS PHOTO NO  LAT LON -8.926 -24.282	82 R 2022.568	POD SEQUENCE NO 831  V PTH AZ  2.457 -66.576 115.411  ALPHA SCALE PT-PT
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.396 -19.796 3 -11.296 -20.058	RANGE AZS/C 331-33148 -54-0 326-98104 -53.6	SEC T( 124 AZN AZSUI	TAB NO  IMPACT  700  AZA  36.0	At T 287.11314  A* 3.18432	ATLAS PHOTO NO  LAT LON -8.926 -24.282  B/A AZPHAZ INCD 0.843 -89.1 68.4 0.857 -88.4 68.4	82 2022-568 PHAZ EMIS 39-7 32-6	POD SEQUENCE NO 831  Y PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.32147 2-3
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.396 -19.796 3 -11.296 -20.058 4 -11.263 -19.580	RANGE AZS/C 331.33148 -54.0 326.98104 -53.6 333.42072 -56.2	AZN AZSUM 11-1 -81-6 10-7 -80-1	TAB NO  IMPACT  -700  AZA  36.0  36.1  35.4	At T 287.11314  A* 3.18432	ATLAS PHOTO NO  LAT LON -8.926 -24.282  B/A AZPHAZ INCD 0.843 -89.1 68.4 0.857 -88.4 68.4	82 2022-568 PHAZ EMIS 39-7 32-6	POD SEQUENCE NO 831  V PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 0. 1- 2 26.3 8.32747 2- 3 29.0 14.23293 3- 4
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.396 -19.796 3 -11.296 -20.058 4 -11.263 -19.580 5 -11.505 -19.525	23 MIN 44 SEC 100    RANGE AZS/C 331.33148 -54.0 326.98104 -53.6. 333.42072 -56.2 336.08434 -54.3	AZN AZSUM 11.1 -81.6 10.7 -80.1 11.3 -80.1 11.5 -81.1	TAB NO  IMPACT 1.700  AZA 36.0 36.1 735.4 35.9	ALT 287-11314 A+ 3-18432 : 3-14177 3-20352 3-22923	ATLAS PHOTO NO  LAT LON -24.282  B/A AZPHAZ INCD 0.843 -89.1 68.4 68.4 68.5 68.6 68.6 68.6 68.6 68.8 68.6 68.6	R 2022.568 PHAZ EMIS 39.7 32.6 40.8 31.1 38.6 33.3 38.5 34.1	POD SEQUENCE NO 831  V PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 1- 2 26.3 8.32747 2- 3 29.0 14.23293 3- 4 28.9 7.50069 4- 5
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.396 -19.796 3 -11.296 -20.058 4 -11.263 -19.580 5 -11.505 -19.525	RANGE AZS/C 331.33148 -54.0 326.98104 -53.6 333.42072 -56.2 336.08434 -54.3 329.43970 -51.8	AZN AZSUM 11.1 -81.6 10.7 -80.1 11.3 -80.1 11.5 -81.1	TAB NO  IMPACT 700  AZA  36.0  36.1  35.4  35.9  36.5	AtT 287.11314 A* 3.18432 : 3.14177 : 3.20352 : 3.22923 : 3.16528 :	ATLAS PHOTO NO  LAT 10N -8.926 -24.282  B/A AZPHAZ INCD 0.843 -89.1 68.4 0.857 -88.4 68.2 0.836 -88.3 68.6 0.828 -89.8 68.7 0.828 -89.8 68.7	82 R 2022.568 PHAZ EMIS 39.7 32.6 40.8 31.1 38.6 33.3 38.5 34.1 40.7 31.9	POD SEQUENCE NO 831  Y PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.32747 2-3 29.0 14.23293 3-4 28.9 7.50069 4-5 26.2 14.41183 5-6
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT 2 -11.396 -19.796 3 -11.296 -20.058 4 -11.263 -19.580 5 -11.505 -19.525 6 -11.525 -20.058	RANGE AZS/C 331.33148 -54.0 326.98104 -53.6 333.42072 -56.2 336.08434 -54.3 329.43970 -51.8	AZN AZSUM 11-1 -81-6 10-7 -80-7 11-3 -80-1 11-5 -81-1 10-9 -81-3	TAB NO  IMPACT -700  4 AZA 36.0 7 36.1 8 35.9 8 36.5 7 36.1	At T 287.11314 A* 3.18432 3.14177 3.20352 3.22923 3.16528 3.14177	ATLAS PHOTO NO  LAT 10N -8.926 -24.282  B/A AZPHAZ INCD 0.843 -89.1 68.4 0.857 -88.4 68.2 0.828 -89.8 68.7 0.828 -89.8 68.7 0.889 -89.8 68.7 0.889 -89.8 68.2 0.8697 -68.4 68.2	R 2022.568 PHAZ EMIS 39.7 32.6 40.8 31.1 38.6 33.3 38.5 34.1 40.7 31.9 40.8 31.1	POD SEQUENCE NO 831  Y PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.32747 2-3 29.0 14.23293 3-4 28.9 7.50069 4-5 26.2 14.41183 5-6 26.3 7.06416 6-7
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.396 -19.796 3 -11.296 -20.058 4 -11.253 -19.580 5 -11.555 -20.010 7 -11.296 -20.058  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -11.388 -20.063 4 -11.256 -19.597 6 -11.514 -20.016 7 -11.288 -20.063  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -11.381 -20.063  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -11.288 -20.063	RANGE AZS/C 331.33148 -54.0 326.98104 -53.6 333.42072 -56.2 336.08434 -54.3 329.43970 -51.8 326.98104 -53.6  RANGE AZS/C 327.02658 -54.0 322.73412 -53.6 329.08788 -56.2 331.71540 -54.3 325.15966 -51.8 322.73412 -53.6  23 MIN 47 SEC 460 I	AZN AZSUM 1.1 -81.( 1.0.7 -80.:  AZN AZSUM 1.1.3 -80.: 1.5 -81. 1.0.7 -80.:  AZN AZSUM 1.1 -81.( 1.0.7 -80.:  AZN AZSUM 1.1 -81.( 1.0.7 -80.:  AZN AZSUM 1.1 -81.( 1.1 -81.( 1.2 -80.:  AZN AZSUM 1.1 -81.( 1.2 -80.:  AZ	TAB NO  AZA 36.0 36.1 36.1 35.9 36.1 TAB NO  IMPACT 020 AZA 36.0 36.0 36.0 36.1 7.35.4 36.5 36.1 TAB NO	82  ALT 287.11314  3.8432 3.14177 3.20352 3.22923 3.16528 3.14177 83  ALT 283.32484  A.* 3.14295 3.10097 3.16189 3.18725 3.12415 3.10097 84  ALT 279.53461 A.* 3.10154	ATLAS PHOTO NO  LAT LON -8.926 -24.282  B/A AZPHAZ INCD 0.893 -89.1 68.4 0.8957 -88.4 68.2 0.896 -88.3 68.6 0.828 -89.8 68.7 0.849 -89.8 68.7 0.849 -89.8 68.7 0.849 -89.8 68.7 0.849 -89.8 68.7 0.849 -89.8 68.7 0.849 -89.8 68.2  ATLAS PHOTO NO  LAT LON -8.946 -24.240  B/A AZPHAZ INCD 0.828 -89.8 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 ATLAS PHOTO NO  LAT LCN -8.966 -24.197  B/A AZPHAZ INCD 0.843 -89.1 68.4	82  R 2022.568  PHAZ EMIS 39.7 32.6 40.8 31.1 83  2018.780  PHAZ EMIS 39.7 32.6 40.8 31.1 38.6 33.2 38.5 34.1 40.7 31.9 40.8 31.1 84  R 2014.990  PHAZ EMIS 39.7 32.5	POD SEQUENCE NO 831  Y PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.32747 2-3 28.9 7.50069 4-5 26.2 14.41183 5-6 26.3 7.06416 6-7  POD SEQUENCE NO 833  V PTH AZ 2.459 -66.548 115.404  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.21853 2-3 29.0 14.04699 3-4 28.9 7.40256 4-5 26.2 14.22336 5-6 26.3 6.97205 6-7  POD SEQUENCE NO 835
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.396 -19.796 3 -11.296 -20.058 4 -11.263 -19.525 6 -11.505 -19.525 6 -11.505 -20.010 7 -11.296 -20.058  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.387 -19.805 3 -11.288 -20.063 4 -11.256 -19.591 5 -11.495 -19.591 5 -11.496 -20.016 7 -11.288 -20.063  JULY 31,1964 13 HR  TRAJECTORY UATA PHOTO DATA PT LAT LON 2 -11.318 -19.813 3 -11.281 -19.813 3 -11.281 -19.813	RANGE AZS/C 331.33148 -54.0 326.98104 -53.6 333.42072 -56.2 336.08434 -54.3 329.43970 -51.8 329.43970 -51.8 329.43970 -51.8 326.98104 -53.6 23 MIN 45 SEC 780 18 AZS/C 327.02658 -54.0 322.73412 -53.6 322.734	AZN AZSUM 1.1.1 -81.( 10.7 -80.1 1.3 -80.1 1.0.7 -80.1 1.5 -81.1 1.0.7 -80.1 1.1 -81.1 1.3 -80.1 1.1 -81.1 1.3 -80.1 1.3 -80.1 1.1 -81.1 1.3 -80.1 1.3 -80.1 1.4 -81.1 1.5 -80.1 1.5 -80.1 1.7 -80.1	TAB NO  I MPACT  1-700  A AZA  36.0  36.1  35.4  35.9  36.1  TAB NO  I MPACT  36.0  36.0  TAB NO  I MPACT  35.9  36.1  TAB NO  I MPACT  35.9  36.1  TAB NO	82  ALT 287.11314  A.8 432 3.14177 3.20352 3.22923 3.16528 3.16528 ALT 283.32484  A.9 3.14295 3.10097 3.16189 3.12415 3.10097 84  ALT 279.53461  A.9 3.10154 3.06013	ATLAS PHOTO NO  LAT LON -8.926 -24.282  B/A AZPHAZ INCD 0.843 -89.1 68.4 68.2 0.826 -89.8 68.7 0.846 -89.8 68.7 0.849 -89.8 68.7 0.849 -89.8 68.7 0.849 -89.8 68.7 0.849 -89.8 68.7 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -89.8 68.7 0.849 -89.8 0.849 -	R 2022.568 PHAZ EMIS 39.7 32.6 40.8 31.1 83 8.6 33.3 38.5 34.1 40.7 31.9 40.8 31.1 83  R 2018.780 PHAZ EMIS 39.7 32.6 40.8 31.1 84  R 2014.990 PHAZ EMIS 39.7 32.5 40.8 31.1	POD SEQUENCE NO 831  Y PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.32747 2-3 29.0 14.23293 3-4 28.9 7.50069 4-5 26.2 14.41183 5-6 26.3 7.06416 6-7  POD SEQUENCE NO 833  V PTH AZ 2.459 -66.548 115.404  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.21853 2-3 29.0 14.04699 3-4 28.9 7.40256 4-5 26.2 14.22336 5-6 26.3 6.97205 6-7  POD SEQUENCE NO 835  V PTH AZ 2.461 -66.519 115.397  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.10348 2-3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.396 -19.796 3 -11.296 -20.058 4 -11.263 -19.525 6 -11.505 -19.525 6 -11.525 -20.010 7 -11.296 -20.058  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.387 -19.805 3 -11.288 -20.063 4 -11.256 -19.591 5 -11.495 -19.591 5 -11.495 -19.591 5 -11.496 -19.591 5 -11.498 -20.063  JULY 31,1964 13 HR  TRAJECTORY UATA  PHOTO DATA  PT LAT LON 2 -11.378 -19.813 3 -11.281 -20.068 4 -11.249 -19.602 5 -11.448 -19.603	RANGE AZS/C 331.33148 -54.0 326.98104 -53.6 333.42072 -56.2 336.08434 -54.3 329.43970 -51.8 329.43970 -51.8 329.43970 -51.8 326.98104 -53.6 23 MIN 45 SEC 780 18 AZS/C 327.02658 -54.0 322.73412 -53.6 322.734	AZN AZSUM 1.1.1 -81.( 10.7 -80.1 1.3 -80.1 1.0.7 -80.1 1.5 -81.1 1.0.7 -80.1 1.1 -81.1 1.3 -80.1 1.1 -81.1 1.3 -80.1 1.3 -80.1 1.1 -81.1 1.3 -80.1 1.3 -80.1 1.4 -81.1 1.5 -80.1 1.5 -80.1 1.7 -80.1	TAB NO  I MPACT  1-700  A AZA  36.0  36.1  35.4  35.9  36.1  TAB NO  I MPACT  36.0  36.0  TAB NO  I MPACT  35.9  36.1  TAB NO  I MPACT  35.9  36.1  TAB NO	82  ALT 287.11314  3.18432 3.14177 3.20352 3.22923 3.16528 3.1	ATLAS PHOTO NO  LAT 10N -8.926 -24.282  B/A AZPHAZ INCD 0.843 -89.1 68.4 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2  ATLAS PHOTO NO  LAT LON -8.946 -24.240  B/A AZPHAZ INCD 0.843 -89.1 68.4 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7 0.858 -89.8 68.7	R 2022.568 PHAZ EMIS 39.7 32.6 40.8 31.1 83.3 38.5 34.1 40.7 31.9 40.8 31.1 83  R 2018.780 PHAZ EMIS 39.7 32.6 40.8 31.1 84  R 2014.990 PHAZ EMIS 39.7 32.5 40.8 31.1 84	POD SEQUENCE NO 831  Y PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.32747 2-3 29.0 14.23293 3-4 28.9 7.50069 4-5 26.2 14.41183 5-6 26.3 7.06416 6-7  POD SEQUENCE NO 833  V PTH AZ 2.459 -66.548 115.404  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.21853 2-3 29.0 14.04699 3-4 28.9 7.40256 4-5 26.2 14.22336 5-6 26.3 6.97205 6-7  POD SEQUENCE NO 835
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.396 -19.796 3 -11.296 -20.058 4 -11.255 -92.010 7 -11.296 -20.058  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -11.387 -19.805 3 -11.288 -20.063 4 -11.256 -19.597 6 -11.514 -20.016 7 -11.288 -20.063  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -11.387 -19.805 3 -11.288 -20.063  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -11.378 -19.813 3 -11.281 -20.064 4 -11.278 -19.813 3 -11.281 -20.068	RANGE AZS/C 331.33148 -54.0 326.98104 -53.6 333.42072 -56.2 336.08434 -54.3 329.43970 -51.8 329.43970 -51.8 329.43970 -51.8 326.98104 -53.6 23 MIN 45 SEC 780 18 AZS/C 327.02658 -54.0 322.73412 -53.6 322.734	AZN AZSUM 1.1 -81.( 1.0.7 -80.:  AZN AZSUM 1.1.3 -80.: 1.5 -81. 1.0.7 -80.:  AZN AZSUM 1.1 -81.( 1.0.7 -80.:  AZN AZSUM 1.1 -81.( 1.0.7 -80.:  AZN AZSUM 1.1 -81.( 1.1 -81.( 1.2 -80.:  AZN AZSUM 1.1 -81.( 1.2 -80.:  AZ	TAB NO  I MPACT  1-700  A AZA  36.0  36.1  35.4  35.9  36.1  TAB NO  I MPACT  36.0  36.0  TAB NO  I MPACT  35.9  36.1  TAB NO  I MPACT  35.9  36.1  TAB NO	82  ALT 287.11314  3.18432 3.14177 3.20352 3.22923 3.16528 3.14177  83  ALT 283.32484  A. 3.14295 3.10097 3.16189 3.18725 3.12415 3.10097 84  ALT 279.53461  ALT 279.53461  ALT 279.53461  3.06013 3.12022 3.14523 3.08239 3.08239	ATLAS PHOTO NO  LAT LON -8.926 -24.282  B/A AZPHAZ INCD 0.893 -89.1 68.4 0.8957 -88.4 68.2 0.892 -89.8 68.7 0.894 -89.8 68.7 0.894 -89.8 68.7 0.894 -89.8 68.7 0.894 -89.8 68.6 0.898 -89.8 68.6 0.898 -89.8 68.6 0.898 -89.8 68.6 0.898 -89.8 68.6 0.898 -89.8 68.6 0.898 -89.8 68.6 0.898 -89.8 68.2  ATLAS PHOTO NO  LAT LON -8.946 -24.240 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2 0.857 -88.4 68.2	R 2022.568 PHAZ EMIS 39.7 32.6 40.8 31.1 83.3 38.5 34.1 40.7 31.9 40.8 31.1 83  R 2018.780 PHAZ EMIS 39.7 32.6 40.8 31.1 84  R 2014.990 PHAZ EMIS 39.7 32.5 40.8 31.1 84	POD SEQUENCE NO 831  Y PTH AZ 2.457 -66.576 115.411  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.32747 2-3 29.0 14.23293 3-4 28.9 7.50069 4-5 26.2 14.41183 5-6 26.3 7.06416 6-7  POD SEQUENCE NO 833  V PTH AZ 2.459 -66.548 115.404  ALPHA SCALE PT-PT 27.6 0. 1-2 26.3 8.21853 2-3 29.0 14.04699 3-4 28.9 7.40256 5-6 26.3 6.97205 6-7  POD SEQUENCE NO 835  V PTH AZ 2.459 -66.548 115.397  ALPHA SCALE PT-PT 2.461 -66.519 115.397  ALPHA SCALE PT-PT 2.461 -66.519 115.397  ALPHA SCALE PT-PT 2.461 -66.519 115.397  ALPHA SCALE PT-PT 2.60 0. 1-2 26.3 8.10948 2-3 29.0 13.86092 3-4 28.8 17.30453 4-5

	RA-VII CAMERA	PJ			15.
JULY 31,1964 13 HR 23 MIN 49 SEC 140 MS	TAB NO	85	ATLAS PHOTO NO	85 POD 9	SEQUENCE NO 837
TRAJECTORY DATA	SEC TO IMPACT	AL T	LAT LON	R V	PTH AZ
	119.660		-8.986 -24.154	2011.197 2.462	-66.491 115.389
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A= 8	/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -11.369 -19.822 318.40486 -54.0 11.1		3.06009 0.	843 -89.1 68.4	39.7 32.5 27.6	0. 1- 2 8.00037 2- 3
3 -11.273 -20.073 314.22846 -53.7 10.7 4 -11.241 -19.614 320.41028 -56.2 11.3	-81.0 36.0 -80.7 36.1 -80.7 35.4	3.01924 C. 3.07851 O.		40.8 31.1 26.3 38.6 33.2 29.0	13.67470 3- 4
5 -11.474 -19.561 322.96563 -54.3 11.5	-81.3 35.9	3.10318 C.	829 -89.8 68.7	38.5 94.0 28.8	7.20639 4- 5
6 -11.493 -20.028 316.58770 -51.8 10.9 7 -11.273 -20.073 314.22846 -53.7 10.7	-81.3 36.5 -80.7 36.1	3.04179 C. 3.01924 C.	849 -89.8 .68.2. 857 -88.4 .68.1	40.7 31.9 26.1 40.8 31.1 26.3	13.84600 5-6 6.78742 6-7
7 -11.273 -20.073 314.22846 -53.7 10.7					
ANN ALLOW TO ME TO SEE GIR ME	TAB NO	86	ATLAS PHOTO NO	86 POD	SEQUENCE NO 839
JULY 31,1964 13 HR 23 MIN 50 SEC 819 MS					
TRAJECTORY DATA	SEC TO IMPACT	ALT	LAT .LUN -9.006 -24.111	2007-403-2-464	PTH AZ -66.462 115.382
PHOTO DATA					
	AZSUN AZA -81.0 36.0	A+ E	/A AZPHAZ INCD 843 -89-1 68-4	PHAZ EMIS ALPHA	SCALE PT-PT O. 1- 2
2 -11.360 -19.830 314.08815 -54.0 11.1 3 -11.265 -20.078 309.96982 -53.7 10.7		2.97832 0	857 -88.4 68.1	40.8 31.0 20.3	7.89116 2- 3
4 -11.234 -19.625 316.06563 -56.2 11.3	-60.6 35.4	3.03677 0.	83788.3 _ 68.6	38-6 33-2 29-0	7.10817 4- 5
5 -11.463 -19.574 318.58490 -54.3 11.5 6 -11.482 -20.033 312.29592 -51.9 10.9	-81.3 35.9 -81.3 36.5	3.06108 0.	829 -89.8 68.7	38.5 34.0 28.8 40.7 31.9 26.1	13.65711 5- 6
7 -11.265 -20.078 309.96982 -53.7 10.7		2.97832 0	857 -88.4 68.1	40.8 31.0 26.3	13.65711 5- 6 6.69500 6- 7
	TAB NO	87	ATLAS PHOTO NO	87 POD	SEQUENCE NO 841
JULY 31,1964 13 HR 23 MIN_52_SEG 499 MS					
TRAJECTURY DATA	SEC TO IMPACT	A1 T	LAT LON	R V	PTH AZ
TRAJECTORY DATA	116.300	268.15137	LAT LON -9.027 -24.068	2003.607 2.466	-66.434 115.375
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZ SUN AZA	Δ= .	3/A AZPHAZ INCD	DUA Z EMTS ALDHA	SCALE PT-PT
PT LAT LON RANGE AZS/C AZN 2 -11.351 -19.839 309.76743 -54.0 .11.1 3 -11.258 -20.083 305.70717 -53.7 10.7	-81.0 36.0	2.97707 0	843 -89.1 68.4	39.7 32.5 27.6	0 1- 2
3 -11.258 -20.083 305.70717 -53.7 10.7	-60.7 36.0	2.93737 0	857 -86.4 68.1	40.8 31.0 26.3	7.78189 2-3 13.30178 3-4
4 -11.227 -19.637 311.71695 -56.2 11.3 5 -11.453 -19.586 314.20012 -54.3 11.5	-80.6 35.4 -81.3 35.9	2.99499 0 3.01895 0		38.6 33.2 29.0 38.5 34.0 28.8	7.00983 4- 5
6 -11.471 -20.039 308.00013 -51.9 10.9	-81.3 36.5	2.95928 0	.849 -89.8 68.2	40.7 31.9 26.1	13.46808 5- 6
7 -11.258 -20.083 305.70717 -53.7 10.7	-60.7 36.0	2.93737 0	.857 -88.4 68.1	40.8 31.0 26.3	6.60247 6- 7
	TAB NO	88	ATLAS PHOTO NO	88 POD	SEQUENCE NO 843
JULY אי, 13 HK 23 MIN 54 SEC 179 MS					
TRAJECTORY DATA	SEC TO EMPACT	AL T	LAT LON	R V	PTH AZ
PHOTO DATA	114.620	264.35289	-9.047 -24.024	1999.808 2.46	5 -66.405 115.367
PHUTU DATA PT LAT LON RANGE AZS/C AZN 2 -11.342 -19.848 305.44268 -54.0 11.1	AZSUN AZA -81.0 36.0	A.	B/A AZPHAZ INCD .843 -89.1 68.4	PHAZ EMIS ALPHA	SCALE PT-PT
2 -11.342 -19.848 305.44268 -54.0 11.1 3 -11.250 -20.088 301.44055 -53.7 10.7	-81.0 36.0 -80.7 36.0	2.93551 0 2.89637 0	.843 -89.1 68.4 .857 -88.4 68.1	39.7 32.5 27.6 40.8 31.0 26.3	0. 1- 2 7.67249 2- 3
4 -11.219 -19.648 307.36425 -56.2 11.3	-60.7 36.0 -60.6 35.4	2.95317 0		38.6 33.2 29.0	13.11511 3-4
5 -11.442 -19.598 309.81135 -54.3 11.5	-81.3 35.9	2.97678 C	.829 -89.8 68.6		6.91140 4- 5
6 -11.460 -20.045 303.70033 -51.9 10.9 7 -11.250 -20.088 301.44055 -53.7 10.7		2.91797 Q 2.89637 Q		40.8 31.0 26.3	13.27890 5- 6 6.50995 6- 7
7 -11:250 · 10:000 30:144035 35:1 10:0					SEQUENCE NO 845
JULY 31,1964 13 HK 23 MIN 55 SEC 859 MS	TAB NO	89	ATLAS PHOTO NO	69 POD	שבעטבוזטב אט 145
30E1 3141404 13 III 23 MIN 33 320 037 M3					
TRAJECTORY DATA	SEC TO IMPACT 112.940	ALT 260.55228	LAT LCN -9.067 -23.981	R V	PTH AZ 0 -66.376 115.360
PHOTO DATA					
	I AZSUN AZA	A+ 1 00301 0	B/A AZPHAZ INCD .843 -89.1 68.4	PHAZ EMIS ALPHA	SCALE PT-PT 0. 1- 2
2 -11.332 -19.856 301.11384 -54.1 11.1 3 -11.242 -20.094 297.16982 -53.7 10.7	-80./ 35.9	2.85534 C	.857 -88.4 68.1	40.8 31.0 26.3	7.56304 2- 3
4 -11.212 -19.660 303.00742 -30.2 11.5	, -av.u 37.4	2.91131 0	.837 -88.3 68.5	38.6 33.2 29.0	12.92828 3-4
5 -11.432 -19.610 305.41843 -54.4 11.5 6 -11.450 -20.051 299.39646 -51.9 10.8	-81.3 35.9		.829 -89.8 68.6 .85C -89.8 68.2		0101300
6 -11.450 -20.051 299.39646 +51.9 10.8 7 -11.242 -20.094 297.16982 -53.7 10.3	81.3 36.5 -80.7 36.0	2.85534 0	.857 -88.4 68.1	40.8 31.0 26.3	
	TAR NO	00	ATLAS PHOTO NO	90 POD	SEQUENCE NO 847
JULY 31,1964 13 HK 23 MIN 57 SEC 539 MS	UN GNI				
TRAJECTURY DATA	SEC TO TMPACE	Δ1 T	LAT LON	R V	PTH AZ
	111.260	256.74965	-9.088 -23.937	1992.205 2.47	PTH AZ 2 -66.347 115.352
PHOTO DATA PT LAT LON RANGE AZS/C AZE	1 AZSIIN AZA		B/A AZPHAZ INCE	PHAT EMIS ALPHA	SCALE PT-PT
2 -11.323 -19.865 296.78104 -54.1 11.3	-81.0 35.9	2.85227 0	.844 -89.1 68.4 .857 -86.4 68.1	39.7 32.5 27.5	0. 1- 2 7.45353 2- 3
3 -11.234 -20.099 292.89516 -23.7 10.	-80.7 36.0	2.81426 0	.857 -86.4 68.1	1 40.8 31.0 26.3 5 38.6 33.1 28.9	7.45353 2-3 12.74128 3-4
4 -11.204 -19.671 298.64661 -56.2 11.5 5 -11.421 -19.623 301.02157 -54.4 11.5	5 -81.3 35.9	2.89233 0	.837 -88.3 68.5 .829 -89.8 68.6	38.5 34.0 28.6	6.71443 4- 5
6 -11.439 -20.057 295.08863 -51.9 10.0	81.3 36.5	2.83523 (	.850 -89.8 68.2	2 40.7 31.9 26.1	
7 -11.234 -20.099 292.89516 -53.7 10.	7 -80.7 36.0	2.81426 0	1.857 -88.4 68.1	40.8 31.0 26.	, 0.32777 0-1

				RATVI	CAMERA	P1.						16_
					TAB NO	91	ATLAS I	PHOTO NO	91	POD	SEQUENCE NO	849
JULY 31,1964 13 HR								-				
TRAJECTORY DATA			_	.SEC TO	IPPACT_	ALT .	_ LAT	LON	R_	<b>y</b>	PIH	A2
				109.	580	252.9448	9 -9.108	-23.893	1988.40	00 2.474	-66.318 11	5.345
	RANGE	AZS/C	AZN	AZ SUN	AZA	A+	B/A AZP	HAZ INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
3 -11.226 -20.105	288-61609	-53-7	11.1	-81.0	35.9	2.81058	0.844 -8	9.0 68.3	39.7.32.5	.27.5		1- 2
4 -11.197 -19.683	294.28133	-56.2	11.3	80.6	35.4	_2.82746	0.838 -8	88.3 68.5	38.6 33.1	28.9	12.55415	3- 4
2 -11.314 -19.874 3 -11.226 -20.105 4 -11.197 -19.683 5 -11.410 -19.635 611.428 -20.063	296.62018	-54.4	11.5	-81.2	35.9	2.85004	0.83C -8	9-8 68-6	38.5 34.0	28.8	6.61578	4- 5
5 -11.410 -19.635 6 -11.428 -20.063 7 -11.226 -20.105	288.61609	-53.7	10.7	-80.7	36.0	2 77216		9.8 68.2 88.4 68.1			6.23166	
_					TAB NO							
JULY 31,1964 13 HR	24 MIN N	SEC 899	MS		IAB NO		AILAS	ом отоне	92	POD :	SEQUENCE NO	851
	C1 2:10	SEC 977										
IRAJECTORY_DATA				SEC TO	IPPACT_	ALT	LAI	LON	. R	V	-66.288 11	<u> 2</u>
PHOTO DATA				107.	901	24701301	7 -9.129	-23.849	1984.59	13 2.476	-66.288 11	5.337
PHOTO DATA PT LAT LON 2 -11.305 -19.883 3 -11.218 -20.110 4 -11.189 -19.695	RANGE	AZS/C	AZN	AZ SUN	AZA	Δ=	B/A AZP	HAZ INCD	PHAZ EMIS	ALPHA	SCALE 0. 7.23408 12.36670	PT-PT
3 -11 -218 -20 110	288 • 10158	-54.1	11.1	~81.0_	35.9.	2.76885	0.844 -8	9.0 68.3	39.7.32.	27.5.	0.	1- 2
4 -11.189 -19.695	289.91106	-56.2	11.3	~80.6	35.4	2.78548	0.838 -8	86.3 68.5	38.6 33.1	28.9	12.36670	2- 3
4 -11.189 -19.695 5 -11.400 -19.648 6 -11.417 -20.069	292.21383	-54.4	11.5	-81.2	35.9							
7 -11.218 -20.110	286.45934	51.9 -53.7	10.8	-81.3	36.4	2.75232	0.850 -8	9.8 _68.2	40.7.31.6	26.1	12.52047	. <u>5-</u> 6
		,,,,,,	100,									
IULY31.196413_HR	24 MIN 2	SEC 579	MS		TAB NO			PHOTO NO			SEQUENCE NO	
TRAJECTORY DATA				SEC TO	IPPACT	AI T	I AT	I ON	D	v	PTH	4.7
				106.	221	245.3290	9 -9.150	-23.804	1980.78	4 2.478	-66.259 11	5.330
PHOTO DATA PT LAT LON	RANGE 283 75506	A 75 / C	A 7 M	4.7.5.1141	474	A+				_		
2 -11.295 -19.892	283.75506	-54.1	11.1	-81.0	35.9	2-72708	0_844 -8	19.0 68.3	39.7 32.4	27.5	SCALE	PT-PT
3 -11.210 -20.116 4 -11.182 -19.707	280.04398	-53.7	10.7	-80.7	36.0	2.09078	U.831 -8	18-4 DB-1	40.H 31.I	1 26.3	7.12421	2- 3
4 -11.182 -19.707 5 -11.389 -19.661	285.53645	~56.2	11.3	-80.6 -81.2	35.4	2.74344	0.838 -8	18.3 68.5 19.8 68.6	38.6 33.1	28,9	12.11.312	3- 4
6 -11-406 -20-076	282.13794 280.04398	-51.9	10.8	-81.3	36.4	2.71080	0.850 -8	19.8 68.6	38.5 33.9	28.7	6.41818 12.33040	4-5
7 -11.210 -20.116	280.04398	-53.7	10.7	-80.7	36.0	2.69078	0.857 -8	9.8 68.2 18.4 68.1	40.8 31.0	26.3	6.04596	6- 7
					TAB NO	94	ATLAS F	PHOTO NO	94	POD 5	SECUENCE NO	855 ~
JULY 31,1964 13 HR	24 MIN 4	SEC 259	MS		TAB NO	94	ATLAS F	РНОТО НО	94	POD :	SEQUENCE NO	855
JULY 31,1964 13 HR	24 MIN 4	SEC 259				•					· ·	
TRAJECTORY DATA				SEC_TO	IMPACT	ALT					· ·	
TRAJECTORY DATA				SEC_TO	IMPACT	ALT	LAT C -9.170	LON -23.760	R 1976.91	V 13 2.480	PTH -66.230 11	AZ 5.322
TRAJECTORY DATA				SEC_TO	IMPACT	ALT 241.51810	LAT C -9.170	LON -23.760	1976.97	73 2.480	PTH -66.230 11	AZ 5.322 PT-PT
TRAJECTORY DATA				SEC_TO	IMPACT	ALT 241.51810	LAT C -9.170	LON -23.760	1976.97	73 2.480	PTH -66.230 11	AZ 5.322 PT-PT 1- 2 2- 3
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.124 -11.174 -19.719	RANGE 279.40468 275.75191 281.15796	AZS/C -54.1 -53.7 -56.2	AZN 11.1 10.7 11.3	SEC TG 104. AZ SUN -81.0 -80.7 -80.6	AZA 35.9 36.0 35.4	ALT 241.51810 A* 2.68527 2.64954 2.70138	LAT C -9.170 B/A AZP 0.844 -8 0.858 -8 0.838 -8	LON -23.760 PHAZ INCD 19.0 68.3 18.4 68.1	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1	V 73 2.480 A&PHA 27.5 26.3 28.9	PTH -66.230 11: SCALE 0. 7.01428 11.99142	AZ 5.322 PT-PT 1- 2 2- 3 3- 4
PHOTO DATA PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673 6 -11.395 -20.082	RANGE 279-40468 275-75191 281-15796 283-38857 277-81270	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9	AZN 11.1 10.7 11.3 11.5	AZ SUN -81.0 -80.7 -80.6 -81.2	AZA 35.9 36.0 35.4 35.9 36.4	ALT 241.51810 A* 2.68527 2.64954 2.70138 2.72290	B/A AZP 0.844 -8 0.858 -8 0.838 -8 0.836 -8	LON -23.760 PHAZ INCD 19.0 68.3 18.4 68.5 19.8 68.5	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.9	V 73 2.480 6 ALPHA 27.5 26.3 28.9	PTH -66.230 11: SCALE 0. 7.01428 11.99142 6.31933	AZ 5.322 PT-PT 1- 2 2- 3 3- 4
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673	RANGE 279.40468 275.75191 281.15796	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9	AZN 11.1 10.7 11.3 11.5	AZ SUN -81.0 -80.7 -80.6 -81.2	AZA 35.9 36.0 35.4 35.9 36.4	ALT 241.51810 A* 2.68527 2.64954 2.70138 2.72290	B/A AZP 0.844 -8 0.858 -8 0.838 -8 0.836 -8	LON -23.760 PHAZ INCD 19.0 68.3 18.4 68.1	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.9	V 73 2.480 6 ALPHA 27.5 26.3 28.9	PTH -66.230 11: SCALE 0. 7.01428 11.99142	AZ 5.322 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11-286 -19-901 3 -11-202 -20.121 4 -11-174 -19-71 5 -11-378 -19-673 6 -11-395 -20-082 7 -11-202 -20-121	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9	AZN 11.1 10.7 11.3 11.5 10.8	AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	AZA 35.9 36.0 35.4 35.9 36.4	ALT 241.51810 A* 2.68527 2.64954 2.70138 2.72290	C -9.170  B/A AZP 0.844 -8 0.858 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8	LON -23.760 PHAZ INCD 19.0 68.3 18.4 68.5 19.8 68.5	R 1976-97 PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.9 40.7 31.8 40.8 31.0	V 73 2.480 6 ALPHA 9 27.5 9 26.3 1 28.9 9 28.7 3 26.1 9 26.3	PTH -66-230 11:  SCALE 0. 7.01428 11.99142 6.31493 12.14021 5.95291	AZ 5.322 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DATA PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673 6 -11.395 -20.082	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9	AZN 11.1 10.7 11.3 11.5 10.8	AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	AZA 35.9 36.0 35.4 35.9 36.4 35.9	ALT 241.51810 A* 2.68527 2.70138 2.72290 2.66924 2.64954	C -9.170  B/A AZP 0.844 -8 0.858 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8	10N -23.760 PAZ INCD 19.0 68.3 18.4 68.1 19.8 68.5 19.8 68.2 19.8 68.2	R 1976-97 PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.9 40.7 31.8 40.8 31.0	V 73 2.480 6 ALPHA 9 27.5 9 26.3 1 28.9 9 28.7 3 26.1 9 26.3	PTH -66.230 11: SCALE 0. 7.01428 11.99142 6.31933 12.14021	AZ 5.322 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11-286 -19-901 3 -11-202 -20.121 4 -11-174 -19-71 5 -11-378 -19-673 6 -11-395 -20-082 7 -11-202 -20-121	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9	AZN 11.1 10.7 11.3 11.5 10.8 10.7	AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3	AZA 35.9 36.0 35.4 35.9 36.0 35.4 35.9 36.0 TAB NO	ALT 241.51810 A* 2.68527 2.64954 2.70138 2.72290 2.66924 2.64954	LAT C -9.170 B/A AZP 0.844 -8 0.858 -8 0.838 -8 0.830 -8 0.850 -8 0.855 -8	10N -23.760 PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 18.4 68.1 PHOTO NO	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.3 40.7 31.6 40.8 31.0	V 73 2.480 6 ALPHA 27.5 26.3 28.9 9 28.7 3 26.1 9 26.3 POD 5	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291 SEQUENCE NO	AZ 5.322 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673 6 -11.395 -20.082 7 -11.202 -20.121  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9	AZN 11.1 10.7 11.3 11.5 10.8 10.7	AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3	AZA 35.9 36.0 35.4 35.9 36.0 35.4 35.9 36.0 TAB NO	ALT 241.51810 A* 2.68527 2.64954 2.70138 2.72290 2.66924 2.64954	LAT C -9.170 B/A AZP 0.844 -8 0.858 -8 0.838 -8 0.830 -8 0.850 -8 0.855 -8	10N -23.760 PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 18.4 68.1 PHOTO NO	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.3 40.7 31.6 40.8 31.0	V 73 2.480 6 ALPHA 27.5 26.3 28.9 9 28.7 3 26.1 9 26.3 POD 5	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291 SEQUENCE NO	AZ 5.322 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.376 -19.673 6 -11.375 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939	AZN 11-1 10-7 11-3 11-5 10-8 10-7	AZ SUN -81.0 -80.7 -80.6 -81.2 -61.3 -80.7	AZA 35.9 36.0 35.4 35.9 36.4 36.0 TAB NO	ALT 241.51810 A* 2.68527 2.64954 2.70138 2.72290 2.66924 2.64954 95	C -9.170  B/A AZP  0.844 -8  0.838 -8  0.836 -8  0.836 -8  ATLAS F	10N -23.760 HAZ INCD 19.0 68.3 18.4 68.1 19.8 68.5 19.8 68.2 18.4 68.1 PHOTO NO	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 88.5 33.9 40.7 31.6 95	V 3 2-480 6 ALPHA 6 27-5 9 26-3 9 28-7 1 26-1 9 26-3 POD 9	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291 SEQUENCE NO	AZ 5.322 PT-PT 1-2 2-3 3-4 4-5 5-6-7 857
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.376 -19.673 6 -11.375 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939	AZN 11-1 10-7 11-3 11-5 10-8 10-7	AZ SUN -81.0 -80.7 -80.6 -81.2 -61.3 -80.7	AZA 35.9 36.0 35.4 35.9 36.4 36.0 TAB NO	ALT 241.51810 A* 2.68527 2.64954 2.70138 2.72290 2.66924 2.64954 95	C -9.170  B/A AZP  0.844 -8  0.838 -8  0.836 -8  0.836 -8  ATLAS F	10N -23.760 HAZ INCD 19.0 68.3 18.4 68.1 19.8 68.5 19.8 68.2 18.4 68.1 PHOTO NO	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 88.5 33.9 40.7 31.6 95	V 3 2-480 6 ALPHA 6 27-5 9 26-3 9 28-7 1 26-1 9 26-3 POD 9	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291  SEQUENCE NO	AZ 5-322 PT-PT 1-2 2-3 3-4 4-5 5-6-7 857
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673 6 -11.378 -20.082 7 -11.202 -20.121  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939	AZN 11.1 10.7 11.3 11.5 10.8 10.7 MS	AZ SUN -81.0 -80.6 -81.2 -80.7 SEC TO 102.	AZA 35.9 36.0 35.4 35.9 36.0 TAB NO	ALT 241.5181(  A. 2.68527 2.64954 2.70138 2.72290 2.66924 2.64954 95  ALT 237.70494 4.64342 2.60826 2.	C 1AT C -9.170 C .844 -8 C .858 -8 C .838 -8 O .83C -8 O .85C -8 ATLAS F LAT 9 -9.191 B/A AZP C .854 -8	10N -23.760  PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.5 19.8 68.2 18.4 68.1  PHOTO NO  LON -23.715  PHAZ INCD 19.0 68.3	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 95	V 2.480  6 ALPHA  27.5  28.9  28.9  28.7  26.3  POD :  V 00 2.481  6 ALPHA  27.5  6 ALPHA	PTH -66-230 11:  SCALE 0. 7-01428 11.99142 6.31933 12.14021 5.95291  SEQUENCE NO  PTH -66-200 11:  SCALE 0. 6.99420	AZ 5-322 PT-PT 1-2 2-3 3-4 4-5 5-6-7 857
PHOTO DATA PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.376 -19.673 6 -11.395 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.731 5 -11.367 -19.686	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2	AZN 11-1 10-7 11-3 11-5 10-8 10-7 MS	AZ SUN -81.0 -80.6 -81.2 -80.7 -80.6 -81.2 -81.3 -80.7 SEC TO 102. AZ SUN -81.0 -80.6 -80.6	IMPACT 5541  AZA 35.9 36.0 35.4 35.9 36.4 36.0 TAB NO  IMPACT 861  AZA 35.9 36.4 36.0 35.0 36.0 35.0 36.0 35.0 36.0 36.0 36.0 36.0 36.0 35.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36	ALT 241.5181(  A. 2.68527 2.64954 2.70138 2.72290 2.66924 2.64954 95  ALT 237.70494 4.64342 2.60826 2.	C 1AT C -9.170 C .844 -8 C .858 -8 C .838 -8 C .83C -8 C .85C -8 ATLAS F LAT 9 -9.191 B/A AZP C .854 -8	10N -23.760 HAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.5 19.8 68.2 18.4 68.1 PHOTO NO -23.715 HAZ INCD 19.0 68.3	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 95	V 2.480  6 ALPHA  27.5  28.9  28.9  28.7  26.3  POD :  V 00 2.481  6 ALPHA  27.5  6 ALPHA	PTH -66-230 11:  SCALE 0. 7:01428 11:99142 6:31933 12:14021 5:95291 SEQUENCE NO  PTH -66-200 11: SCALE 0. 6:90420 11:80355	AZ 5.322 PT-PT 1-2 2-3 3-4-5 5-6-7 857 AZ 5.314 PT-PT 1-2 2-3 3-4
PHOTO DATA PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.376 -19.673 6 -11.395 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.731 5 -11.367 -19.686	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2	AZN 11-1 10-7 11-3 11-5 10-8 10-7 MS	AZ SUN -81.0 -80.6 -81.2 -80.7 -80.6 -81.2 -81.3 -80.7 SEC TO 102. AZ SUN -81.0 -80.6 -80.6	IMPACT 5541  AZA 35.9 36.0 35.4 35.9 36.4 36.0 TAB NO  IMPACT 861  AZA 35.9 36.4 36.0 35.0 36.0 35.0 36.0 35.0 36.0 36.0 36.0 36.0 36.0 35.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36	ALT 241.51810 A.	1 AT	LON -23.760  HAZ INCD 68.3 8.4 68.1 8.3 68.5 9.8 68.5 19.8 68.2 PHOTO NO  LON -23.715  HAZ INCD 99.0 68.3 8.4 68.1 18.3 68.5 19.8 68.1 19.9 68.3	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.9 40.7 31.6 40.8 31.0 95 PHAZ EMIS 39.7 32.4 40.8 31.3 38.6 33.1 38.5 33.9	V 2.480  ALPHA 27.5  28.9  26.3  POD:  V 27.5  ALPHA 27.5  ALPHA 27.5  26.3  ALPHA 27.5  26.3	PTH -66-230 11:  SCALE 0. 7:01428 11:99142 6:31933 12:14021 5:95291 SEQUENCE NO  PTH -66-200 11: SCALE 0. 6:90420 11:80355	AZ 5.322 PT-PT 1-2 2-3 3-4-5 5-6-7 857 AZ 5.314 PT-PT 1-2 2-3 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11-286 -19-901  3 -11-202 -20.121  4 -11.174 -19-673  6 -11.378 -9-673  6 -11.395 -20.082  7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN  2 -11.277 -19-911  3 -11.194 -20.127  4 -11.167 -19-731	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2	AZN 11-1 10-7 11-3 11-5 10-8 10-7 MS	AZ SUN -81.0 -80.6 -81.2 -80.7 -80.6 -81.2 -81.3 -80.7 SEC TO 102. AZ SUN -81.0 -80.6 -80.6	IMPACT 5541  AZA 35.9 36.0 35.4 35.9 36.4 36.0 TAB NO  IMPACT 861  AZA 35.9 36.4 36.0 35.0 36.0 35.0 36.0 35.0 36.0 36.0 36.0 36.0 36.0 35.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36	ALT 241.51810 A.	1 AT	10N -23.760 HAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.5 19.8 68.2 18.4 68.1 PHOTO NO -23.715 HAZ INCD 19.0 68.3	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.9 40.7 31.6 40.8 31.0 95 PHAZ EMIS 39.7 32.4 40.8 31.3 38.6 33.1 38.5 33.9	V 2.480  ALPHA 27.5  28.9  26.3  POD:  V 27.5  ALPHA 27.5  ALPHA 27.5  26.3  ALPHA 27.5  26.3	PTH -66-230 11:  SCALE 0. 7:01428 11:99142 6:31933 12:14021 5:95291 SEQUENCE NO  PTH -66-200 11: SCALE 0. 6:90420 11:80355	AZ 5.322 PT-PT 1-2 2-3 3-4 4-5 5-6-7 857 AZ 5.314 PT-PT 1-2 3-4 4-5 5-314
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673 6 -11.375 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.731 5 -11.367 -19.686 6 -11.384 -20.088 7 -11.194 -20.127	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 276.77538 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.1 -53.7	AZN 11.1 10.7 11.3 11.5 10.8 10.7 MS	SEC TO 104-  AZ SUN -81-0 -80-7 -80-6 -81-2 -81-3 -80-7 -80-6 -81-2 -81-3 -80-7 -80-6 -81-2 -81-3 -80-7	IMPACT .541  AZA .35.9 .36.0 .35.4 .35.9 .36.4 .36.0 .35.4 .36.0 .35.4 .36.0 .35.4 .36.0 .35.4 .36.0 .35.4 .36.4 .	ALT 241.51810  A.68527 2.64954 2.70138 2.72296 95  ALT 237.7049' A.6224 2.60926 2.65927 2.60826 2.65927 2.60826 2.65927	1 AT 0 -9.170  0.844 -8 0.858 -8 0.836 -8 0.836 -8 0.856 -8  ATLAS F  LAT 9 -9.191  8/A AZP 0.844 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8	10N -23.760 PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 19.8 68.2 19.8 68.2 19.8 68.3 19.8 68.3 19.8 68.3 19.8 68.3 19.8 68.3 19.8 68.3 19.8 68.3 19.8 68.3	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0 95 PHAZ EMIS 39.7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0	27.5 26.3 26.7 26.3 28.9 26.7 26.3 26.7 26.3 26.3 27.5 26.3 27.5 26.3 28.7 26.3 28.7 26.3 28.7 28.7 26.3	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291 SEQUENCE NO  PTH -66.200 11:  SCALE 0. 6.90420 11.60355 6.22028 11.94984 5.85975	AZ 5-322 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 857 AZ 5-314 PT-PT 1-2 3-4 4-5 5-6 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673 6 -11.375 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.731 5 -11.367 -19.686 6 -11.384 -20.088 7 -11.194 -20.127	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 276.77538 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.1 -53.7	AZN 11.1 10.7 11.3 11.5 10.8 10.7 MS	SEC TO 104-  AZ SUN -81-0 -80-7 -80-6 -81-2 -81-3 -80-7 -80-6 -81-2 -81-3 -80-7 -80-6 -81-2 -81-3 -80-7	IMPACT .541  AZA .35.9 .36.0 .35.4 .35.9 .36.4 .36.0 .35.4 .36.0 .35.4 .36.0 .35.4 .36.0 .35.4 .36.0 .35.4 .36.4 .	ALT 241.51810  A.68527 2.64954 2.70138 2.72296 95  ALT 237.7049' A.6224 2.60926 2.65927 2.60826 2.65927 2.60826 2.65927	1 AT 0 -9.170  0.844 -8 0.858 -8 0.836 -8 0.836 -8 0.856 -8  ATLAS F  LAT 9 -9.191  8/A AZP 0.844 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8	LON -23.760  HAZ INCD 68.3 8.4 68.1 8.3 68.5 9.8 68.5 19.8 68.2 PHOTO NO  LON -23.715  HAZ INCD 99.0 68.3 8.4 68.1 18.3 68.5 19.8 68.1 19.9 68.3	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0 95 PHAZ EMIS 39.7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0	27.5 26.3 26.7 26.3 28.9 26.7 26.3 26.7 26.3 26.3 27.5 26.3 27.5 26.3 28.7 26.3 28.7 26.3 28.7 28.7 26.3	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291 SEQUENCE NO  PTH -66.200 11: SCALE 0. 6.90420 11.80355 6.22028	AZ 5-322 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 857 AZ 5-314 PT-PT 1-2 3-4 4-5 5-6 6-7
PHOTO DATA PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.376 -19.673 6 -11.395 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.731 5 -11.367 -19.686	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 276.77538 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.1 -53.7	AZN 11.1 10.7 11.3 11.5 10.8 10.7 MS	SEC 102  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC 102  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT	ALT 241.51810 A.	C -9.170  6/A AZP 0.844 -8 0.858 -8 0.836 -8 0.856 -8 0.856 -8 ATLAS F  LAT 9 -9.191  8/A AZP 0.844 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8	10N -23.760 PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 19.8 68.2 19.8 68.2 19.8 68.2 19.8 68.3 19.8 68.3 19.8 68.1 19.8 68.3 19.8 68.3 19.8 68.3 19.8 68.3	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0 95	V 23 2-480 (ALPHA 27-5) 26-3 (28-9) 28-7 (26-3) 26-3 (27-5) 26-3 (27-5) 26-3 (28-7) 26-3 (28-7) 26-3 (26-3) 26-3 (26-3) 26-3 (26-3) 26-3 (26-3) 26-3 (26-3)	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291 SEQUENCE NO PTH -66.200 11: SCALE 0. 6.90420 11.80355 6.22028 11.94984 5.85975 SEQUENCE NO	AZ 5-322 PT-PT 1-2 2-3 3-4-5 5-6-7 857 AZ 5-314 PT-PT 1-2 2-3 3-4-5 5-6-7 859
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -9.673 6 -11.395 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.731 5 -11.367 -19.686 6 -11.384 -20.088 7 -11.194 -20.127  JULY 31.1964 13 HR  TRAJECTORY DATA	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 276.77538 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.1 -53.7	AZN 11.1 10.7 11.3 11.5 10.8 10.7 MS	SEC 102  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC 102  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT	ALT 241.51810 A.	C -9.170  6/A AZP 0.844 -8 0.858 -8 0.836 -8 0.856 -8 0.856 -8 ATLAS F  LAT 9 -9.191  8/A AZP 0.844 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8 0.836 -8	10N -23.760 PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 19.8 68.2 19.8 68.2 19.8 68.2 19.8 68.3 19.8 68.3 19.8 68.1 19.8 68.3 19.8 68.3 19.8 68.3 19.8 68.3	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0 95	V 23 2-480 (ALPHA 27-5) 26-3 (28-9) 28-7 (26-3) 26-3 (27-5) 26-3 (27-5) 26-3 (28-7) 26-3 (28-7) 26-3 (26-3) 26-3 (26-3) 26-3 (26-3) 26-3 (26-3) 26-3 (26-3)	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291 SEQUENCE NO PTH -66.200 11: SCALE 0. 6.90420 11.80355 6.22028 11.94984 5.85975 SEQUENCE NO	AZ 5-322 PT-PT 1-2 2-3 3-4-5 5-6-7 857 AZ 5-314 PT-PT 1-2 2-3 3-4-5 5-6-7 859
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673 6 -11.375 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.731 5 -11.367 -19.686 6 -11.384 -20.088 7 -11.194 -20.127  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 618	AZN 11.1 10.7 10.8 10.7 10.8 10.7 MS	SEC TO 104.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC TO 102.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	AZA 35.9 36.0 35.4 35.9 36.0 TAB NO IMPACT 861 AZA 35.9 36.9 36.9 36.0 TAB NO	ALT 241.51810  A-241.51810  A-24.68527 2.64954 2.70138 2.72290 2.66924 2.64954  95  ALT 237.70490 A-2.64342 2.60826 96  ALT 233.88980	1 AT 0 -9.170  B/A AZP 0.854 -8 0.858 -8 0.836 -8 0.856 -8 ATLAS F  LAT 9 -9.191  B/A AZP 0.858 -8 0.8	10N -23.760  PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 19.8 68.2 19.8 68.7 19.8 68.7 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.7 19.8 68.6 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0 95 R 1973.16 PHAZ EMIS 39.7 32.4 40.8 31.0 40.8 31.0 96	V 23 2-480 2-480 2-480 2-481 26-3 POD 5 2-481 P	PTH -66-230 11:  SCALE 0. 7:01428 11:99142 6:31933 12:14021 5:95291  SEQUENCE NO 11: SCALE 0. 6:90420 11:80355 6:22028 11:94984 5:85975  SEQUENCE NO	AZ 5-322 PT-PT 1-2 2-3 3-4 5-6-7 857 AZ 5-314 PT-PT 1-2 2-3 3-4 5-6-7 859 AZ 5-6-7 859
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -19.673 6 -11.375 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.731 5 -11.367 -19.686 6 -11.384 -20.088 7 -11.194 -20.127  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 618	AZN 11.1 10.7 10.8 10.7 10.8 10.7 MS	SEC TO 104.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC TO 102.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	AZA 35.9 36.0 35.4 35.9 36.0 TAB NO IMPACT 861 AZA 35.9 36.9 36.9 36.0 TAB NO	ALT 241.51810  A-241.51810  A-24.68527 2.64954 2.70138 2.72290 2.66924 2.64954  95  ALT 237.70490 A-2.64342 2.60826 96  ALT 233.88980	1 AT 0 -9.170  B/A AZP 0.854 -8 0.858 -8 0.836 -8 0.856 -8 ATLAS F  LAT 9 -9.191  B/A AZP 0.858 -8 0.8	10N -23.760  PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 19.8 68.2 19.8 68.7 19.8 68.7 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.7 19.8 68.6 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0 95 R 1973.16 PHAZ EMIS 39.7 32.4 40.8 31.0 40.8 31.0 96	V 23 2-480 2-480 2-480 2-481 26-3 POD 5 2-481 P	PTH -66.230 11:  SCALE 0. 7:01428 11:99142 6:31933 12:14021 5:95291 SEQUENCE NO  PTH -66.200 11: SCALE 0. 6:90420 11:80355 6:22028 11:94984 5:85975 SEQUENCE NO	AZ 5-322 PT-PT 1-2 2-3 3-4-5 5-6-7 857 AZ 5-314 PT-PT 859 AZ 5-6-7 859
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -9.673 6 -11.395 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.686 6 -11.384 -20.127  JULY 31.1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -11.277 -19.686 7 -11.194 -20.127	RANGE 279-40468 275-75191 281-15796 283-38857 277-81270 275-75191 24 MIN 5 RANGE 275-05020 271-45579 278-36892 273-48339 271-45579 24 MIN 7	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 618	AZN 11.1 10.7 10.8 10.7 10.8 10.7 MS	SEC TO 104.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC TO 102.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	AZA 35.9 36.0 35.4 35.9 36.0 TAB NO IMPACT 861 AZA 35.9 36.9 36.9 36.0 TAB NO	ALT 241.51810  A-241.51810  A-24.68527 2.64954 2.70138 2.72290 2.66924 2.64954  95  ALT 237.70490 A-2.64342 2.60826 96  ALT 233.88980	1 AT 0 -9.170  B/A AZP 0.854 -8 0.858 -8 0.836 -8 0.856 -8 ATLAS F  LAT 9 -9.191  B/A AZP 0.858 -8 0.8	10N -23.760  PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 19.8 68.2 19.8 68.7 19.8 68.7 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.7 19.8 68.6 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.6 40.8 31.0 95 R 1973.16 PHAZ EMIS 39.7 32.4 40.8 31.0 40.8 31.0 96	V 23 2-480 2-480 2-480 2-481 26-3 POD 5 2-481 P	PTH -66.230 11:  SCALE 0. 7:01428 11:9142 6:31933 12:14021 5:95291  SEQUENCE NO  PTH -66.200 11:  SCALE 0. 6:90420 11:80355 6:22028 11:94984 5:85975  SEQUENCE NO  PTH -66.170 11:  SCALE	AZ 5.322 PT-PT 1-2 2-3 3-4 4-5 6-7 857 AZ 5.314 PT-PT 1-2 2-3 3-4 4-5 6-7 859 AZ 5.306 PT-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.286 -19.901  3 -11.202 -20.121  4 -11.174 -19.719  5 -11.378 -19.673  6 -11.375 -20.082  7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN  2 -11.277 -19.911  3 -11.194 -20.127  4 -11.167 -19.751  5 -11.367 -19.686  6 -11.384 -20.088  7 -11.194 -20.127  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.267 -19.920  3 -11.166 -20.133  4 -11.167 -19.920  3 -11.166 -20.133  4 -11.167 -19.920  3 -11.166 -20.133	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 276.77538 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.1 -53.7 SEC 618	AZN 11.1 10.7 11.3 11.5 10.7 MS	SEC 102.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC 102.  AZ SUN -81.0 -80.6 -81.2 -81.3 -80.7	IMPACT 541  AZA 35.9 36.4 35.9 36.4 36.0 TAB NO  IMPACT 861  AZA 35.9 36.4 36.0 TAB NO	ALT 241.51810 A.	C -9.170  B/A AZP 0.844 -8 0.838 -8 0.830 -8 0.856 -8  ATLAS F  LAT 9 -9.191  B/A AZP 0.836 -8 0.836 -8 0.836 -8  ATLAS F  LAT 0 -9.212  LAT 0 -9.212  C.844 -8 0.838 -8	10N -23.760  PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.5 19.8 68.5 19.8 68.5 19.8 68.5 19.8 68.5 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.8 19.8 68.7 19.8 68.8 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.8 40.8 31.0 39.7 32.4 40.8 31.0 38.6 33.1 38.6 33.3 40.7 31.8 40.8 31.0 96	V 2480  ALPHA 27.5  26.3  28.9  28.7  26.3  POD :  ALPHA 26.3  POD :  V 2481  ALPHA 27.5  26.3  POD :  V 2481  ALPHA 27.5  26.3  POD :  V 2481  ALPHA 27.5  V 26.3	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14022 5.95291 SEQUENCE NO  PTH -66.200 11: SCALE 0. 6.90420 6.90420 11.90355 6.22028 11.94984 5.85975 SEQUENCE NO  PTH -66.170 11: SCALE 0. 6.79410 11.61556	AZ 5.322 PT-PT 1-2 2-3 3-4 5-6 6-7 857 AZ 5.314 PT-PT 1-2 2-3 3-4-5 5-6 7 859 AZ 859 AZ 859
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.286 -19.901  3 -11.202 -20.121  4 -11.174 -19.719  5 -11.378 -19.673  6 -11.375 -20.082  7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN  2 -11.277 -19.911  3 -11.194 -20.127  4 -11.167 -19.751  5 -11.367 -19.686  6 -11.384 -20.088  7 -11.194 -20.127  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.267 -19.920  3 -11.166 -20.133  4 -11.167 -19.920  3 -11.166 -20.133  4 -11.167 -19.920  3 -11.166 -20.133	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 276.77538 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.1 -53.7 SEC 618	AZN 11.1 10.7 11.3 11.5 10.7 MS	SEC 102.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC 102.  AZ SUN -81.0 -80.6 -81.2 -81.3 -80.7	IMPACT 541  AZA 35.9 36.4 35.9 36.4 36.0 TAB NO  IMPACT 861  AZA 35.9 36.4 36.0 TAB NO	ALT 241.51810 A.	C -9.170  B/A AZP 0.844 -8 0.838 -8 0.830 -8 0.856 -8  ATLAS F  LAT 9 -9.191  B/A AZP 0.836 -8 0.836 -8 0.836 -8  ATLAS F  LAT 0 -9.212  LAT 0 -9.212  C.844 -8 0.838 -8	10N -23.760  PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.5 19.8 68.5 19.8 68.5 19.8 68.5 19.8 68.5 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.8 19.8 68.7 19.8 68.8 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.8 40.8 31.0 39.7 32.4 40.8 31.0 38.6 33.1 38.6 33.3 40.7 31.8 40.8 31.0 96	V 2480  ALPHA 27.5  26.3  28.9  28.7  26.3  POD :  ALPHA 26.3  POD :  V 2481  ALPHA 27.5  26.3  POD :  V 2481  ALPHA 27.5  26.3  POD :  V 2481  ALPHA 27.5  V 26.3	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14021 5.95291 SEQUENCE NO  PTH -66.200 11:  SCALE 0. 6.90420 11.80355 6.22028 11.94984 5.85975 SEQUENCE NO  PTH -66.170 11:  SCALE 0. 6.79410 11.61556 6.12132	AZ 5-322 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 857 AZ 5-314 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 859 AZ 5-306 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.286 -19.901 3 -11.202 -20.121 4 -11.174 -19.719 5 -11.378 -9.673 6 -11.395 -20.082 7 -11.202 -20.121  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.277 -19.911 3 -11.194 -20.127 4 -11.167 -19.686 6 -11.384 -20.127  JULY 31.1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -11.277 -19.686 7 -11.194 -20.127	RANGE 279.40468 275.75191 281.15796 283.38857 277.81270 275.75191 24 MIN 5 RANGE 275.05020 271.45579 276.77538 278.96992 273.48339 271.45579	AZS/C -54.1 -53.7 -56.2 -54.4 -51.9 -53.7 SEC 939 AZS/C -54.1 -53.7 -56.2 -54.1 -53.7 SEC 618	AZN 11.1 10.7 11.3 11.5 10.7 MS	SEC 102.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC 102.  AZ SUN -81.0 -80.6 -81.2 -81.3 -80.7	IMPACT 541  AZA 35.9 36.4 35.9 36.4 36.0 TAB NO  IMPACT 861  AZA 35.9 36.4 36.0 TAB NO	ALT 241.51810 A.	C -9.170  B/A AZP 0.844 -8 0.838 -8 0.830 -8 0.856 -8  ATLAS F  LAT 9 -9.191  B/A AZP 0.836 -8 0.836 -8 0.836 -8  ATLAS F  LAT 0 -9.212  LAT 0 -9.212  C.844 -8 0.838 -8	10N -23.760  PHAZ INCD 19.0 68.3 18.4 68.1 18.3 68.5 19.8 68.2 19.8 68.2 19.8 68.7 19.8 68.7 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.6 19.8 68.7 19.8 68.6 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7 19.8 68.7	PHAZ EMIS 39,7 32.4 40.8 31.0 38.6 33.1 38.5 33.5 40.7 31.8 40.8 31.0 39.7 32.4 40.8 31.0 38.6 33.1 38.6 33.3 40.7 31.8 40.8 31.0 96	V 2480  ALPHA 27.5  26.3  28.9  28.7  26.3  POD :  ALPHA 26.3  POD :  V 2481  ALPHA 27.5  26.3  POD :  V 2481  ALPHA 27.5  26.3  POD :  V 2481  ALPHA 27.5  V 26.3	PTH -66.230 11:  SCALE 0. 7.01428 11.99142 6.31933 12.14022 5.95291 SEQUENCE NO  PTH -66.200 11: SCALE 0. 6.90420 6.90420 11.90355 6.22028 11.94984 5.85975 SEQUENCE NO  PTH -66.170 11: SCALE 0. 6.79410 11.61556	AZ 5-322 PT-PT 1-2 2-3 3-4-5 5-6-7 857 AZ 2-3 3-4-5 6-7 859 AZ 5-306 PT-PT 1-2 2-3 3-4-5 5-6-7 859

		.RA	-VII_C	AMERA.	<b>P1</b>			_				17 .
			TA	B NO	97	ATLAS	в <b>РНОТО</b>	NO	97	POD :	SEQUENCE NO	861 -
_JULY 31,1964, 13_HR_24	4 MIN 9 SEC 298 M	2					-					
TRAJECTORY DATA		SEC	TO IN	PACT	ALT	_ LAT	_ LO	N	. R	ν.	-66.141 11	AZ
			99.50	1	230.07254	-9.23	3 -23.	625	1965.	528 2.485	-66.141 11	5.299
PHOTO DATA PT LAT LON 2 -11.258 -19.929 20 3 -11.178 -20.139 20 4 -11.151 -19.755 20	RANGE AZS/C	AZN AZ	SUN	AZA	A+	B/A A	ZPHAZ	INCD	PHAZ EM	IS ALPHA	SCALE	PT-PT
2 -11.258 -19.929 20	66.3290754.1_ 1	1.1 -8	1.0 3	5.9	2.55960	0.844	-89.0	68.3	39.7 32	.4 27.5	0.	1- 2
3 -11.178 -20.139 20	62.85140 -53.7 1	0.7 -8	0.7 3	6.0	2.52559	0.858	-88.4	68.1	40.8 31	.0 26.2	6.68389	2- 3
5 -11.346 -19.712 2	67.99804 <u>5</u> 6. <u>2</u> . 1 70.1204354.4. 1	1-5 -8	1.2	15 • 4 15 - 8	2.50542	0.831	-89-8	68.5	38.5 33	-9 28-7	11.42741 6.02216	4- 5
6 -11.362 -20.101 20 7 -11.178 -20.139 20	64.81265 -51.9 1	0.8 -8	1.3	6.4	2.54434	0.850	-89.8	68.1	40.7 31	8 26.1	11.56868 5.67325	5-6
7 -11.178 -20.139 2	62.85140 -53.7 1	0.7 -8	0.7	36.0	2.52559	0.858	-88.4	68.1	40.8 31	.0 26.2	5.67325	6- 7
			TA	B NO	98	ATLA:	<b>РНОТО</b>	NO	98	POD	SEQUENCE NO	863
JULY 31,1964 13 HR 24	4 MIN 10 SEC 978 M	ıs			••						•	
						_			R			4.7
TRAJECTORY DATA			97.82	IPAC T	ALT	LAI	LO	N _	1961.	708 2.487	PIH -66.111 11	5.291
PHOTO DATA												
PT LAT LON 2 -11.249 -19.939 2: 3 -11.170 -20.145 2 4 -11.144 -19.767 2:	RANGE AZS/C	AZN AZ	SUN	AZA	A* 2.51763 2.48419	B/A	ZPHAZ	INCD	PHAZ EM	IS ALPHA	SCALE	PT-PT
2 -11.249 -19.939 2	61.96210 -54.1 ]	1.0 -8	1.0	15.9	2.51763	0.845	-89.0	68.3	39.7 32	.4 27.5	0. 6.57359	1-2
3 -11.170 -20.145 2	58.54281 -53.7 1	0.7 -8	0.7	36.0	2.48419	0.858	-88.4	48.4	38.6 33	0 28.B	11.23908	
5 -11 135 -19 725 2	65.68927 -54.4 1	1.4 -8	1.2	15.8	2 66304		-89.8	68.5	38.5 33	.8 28.7	5.92291	4- 5
6 -11.351 -20.108 2	60.47088 -52.0	0.8 -8	1.3	36.4	2.50262	0.050	-89.8	68.1	40.8 31	.8 26.1	11.37789	5- 6
5 -11.335 -19.725 2 6 -11.351 -20.108 2 7 -11.170 -20.145 2	58.54281 -53.7 1	0.7 -8	0.7	36.0	2.48419	0.858	-88.4	68.1		.9 26.2	5.57998	
					99	ATLAS	в РНОТО	NO	99	POD	SEQUENCE NO	865
JULY 31.1964 13 HB 2	4 MIN 12 SEC 658 P	+S	10	D .10	23							
	1.3.40										PTH	
TRAJECTORY DATA		\$ E C	10 11	PACT	ALT	LAT		N .	1057	. V	PTH -66.081 11	AZ 5 203
PHOTO DATA			96.1	41	222.43143	-9.2	() -23.	222	1931.	001 2.40	-00.001 11	7.203
	RANGE AZS/C	AZN AZ	SUN	AZA	A •	B/A	AZPHAZ	INCD	PHAZ EM	IS ALPHA	SCALE	PT-PT
2 -11.239 -19.948 2	57.59123 -54.1	1.0 -8	1.0	35.9	2.47563	0.845	-89.0	68.3	39.7 32	4 27.5	0.	1-2_
3 -11.162 -20.151 2	54.23035 -53.7	10.7 -8	0.7	36.0	2.44275	0.858	-88.4	68.1	40.8 30	.9 26.2	6.46319	
4 -11.136 -19.780 2	59.20395 -56.2	11.3 -8	0.6	35.4	2.49044	0.839	-88.3	68.4	38.6 33	0.0 20.0	11.05063	4-5
5 -11.324 -19.738 2	61.20423 -04.4 . 66 12522 -52 0 1	11.4 -8	1.3	30.0 36.4	2.46087	0.851	-89.8	68.1	40.8 31	.8 26.1	11.18696	5- 6
PT LAT LON 2 -11.239 -19.948 2 3 -11.162 -20.151 2 4 -11.136 -19.780 2 5 -11.324 -19.738 2 6 -11.339 -20.114 2 7 -11.162 -20.151 2	54.23035 -53.7	10.7 -8	0.7	36.0	2.44275	0.858	-88.4	68.1	40.8 30	.9 26.2	5.48652	6- 7
											SEQUENCE NO	067
	/ MIN 3/ CEC 330 I	40	17	B NO	100	AILA	S PHOTO	NU	100	PUD	SEQUENCE INC	, 00,
JULY 31,1964 13 HR 2	4 MIN 14 3EC 330 7	15										
TRAJECTORY DATA		SEC	TO I	MPACT	ALT	LAT	LC	ON	R	V	PTH	AZ
			94.4	6 <b>l</b>							1 -66.051 11	3.213
PHOTO DATA  PT LAT LON 2 -11-230 -19-957 2	RANGE AZSZC	AZN AZ	SUN	AZA	A* 2.43358 2.40128	B/A	AZPHAZ	INCD	PHAZ EN	IS ALPHA	SCALE	PT-PT
2 -11.230 -19.957 2	53.21616 -54.1	11.0 -8	1.0	35.9	2.43358	0.845	-89.0	68.3	39.7 32	2.4 27.4	0.	1- 2
3 -11.154 -20.157 2	49.91370 -53.7	10.6 -8	10.7	36.0	2.40128	0.858	-88.4	68.1	40.8 30	9 26.2	6.35275	2- 3
4 -11.128 -19.792 2	54.80072 -56.2	11.3 -6	0.6	35.4	2.44813	0.839	-88.3	00.7	20.0 23	20.0	10.00500	4-5
5 -11.313 -19.751 2	56.81496 -54.4	11.4 -8	11.2	36.4	2.46758 2.41907	0.851	-89.8	68.1	40.8 31	7 26.1	10.99584	
PT LAT LON 2 -11.230 -19.957 2 3 -11.154 -20.157 2 4 -11.128 -19.792 2 5 -11.313 -19.751 2 6 -11.328 -20.121 2 7 -11.154 -20.157 2	49.91370 -53.7	10.6 -8	30.7	36.0	2.40128	0.858	-88.4	68.1	40.8 30	.9 26.2		
		-							101	DAD	SEQUENCE NO	A 060
	. WIN 14 CCC 10	<b>.</b>	TA	IB NO	101	AILA	S PHOTO	NU	101	rou	SEQUENCE IN	J 603
JULY 31,1964 13 HR 2	4 MIN 10 2EC 10	m3										
TRAJECTORY DATA		SEC	: TO I	MPACT	ALT	LAT	L	ON	f	٧ ۶	PTH	AZ
			92.7		214.7818	5 -9.3	18 -23	.444	1950.	.237 2.49	3 -66.021 1	15.267
PHOTO DATA PT LAT LON	DANCE 47576	47N 47	CITA	474		B / A	A 7 D LL A 7	INCD	DHA7 FI	MIS ALPHA	SCALE	PT-PT
PHOTO DATA PT LAT LCN 2 -11.220 -19.967 2 3 -11.145 -20.163 2 4 -11.121 -19.805 2	MANUE AZS/C	11.0 -F	31.0	35.9	2.39149	0.845	-89.0	68.2	39.7 3	MIS ALPHA 2.3 27.4 0.9 26.2	0.	1- 2
3 -11.145 -20.163 2	45.59279 -53.7	10.6 -8	0.7	36.0	2.35976	0.858	-88.4	68.1	40.8 3	0.9 26.2	6.24223	2- 3
4 -11.121 -19.805 2 5 -11.302 -19.764 2	50.39315 -56.2	11.3 -8	30.6	35.4	2.40579	0.839	-88.3	68.4	38.6 3	3.0 28.8	10.67317	3- 4
5 -11.302 -19.764 2	52.37141 -54.4	11.4 -6	31.2	35.8	2.42488	0.831	-89.8	68.5	38.6 3	3.8 28.6	5.62486 10.80456	4-5
5 -11.302 -19.764 2 6 -11.317 -20.128 2 7 -11.145 -20.163 2	247.42141 -52.0	10.8 -8	31.3	36.4	2.37724	0.851	-89.8	68.1	40.8 3	3.8 28.6 1.7 26.0 0.9 26.2	5.29950	A- 7
7 -11.145 -20.163 2	(45.59219 -53.1	10.6 -	50.7	30.0	2.35916	0.000	-00.4	00.1	40.0 3	0., 20	3.67730	
			T.	AB NO	102	ATL	AS PHOTO	ON C	102	POD	SEQUENCE N	0 871
JULY 31,1964 13 HR 2	4 MIN 17 SEC 698											
TRAJECTORY DATA				MDACT	ALT	1.41		ON.		R V	PTH	AZ
INAJECTURT DATA		350	91.1	02	210.9539	6 -9.3	39 -23	.398	1946	.409 2.49	5 -65.990 1	15.259
PHOTO DATA												07-07
PT LAT LON	RANGE AZS/C	AZN A	ZSUN	AZA	A+	B/A	AZPHAZ	INC	PHAZ E	MIS ALPHA 2.3 27.4 0.9 26.2	SCALE	1- 2
_ 2 -11.211 -19.977 2	244.45344 -54.1	11.0 -	81.0	35.9	2.34936	0.845	-89.0	60.2	40.8 2	0.9 26	0. 6.13158	2- 3
2 -11.211 -19.977 2 3 -11.137 -20.169 2 4 -11.113 -19.817 2	245-98158 -56-2	11.3 -	80.6	35.4								3- 4
5 -11.291 -19.777	47.92385 -54.4	11.4 -	81.2	35.8	2.38215	0.831	-89.7	68.4	38.6 3	3.8 28.0	10.48422 5.52532 10.61312	4- 5
5 -11.291 -19.777 2 6 -11.306 -20.134 2 7 -11.137 -20.169 2	243.06339 -52.0	10.8 -	81.3	36.4	2.33537	0.851	-89.8	68.1	40.8 3	1.7 26.0	10.61312	5- 6
7 -11.137 -20.169	241.26790 -53.7	10.6 -	80.7	36.0	2.31821	0.858	-88.4	68.0	40.8 3	Q.9 Z6.	5.20575	0- 1

					RA-VI	L. CAMERA	A. P1							18_
JULY 31,196	54 13 HI	R 24 MIN 19	SEC 378	2 M S		TAB NO	103	ATLA	S PHOTO	NO	103	POD	SEQUENCE NO	873 -
INACCIONI	DATA				2EC 10		207.1238	LAT	<u>.L</u> l 61 –23.	DN	R_ 1942 - 5		PTH 7 -65.960 115	A2
ATAD DIDHS	·							. ,.,	01 -23	• 3 3 2	1742.5	19 2.49	7 -65.960 119	5.251
2 -11-201	_19.986	240 04579	AZS/C	AZN	AZSUN	AZA	A*	B/A	AZPHAZ	INCD	PHAZ EMI	S ALPHA	SCÂLE I	PT-PT
3 -11.129	-20.175	236.93872	-53.7	10.6	-80.7	36.0	2.27661	0.845	-89.0	68.2	39.7.32.	3 27.4	0.	1-2
4 -11-105	-19.830	241.56571	-56.2	11.3	-80.6	35.4	2.32097	0.839_	-88.3	68.4	38.6 33.	0 28.8	10-29510	3- 4
5 -11-280	-19.791	243.47202	-54.4	11.4	-81.2	35.8	2.33937	0.832	-89.7	68.4	38.6 33.	8 28.6	5.42577	4- 5
7 -11.129	-20.175	236 - 93872	-53.7	10.6	-81.3 -80.7	36-0	2.29346	0.851	-89.8	68-1	40.8 31.	7 26-0	10-42155	5- 6
PHOID DATA PT LAT 2 -11.201 3 -11.129 4 -11.105 5 -11.280 6 -11.294 7 -11.129						TAB NO	104	4714	-00.4	55.0	40.8 30.	9 26.2	5.11209	6- 7
JULY 31,196	4 13 HF	R 24 .MIN 21	3EC 36	5 m 5					S PHOTO				SEQUENCE NO	
TRAJECTORY					SEC TO	INDACT	A1 T	1 4 7			_		PTH 9 -65.929 115	
					87	.742	203.2915	2 -9.3	82 -23.	305	1938.7	47 2-49	PIH /	AZ
. PHOTO DATA													- 051,27 11.	-
2 -11.191 ·	-19-996	235-67389	AZS/C	AZN	AZSUN	AZA	A*	B/A - 1	AZPHAZ	INCD	PHAZ EMI	S-ALPHA	SCALE	PT-PT
3 -11.121	-20.181	232.60531	-53.7	10.6	-80.7	22.9 <u></u>	2 23407	0.845	-89 <u>.0</u>	68.2	39.7 32.	3 _27.4		1- 2
4 -11.097	-19.842	237.14558	-56.1	11.3	-80.6	35.4	2.27850	0.839	-88-3	-68-4	38.6 32	7 20.2	5.91002	2- 3
PHOTO DATA PT LAT 2 -11.191 3 -11.121 4 -11.097 5 -11.269 6 -11.283 7 -11.121	-19.804	239.01592	-54.4	11.4	-81.2	35.8	2.29656	0.832	-89.7	68.4	38.6 33.	7 28.6	5.32612	4- 5
7 -11 121	-20 <u>-148</u>	234.33455	-52.0	10.8	-81.3	36.3	2.25150	.0.851	-89.8	68.1	40.8 31.	7 26.0	10.22984	5- 6
-11.121	-20.101	232.60531	-53.7	10.6	-80.7	36.0	2.23497	0.858	-88.4	68.0	40.8 30.	9 26.2	5.01813	6- 7
						TAB NO	105	ATLA	S PHOTO	NO	105	POD	SEQUENCE NO	877 -
JULY 31.196													-	
TRAJECTORY	DATA				SEC TO	IMPACT	ALT.	LAI		3N	R_		PTH A	1Z
. PHOTO DATA					86	.062	199.4572	4 -9.4	04 -23.	259	1934.9	13 2.50	l -65.899 115	.235
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A	B/A	A7PHA7	INCD	DHA7 EMI	SAIDHA	SCALE F	T - OT
<u>2 -11-182</u>	-20.006	231.27791	-54.1	11.0	-81.0	35.9	2.22274	0.845	-89.0	68.2	39.7 32.	27.4	O.	1- 2
3 -11-112 -	-20-188	228.26788	-53.7	10.6	-80.7	36.0	2.19330	0.858	-88.4	68.0	40.8 30.	9 26.2	5.79910	2- 3
5 -11-258	~19.000	234 55577	-56.1	11.3	-80-6	35.5	2.23600	0.839	-88.3	68.3	38.6 32.	28.8	9.91643	3- 4
6 -11.272	-20.155	229.96399	-52.0	10.8	-81.3	36.3	2.25370	0.832	-89.7	68.4	38.6 33.	7 28.6	5.22627	4-5
PHOTO DATA PT LAT 2 -11-182 3 -11-112 4 -11-089 5 -11-278 6 -11-272 7 -11-112	-20.188	228.26788	-53.7	10.6	-80.7	36.0	2.19330	0.858	-88.4	68.0	40.8 30.	26.2	4.92426	5- <u>6</u>
						TAR NO	106	ATLA	C DUATA	NO		200		
JULY 31,196						EAR NO	106	ATIA	e buata	NO	106	D0.0	CECHENIOE NO	879 -
JULY 31,196	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO	IMPACT	106	LAT	S PHOTO	NO 	R	POD	SEQUENCE NO	879
TRAJECTORY	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO	IMPACT	106	LAT	S PHOTO	NO 	R	POD	SEQUENCE NO	879
TRAJECTORY	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO	IMPACT	106	LAT	S PHOTO	NO 	R	POD	SEQUENCE NO	879
TRAJECTORY	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO	IMPACT	106	LAT	S PHOTO	NO 	R	POD	SEQUENCE NO	879
TRAJECTORY	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO	IMPACT	106	LAT	S PHOTO	NO 	R	POD	SEQUENCE NO	879
TRAJECTORY	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO	IMPACT	106	LAT	S PHOTO	NO 	R	POD	SEQUENCE NO	879
TRAJECTORY	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO	IMPACT	106	LAT	S PHOTO	NO 	R	POD	SEQUENCE NO	879
TRAJECTORY	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO	IMPACT	106	LAT	S PHOTO	NO 	R	POD	SEQUENCE NO	879
TRAJECTORY	4 13 HR	24 MIN 24	SEC 417	MS	SEC TO 84. AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	AZA 35.9 36.0 35.5 35.8 36.3	ALT 195.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	B/A 0.845 0.859 0.840 0.832 0.851 0.859	26 -23- AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4	NO 212 INCD 68-2 68-0 68-3 68-4 68-1 68-0	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 31. 40.8 30.	POD  V 76 2.503 S ALPHA 3 27.4 26.2 9 28.7 7 28.6 7 26.0 9 26.2	PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029	879 5.227 71-PT 1- 2 2- 3 3- 4 4- 5 5- 6
	LON -20,016 -20.194 -19.868 -19.863 -20.162 -20.194	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.4 -52.0 -53.7	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84. AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT .382 AZA .35.9 .36.0 .35.5 .35.8 .36.3 .36.0 TAB NO	ALT 195.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 ~9.4;  8/A 0.845 0.859 0.840 0.832 0.851 0.859 ATLA:	LC 26 -23. AZPHAZ -89.0 -88.4 -89.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68-2 68-0 68-3 68-4 68-1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30.	POD  V 76 2.503 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	PIH A 3 -65.868 115  SCALE P 0 . 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879
TRAJECTORY  PHOTO DATA  PT LAT  2 -11.172 -3 -11.104 -5 -11.260 -7 -11.104 -7	LON +20,016 -20,194 -19,868 -19,831 -20,162 -20,194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.4 -52.0 -53.7	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84. AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT .382 AZA .35.9 .36.0 .35.5 .35.8 .36.3 .36.0 TAB NO	ALT 195.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 ~9.4;  8/A 0.845 0.859 0.840 0.832 0.851 0.859 ATLA:	LC 26 -23. AZPHAZ -89.0 -88.4 -89.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68-2 68-0 68-3 68-4 68-1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30.	POD  V 76 2.503 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	PIH A 3 -65.868 115  SCALE P 0 . 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 -3 -11.104 -5 -11.247 -6 -11.260 -7 -11.104  JULY 31.1964  TRAJECTORY	LON -20,016 -20,016 -19.868 -19.831 -20.162 -20.194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT 35.9 36.0 35.5 35.8 36.3 36.0 TAB NO	ALT 175.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 79.4:  8/A / 0.845_ 0.859 0.840_ 0.832 0.851 0.859 ATLA:	ZPHAZ -89.0 -88.3 -89.7 -89.8 -88.3	NO 212 1NCD 68.2 68.0 68.3 68.4 68.1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30. 107	POD  Y 76 2.503 S ALPHA 3 27.4 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	SEQUENCE NO  PIH A 3 -65-868 115  SCALE F 0. 68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879 3.2 5.227 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 881
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 -3 -11.104 -5 -11.247 -6 -11.260 -7 -11.104  JULY 31.1964  TRAJECTORY	LON -20,016 -20,016 -19.868 -19.831 -20.162 -20.194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT 35.9 36.0 35.5 35.8 36.3 36.0 TAB NO	ALT 175.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 79.4:  8/A / 0.845_ 0.859 0.840_ 0.832 0.851 0.859 ATLA:	ZPHAZ -89.0 -88.3 -89.7 -89.8 -88.3	NO 212 1NCD 68.2 68.0 68.3 68.4 68.1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30. 107	POD  Y 76 2.503 S ALPHA 3 27.4 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	SEQUENCE NO  PIH A 3 -65-868 115  SCALE F 0. 68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879 3.2 5.227 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 881
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 -3 -11.104 -5 -11.247 -6 -11.260 -7 -11.104  JULY 31.1964  TRAJECTORY	LON -20,016 -20,016 -19.868 -19.831 -20.162 -20.194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT 35.9 36.0 35.5 35.8 36.3 36.0 TAB NO	ALT 175.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 79.4:  8/A / 0.845_ 0.859 0.840_ 0.832 0.851 0.859 ATLA:	ZPHAZ -89.0 -88.3 -89.7 -89.8 -88.3	NO 212 1NCD 68.2 68.0 68.3 68.4 68.1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30. 107	POD  Y 76 2.503 S ALPHA 3 27.4 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	SEQUENCE NO  PIH A 3 -65-868 115  SCALE F 0. 68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879 3.2 5.227 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 881
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 -3 -11.104 -5 -11.247 -6 -11.260 -7 -11.104  JULY 31.1964  TRAJECTORY	LON -20,016 -20,016 -19.868 -19.831 -20.162 -20.194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT 35.9 36.0 35.5 35.8 36.3 36.0 TAB NO	ALT 175.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 79.4:  8/A / 0.845_ 0.859 0.840_ 0.832 0.851 0.859 ATLA:	ZPHAZ -89.0 -88.3 -89.7 -89.8 -88.3	NO 212 1NCD 68.2 68.0 68.3 68.4 68.1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30. 107	POD  Y 76 2.503 S ALPHA 3 27.4 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	SEQUENCE NO  PIH A 3 -65-868 115  SCALE F 0. 68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879 3.2 5.227 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 881
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 -3 -11.104 -5 -11.247 -6 -11.260 -7 -11.104  JULY 31.1964  TRAJECTORY	LON -20,016 -20,016 -19.868 -19.831 -20.162 -20.194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT 35.9 36.0 35.5 35.8 36.3 36.0 TAB NO	ALT 175.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 79.4:  8/A / 0.845_ 0.859 0.840_ 0.832 0.851 0.859 ATLA:	ZPHAZ -89.0 -88.3 -89.7 -89.8 -88.3	NO 212 1NCD 68.2 68.0 68.3 68.4 68.1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30. 107	POD  Y 76 2.503 S ALPHA 3 27.4 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	SEQUENCE NO  PIH A 3 -65-868 115  SCALE F 0. 68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879 3.2 5.227 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 881
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 -3 -11.104 -5 -11.247 -6 -11.260 -7 -11.104  JULY 31.1964  TRAJECTORY	LON -20,016 -20,016 -19.868 -19.831 -20.162 -20.194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT 35.9 36.0 35.5 35.8 36.3 36.0 TAB NO	ALT 175.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 79.4:  8/A / 0.845_ 0.859 0.840_ 0.832 0.851 0.859 ATLA:	ZPHAZ -89.0 -88.3 -89.7 -89.8 -88.3	NO 212 1NCD 68.2 68.0 68.3 68.4 68.1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30. 107	POD  Y 76 2.503 S ALPHA 3 27.4 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	SEQUENCE NO  PIH A 3 -65-868 115  SCALE F 0. 68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879 3.2 5.227 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 881
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 -3 -11.104 -5 -11.247 -6 -11.260 -7 -11.104  JULY 31.1964  TRAJECTORY	LON -20,016 -20,016 -19.868 -19.831 -20.162 -20.194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	IMPACT 35.9 36.0 35.5 35.8 36.3 36.0 TAB NO	ALT 175.6206 A* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158	ATLA:  5 79.4:  8/A / 0.845_ 0.859 0.840_ 0.832 0.851 0.859 ATLA:	ZPHAZ -89.0 -88.3 -89.7 -89.8 -88.3	NO 212 1NCD 68.2 68.0 68.3 68.4 68.1	R 1931.0 PHAZ EMI 39.7 32. 40.8 30. 38.6 32. 38.6 33. 40.8 30. 107	POD  Y 76 2.503 S ALPHA 3 27.4 26.2 9 28.7 7 28.6 7 26.0 9 26.2 POD	SEQUENCE NO  PIH A 3 -65-868 115  SCALE F 0. 68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879 3.2 5.227 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 881
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 -3 -11.104 -5 -11.247 -6 -11.260 -7 -11.104  JULY 31.1964  TRAJECTORY	LON -20,016 -20,016 -19.868 -19.831 -20.162 -20.194 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97	AZN 11.0 10.6 11.2 11.4 10.8	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	AZA 35.9 36.0 35.5 35.8 36.0 TAB NO  IMPACT 702  AZA 35.9 36.0 35.5 35.8 36.0	ALT 175-6206 A* 2-18045 2-15158 2-19345 2-21080 2-16747 2-15158 107 ALT 191-78181 2-13811 2-10982 2-15085 2-16786 2-12540 2-12	ATLA:	26 -23.  AZPHAZ -89.0 -88.4 -89.8 -89.0 -89.8 -4  S PHOTO  LC.  AZPHAZ -89.0 -88.4 -89.0 -88.4 -89.0 -88.4 -89.0 -88.4 -89.0 -88.4 -89.8 -9.8 -	NO 212 INCD 68-23 68-44 68-11 INCD NO N	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.4 107 PHAZ EMI 39.7 32.4 40.8 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4	POD  Y 76 2.500 S ALPHA 3 27.4 2 26.2 9 28.7 7 28.6 9 26.2 POD  V 37 2.500 S ALPHA 6 27.4 9 26.2 9 28.7 7 28.6 0 26.2 0 26.2 0 26.2 0 26.2	SEQUENCE NO  PIH A 3 -65-868 115  SCALE P 0. 5-88816 9-72687 5-12643 9-84595 4-83029  SEQUENCE NO  PTH A 5-65-837 115  SCALE P 0. 5-57711 9-53716 5-02657 9-65376 4-73622	879  12
TRAJECTORY  PHOTO DATA PT LAT 2 -11.172 3 -11.104 5 -11.260 7 -11.104  JULY 31.1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.162 3 -11.096 4 -11.073 5 -11.245 7 -11.096 7 -11.096	LON -20,016 -20,194 -19.881 -20,162 -20.194 -19.881 -20,162 -20.25 -20.200 -19.884 -20,169 -20,200	RANGE 223-92606 228-29287 230-99124 225-58902 223-92606 24 MIN 26 RANGE 222-47285 219-57984 223-82991 221-20967 219-57984	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7	AZN 11.0 10.6 11.2 11.4 10.8 10.6 11.2 11.4 10.6 11.2 11.4 10.6 11.2 11.4 10.6 10.6	SEC TO 84.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	AZA 35.9 36.0 35.5 35.8 36.0 TAB NO  IMPACT 702  AZA 35.9 36.0 35.5 35.8 36.0	ALT 175-6206 A* 2-18045 2-15158 2-19345 2-21080 2-16747 2-15158 107 ALT 191-78181 2-13811 2-10982 2-15085 2-16786 2-12540 2-12	ATLA:	26 -23.  AZPHAZ -89.0 -88.4 -89.8 -89.0 -89.8 -4  S PHOTO  LC.  AZPHAZ -89.0 -88.4 -89.0 -88.4 -89.0 -88.4 -89.0 -88.4 -89.0 -88.4 -89.8 -9.8 -	NO 212 INCD 68-23 68-44 68-11 INCD NO N	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.4 107 PHAZ EMI 39.7 32.4 40.8 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4	POD  Y 76 2.500 S ALPHA 3 27.4 2 26.2 9 28.7 7 28.6 9 26.2 POD  V 37 2.500 S ALPHA 6 27.4 9 26.2 9 28.7 7 28.6 0 26.2 0 26.2 0 26.2 0 26.2	SEQUENCE NO  PIH A 3 -65-868 115  SCALE F 0. 68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO	879  12
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 3 -11.104 5 -11.247 6 -11.260 7 -11.104  TRAJECTORY  PHOTO DATA PT LAT 2 -11.162 3 -11.073 5 -11.235 6 -11.249 7 -11.096  JULY 31,1964	LON -20.164 -20.194 -20.194 -20.194 -20.194 -20.194 -20.194 -4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.47285 219.57984 223.85990 225.62231 221.20967 219.57984	AZS/C -54.1 -53.7 -56.1 -54.4 -52.0 -53.7 SEC 97 AZS/C -54.1 -53.7 -56.1 -53.7 -54.4 -52.0 -53.7	AZN 11.0 10.6 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT 702  AZA 35.9 36.0 35.5 36.0 35.8 36.0 TAB NO	ALT 175.6206 A.* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  LAT. 5 -9.42  0.849 0.859  ATLA:  0 -9.44  B/A / 0.859  ATLA:  0 -9.44  B/A / 0.859  ATLA:  0.840 0.851 0.859  ATLA:	LC26 -23- AZPHAZ -89-0 -88-4 -88-3 -89-8 -89-8 -89-0 -89-8 -	NO 212 1NCD 68.2 68.3 68.4 68.0 NO 165 1NCD 68.2 68.0 68.3 68.4 68.0 NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 40.8 40.8 40.8 40.8 40.8 40.8 40.8 4	POD  Y 76 2.500 S ALPHA 3 27.4 9 28.7 7 28.6 7 28.6 9 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 28.6 7 28.6 9 26.2 9 POD	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5 -65.837 115  SCALE P 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4. 5  5. 6  7  881  1. 2  2. 218  1. PT  1. 2  2. 3  3. 4  4. 5  6. 7  883
TRAJECTORY  PHOTO DAIA PT LAT 2 -11-172 3 -11-104 5 -11-247 6 -11-260 7 -11-104  JULY 31-1964  TRAJECTORY PHOTO DATA PT LAT 2 -11-162 3 -11-096 4 -11-073 5 -11-235 6 -11-249 7 -11-096  JULY 31,1964  TRAJECTORY	4 13 HR  LON -20,016 -20,194 -19.868 -19.881 -20.162 -20.194 4 13 HR  DATA  LON -20.025 -20.200 -19.884 -20.169 -20.200 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.77285 219.57984 223.85990 219.57984 24 MIN 27	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7 -54:4 -52:0 -53:7 SEC 777	AZN 11.00 10.66 11.22 11.44 10.8 11.0 11.0 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT	ALT 175.6206 A.* 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  -9.42  -9.44  -9.44  -9.44  -9.44  B/A / -9.44	S PHOTO  LC 26 - 23.  AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4 S PHOTO  LC 47 - 23.  AZPHAZ -89.0 -88.4 -88.3 -69.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68.0 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO NO NO NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	POD  Y 76 2.500 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5-65.837 115  SCALE F 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4 5 5  6 7  881  1. 2 18  1. 2 18  1. 2 18  1. 2 18  1. 3 4  1. 5 5  6 7  883
TRAJECTORY  PHOTO DAIA PT LAT 2 -11-172 3 -11-104 5 -11-247 6 -11-260 7 -11-104  JULY 31-1964  TRAJECTORY PHOTO DATA PT LAT 2 -11-162 3 -11-096 4 -11-073 5 -11-235 6 -11-249 7 -11-096  JULY 31,1964  TRAJECTORY	4 13 HR  LON -20,016 -20,194 -19.868 -19.881 -20.162 -20.194 4 13 HR  DATA  LON -20.025 -20.200 -19.884 -20.169 -20.200 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.77285 219.57984 223.85990 219.57984 24 MIN 27	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7 -54:4 -52:0 -53:7 SEC 777	AZN 11.00 10.66 11.22 11.44 10.8 11.0 11.0 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT	ALT 175.6206 A+ 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  -9.42  -9.44  -9.44  -9.44  -9.44  B/A / -9.44	S PHOTO  LC 26 - 23.  AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4 S PHOTO  LC 47 - 23.  AZPHAZ -89.0 -88.4 -88.3 -69.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68.0 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO NO NO NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	POD  Y 76 2.500 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5-65.837 115  SCALE F 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4 5 5  6 7  881  1. 2 18  1. 2 18  1. 2 18  1. 2 18  1. 3 4  1. 5 5  6 7  883
TRAJECTORY  PHOTO DAIA PT LAT 2 -11-172 3 -11-104 5 -11-247 6 -11-260 7 -11-104  JULY 31-1964  TRAJECTORY PHOTO DATA PT LAT 2 -11-162 3 -11-096 4 -11-073 5 -11-235 6 -11-249 7 -11-096  JULY 31,1964  TRAJECTORY	4 13 HR  LON -20,016 -20,194 -19.868 -19.881 -20.162 -20.194 4 13 HR  DATA  LON -20.025 -20.200 -19.884 -20.169 -20.200 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.77285 219.57984 223.85990 219.57984 24 MIN 27	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7 -54:4 -52:0 -53:7 SEC 777	AZN 11.00 10.66 11.22 11.44 10.8 11.0 11.0 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT	ALT 175.6206 A+ 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  -9.42  -9.44  -9.44  -9.44  -9.44  B/A / -9.44	S PHOTO  LC 26 - 23.  AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4 S PHOTO  LC 47 - 23.  AZPHAZ -89.0 -88.4 -88.3 -69.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68.0 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO NO NO NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	POD  Y 76 2.500 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5-65.837 115  SCALE F 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4 5 5  6 7  881  1. 2 18  1. 2 18  1. 2 18  1. 2 18  1. 3 4  1. 5 5  6 7  883
TRAJECTORY  PHOTO DAIA PT LAT 2 -11-172 3 -11-104 5 -11-247 6 -11-260 7 -11-104  JULY 31-1964  TRAJECTORY PHOTO DATA PT LAT 2 -11-162 3 -11-096 4 -11-073 5 -11-235 6 -11-249 7 -11-096  JULY 31,1964  TRAJECTORY	4 13 HR  LON -20,016 -20,194 -19.868 -19.881 -20.162 -20.194 4 13 HR  DATA  LON -20.025 -20.200 -19.884 -20.169 -20.200 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.77285 219.57984 223.85990 219.57984 24 MIN 27	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7 -54:4 -52:0 -53:7 SEC 777	AZN 11.00 10.66 11.22 11.44 10.8 11.0 11.0 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT	ALT 175.6206 A+ 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  -9.42  -9.44  -9.44  -9.44  -9.44  B/A / -9.44	S PHOTO  LC 26 - 23.  AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4 S PHOTO  LC 47 - 23.  AZPHAZ -89.0 -88.4 -88.3 -69.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68.0 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO NO NO NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	POD  Y 76 2.500 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5-65.837 115  SCALE F 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4 5 5  6 7  881  1. 2 18  1. 2 18  1. 2 18  1. 2 18  1. 3 4  1. 5 5  6 7  883
TRAJECTORY  PHOTO DAIA PT LAT 2 -11-172 3 -11-104 5 -11-247 6 -11-260 7 -11-104  JULY 31-1964  TRAJECTORY PHOTO DATA PT LAT 2 -11-162 3 -11-096 4 -11-073 5 -11-235 6 -11-249 7 -11-096  JULY 31,1964  TRAJECTORY	4 13 HR  LON -20,016 -20,194 -19.868 -19.881 -20.162 -20.194 4 13 HR  DATA  LON -20.025 -20.200 -19.884 -20.169 -20.200 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.77285 219.57984 223.85990 219.57984 24 MIN 27	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7 -54:4 -52:0 -53:7 SEC 777	AZN 11.00 10.66 11.22 11.44 10.8 11.0 11.0 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT	ALT 175.6206 A+ 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  -9.42  -9.44  -9.44  -9.44  -9.44  B/A / -9.44	S PHOTO  LC 26 - 23.  AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4 S PHOTO  LC 47 - 23.  AZPHAZ -89.0 -88.4 -88.3 -69.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68.0 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO NO NO NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	POD  Y 76 2.500 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5-65.837 115  SCALE F 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4 5 5  6 7  881  1. 2 18  1. 2 18  1. 2 18  1. 2 18  1. 3 4  1. 5 5  6 7  883
TRAJECTORY  PHOTO DAIA PT LAT 2 -11-172 3 -11-104 5 -11-247 6 -11-260 7 -11-104  JULY 31-1964  TRAJECTORY PHOTO DATA PT LAT 2 -11-162 3 -11-096 4 -11-073 5 -11-235 6 -11-249 7 -11-096  JULY 31,1964  TRAJECTORY	4 13 HR  LON -20,016 -20,194 -19.868 -19.881 -20.162 -20.194 4 13 HR  DATA  LON -20.025 -20.200 -19.884 -20.169 -20.200 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.77285 219.57984 223.85990 219.57984 24 MIN 27	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7 -54:4 -52:0 -53:7 SEC 777	AZN 11.00 10.66 11.22 11.44 10.8 11.0 11.0 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT	ALT 175.6206 A+ 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  -9.42  -9.44  -9.44  -9.44  -9.44  B/A / -9.44	S PHOTO  LC 26 - 23.  AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4 S PHOTO  LC 47 - 23.  AZPHAZ -89.0 -88.4 -88.3 -69.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68.0 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO NO NO NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	POD  Y 76 2.500 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5-65.837 115  SCALE F 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4 5 5  6 7  881  1. 2 18  1. 2 18  1. 2 18  1. 2 18  1. 3 4  1. 5 5  6 7  883
TRAJECTORY  PHOTO DAIA PT LAT 2 -11-172 3 -11-104 5 -11-247 6 -11-260 7 -11-104  JULY 31-1964  TRAJECTORY PHOTO DATA PT LAT 2 -11-162 3 -11-096 4 -11-073 5 -11-235 6 -11-249 7 -11-096  JULY 31,1964  TRAJECTORY	4 13 HR  LON -20,016 -20,194 -19.868 -19.881 -20.162 -20.194 4 13 HR  DATA  LON -20.025 -20.200 -19.884 -20.169 -20.200 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.77285 219.57984 223.85990 219.57984 24 MIN 27	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7 -54:4 -52:0 -53:7 SEC 777	AZN 11.00 10.66 11.22 11.44 10.8 11.0 11.0 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT	ALT 175.6206 A+ 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  -9.42  -9.44  -9.44  -9.44  -9.44  B/A / -9.44	S PHOTO  LC 26 - 23.  AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4 S PHOTO  LC 47 - 23.  AZPHAZ -89.0 -88.4 -88.3 -69.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68.0 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO NO NO NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	POD  Y 76 2.500 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5-65.837 115  SCALE F 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4 5 5  6 7  881  1. 2 18  1. 2 18  1. 2 18  1. 2 18  1. 3 4  1. 5 5  6 7  883
TRAJECTORY  PHOTO DAIA PT LAT 2 -11.172 3 -11.104 5 -11.247 6 -11.260 7 -11.104  TRAJECTORY  PHOTO DATA PT LAT 2 -11.162 3 -11.073 5 -11.235 6 -11.249 7 -11.096  JULY 31,1964	4 13 HR  LON -20,016 -20,194 -19.868 -19.881 -20.162 -20.194 4 13 HR  DATA  LON -20.025 -20.200 -19.884 -20.169 -20.200 4 13 HR	RANGE 226.87758 223.92606 228.29287 230.09124 225.58902 223.92606  24 MIN 26  RANGE 222.77285 219.57984 223.85990 219.57984 24 MIN 27	AZS/C -54:1 -53:7 -56:1 -54:4 -52:0 -53:7 SEC 97 AZS/C -54:1 -53:7 -56:1 -53:7 -54:4 -52:0 -53:7 SEC 777	AZN 11.00 10.66 11.22 11.44 10.8 11.0 11.0 11.2 11.4 10.8 10.6 MS	SEC TO 84.  AZ SUN -81.081.080.681.281.380.7  SEC TO 82.  AZ SUN -81.080.7 -80.7 -80.7	AZA 35.9 36.0 35.5 36.0 35.5 36.0 TAB NO  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT  IMPACT	ALT 175.6206 A+ 2.18045 2.15158 2.19345 2.21080 2.16747 2.15158 107 ALT 191.78186 2.13811 2.10982 2.15085 2.15085 2.15982	ATLA:  -9.42  -9.44  -9.44  -9.44  -9.44  B/A / -9.44	S PHOTO  LC 26 - 23.  AZPHAZ -89.0 -88.4 -88.3 -89.7 -89.8 -88.4 S PHOTO  LC 47 - 23.  AZPHAZ -89.0 -88.4 -88.3 -69.7 -89.8 -88.4 S PHOTO	NO 212 INCD 68.0 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO INCD 68.3 68.4 168.0 NO NO NO NO	R 1931.0 PHAZ EMI 39.7 32.4 40.8 30.4 38.6 32.4 40.8 30.1 107 R 1927.2 PHAZ EMI 39.7 32.4 40.8 30.4 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	POD  Y 76 2.500 S ALPHA 3 27.4 9 26.2 9 28.7 7 28.6 7 26.2 POD  W 87 2.500 S ALPHA 8 27.4 9 26.2 9 28.7 7 28.6 7 26.0 9 26.2	SEQUENCE NO  PIH A 3 -65.868 115  SCALE F 0. 5.68816 9.72687 5.12643 9.84595 4.83029  SEQUENCE NO  PTH A 5-65.837 115  SCALE F 0. 5.57711 9.53716 5.02657 4.73622  SEQUENCE NO	879  1. 227  1. 227  1. 2 3 4  4 5 5  6 7  881  1. 2 18  1. 2 18  1. 2 18  1. 2 18  1. 3 4  1. 4 5  6 7  883

			RA-VII CAM	RA P1.		_ 19 _
			TAD 1	0 109	ATLAS PHOTO NO 1	09 POD SEQUENCE NO 885
JULY 31,1964 13 HR	24 MIN 29 SEC 457	MS	INDI	0 103	KILAS FIIOTO NO 1	03 105 02402.102 115 000
TRAJECTORY DATA			SEC TO IMPA 79.342	T ALT 184-09781	LAT LCN -9.491 -23.071	R V PTH AZ 1919.553 2.509 -65.775 115.202
PHOTO DATA	DANCE ATS/C	A 7 N	AZ SUN AZ	Δ.	B/A AZPHAZ INCD P	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.143 -20.045	213.64964 -54.1	11.0	-81.0 35.	2.05332	0.846 -89.0 68.2 3	39.7 32.2 27.3 0. 1- 2
3 -11.079 -20.213	210.87386 -53.8	10.6	-80.7 36.	2.02617		0.8 30.8 26.2 5.35467 2- 3 38.6 32.9 28.7 9.15716 3- 4
	214.98023 -56.1	11.2	-80.6 35. -81.2 35.		0.840 -88.3 68.3 3 0.833 -89.7 68.3 3	
5 -11.213 -19.872 6 -11.226 -20.183	216.67067 -54.4	10.8	-81.3 36.	3 2.04111	0.852 -89.8 68.0 4	0.8 31.6 26.0 9.26888 5-6
	210.87386 -53.8	10.6	-80.7 36.	2.02617	0.859 -88.4 68.0 4	0.8 30.8 26.2 4.54796 6- 7
			TAR	10 110	ATLAS PHOTO NO 1	10 POD SEQUENCE NO 887
JULY 31-1964 13 HR						
TRAJECTORY DATA			SEC TO 1MPA 77.662	180.2525e	LAT LON -9.513 -23.023	R V PIH A7 1915.708 2.511 -65.744 115.193
PHOTO DATA						PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LON	RANGE AZS/C	AZN	AZ SUN AZ -81.0 35.		8/A AZPHAZ INCD I 0.846 -89.0 68.2	
2 -11.133 -20.056 3 -11.070 -20.220	209.22931 -54.1	11.0	-81.0 35. -80.7 36.	0 1.98426	0.859 -88.4 68.0	
4 -11.049 -19.919.	200.51227 -55.0 210 53158 -56.1	11.2	-80.6 _ 35.	5 2.02280	0.840 -88.3 68.3	38.4 32.9 28.7 8.96676 3-4
5 -11.202 -19.885	212.18595 -54.4	11.4	-81.2 35.	8 2.03876	0.833 -89.7 68.3	38.6 33.6 28.5 4.72609 4- 5
6 -11.214 -20.191	208.04256 -52.0	10.8	-81.3 36.	3 1.99889	0.852 -89.8 68.0	
7 -11.070 -20.220	206.51227 -53.8	10.6	-80.7 36.	0 1.98426	0.859 -88.4 68.0	40.8 30.8 26.2 4.45347 6- 7
			TAB	NO 111	ATLAS PHOTO NO 1	111 POD SEQUENCE NO 889
JULY 31:1964 13 HR.	24. MIN 32 SEC 817	MS				
TRAJECTORY DATA			SEC TO IMPA 75.982	CT ALT 176.4051	LAT LON 2 -9.535 -22.976	R V PTH AZ 1911.860 2.513 -65.713 115.185
PHOTO DATA	RANGE AZS/C	4 7 60	AZSUN AZ	A A.	B/A AZPHAZ INCD	PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LON 2 -11.123 -20.066				9 1,96831	0.846 -89.0 68.1	39.7 32.2 27.3 0. 1-2
3 -11.062 -20.227	202.14648 -53.8	10.6	-80.7 36	0 1.94231	0.859 -88.4 68.0	40.8 30.8 26.1 5.13165 2- 3
4 -11.041 -19.932	200.01811 -2011	11.2	-80.7 36. -80.6 35.	5 1.98001	0.840 -88.3 68.3	38.6 32.8 28.7 8.77622 3- 4
5 -11.190 -19.899	207.69702 -54.4	11.4	-81.2 35.	8 1.99563	0.833 -89.7 68.3	
6 -11.203 -20.198	203.64353 -52.0	10.7	-81.3 36. -80.7 36.	3 1.95662		40.8 31.6 26.0 8.88301 5- 6 40.8 30.8 26.1 4.35908 6- 7
7 -11.062 -20.227	202.14648 -53.8	10.6				
			TAR	NO 112	ATLAS PHOTO NO	112 POD SEQUENCE NO 891
JULY 31,1964 13 HR	24 MIN 34 SEC 497	7 MS	17.0		7.12.10 T. 1.10 T. 1.10	
	24 MIN 34 SEC 497	r MS	SEC TO IMP	CT ALT	LAT LON	R V PTH AZ
TRAJECTORY DATA				CT ALT 172.5555	LAT LON 9 -9.558 -22.928	R V PTH AZ 1908.011 2.515 -65.681 115.176
TRAJECTORY DATA			SEC TO 1MP/ 74.303	CT ALT 172.5555	LAT LON 9 -9.558 -22.928	R V PTH AZ 1908-011 2-515 -65-681 115-176
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.113 -20.076	RANGE AZS/C 200.37610 -54.1		SEC TO 1MP/ 74.303	CT ALT 172.5555	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCO 0.846 -89.0 68.1	R V PTH AZ 1908.011 2.515 -65.681 115.176 PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8	AZN 11.0 10.6	SEC TO 1MP/ 74.303 AZSUN A: -81.0 35 -80.7 36	CT ALT 172.5555 A A+ 9 1.92575 0 1.90032	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCD 0.846 -89.0 68.1 0.859 -88.4 68.0	R V PTH AZ 1908.011 2.515 -65.681 115.176 PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -56.1	AZN 11.0 10.6 11.2	SEC TO 1MP/ 74.303 AZSUN A: -81.0 35 -80.7 36 -80.6 35	CT ALT 172.5555 A A+ 9 1.92575 0 1.90032 5 1.93719	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.840 -88.3 68.3	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.56556 3-4
TRAJECTORY DATA  PHOTO DATA PT LAY 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -56.1 203.20404 -54.4	AZN 11.0 10.6 11.2	SEC TO 1MP7 74.303 AZ SUN AZ -81.0 35 -80.7 35 -80.6 35 -81.2 35	CT ALT 172.5555 A A+ 9 1.92575 0 1.90032 5 1.93719 8 1.95246	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCD 0.846 -89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3	R V PTH AZ 1908.011 2.515 -65.681 115.176 PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206	RANGE AZS/C 200,37610 -54.1 197,77661 -53.8 201,62179 -56.1 203,20404 -54.4 199,24042 -52.0	AZN 11.0 10.6 11.2 11.4	SEC TO 1MP/ 74.303 AZSUN A/ -81.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36	CT ALT 172-5555 A A+ 9 1.92575 0 1.90032 5 1.93719 8 1.95246 3 1.91431	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.840 -88.3 68.3 0.833 -89.7 68.3 0.852 -89.8 68.6	R V PTH AZ 1908.011 2.515 -65.681 115.176 PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -56.1 203.20404 -54.4	AZN 11.0 10.6 11.2 11.4	SEC TO 1MPP 74.303 AZ SUN A -81.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36 -80.7 36	A A A 9 1.92575 0 1.90032 5 1.93719 8 1.95246 3 1.91431 0 1.90032	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.840 -88.3 68.3 0.833 -89.7 68.3 0.852 -89.8 68.0 0.859 -88.4 68.0	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206	RANGE AZ5/C 200.37610 -54.1 197.77661 -53.8 201.62179 -56.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8	AZN 11.0 10.6 11.2 11.4 10.7	SEC TO 1MPP 74.303 AZ SUN A -81.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36 -80.7 36	CT ALT 172-5555 A A+ 9 1.92575 0 1.90032 5 1.93719 8 1.95246 3 1.91431	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.840 -88.3 68.3 0.833 -89.7 68.3 0.852 -89.8 68.6	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.56556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206 7 -11.053 -20.234	RANGE AZ5/C 200.37610 -54.1 197.77661 -53.8 201.62179 -56.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8	AZN 11.0 10.6 11.2 11.4 10.7	SEC TO 1MP/ 74.303 AZSUN A e81.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36 -80.7 36 TAB	CT ALT 172.5555 A A• 9 1.92575 0 1.90032 1.93719 8 1.95246 3 1.91431 0 1.90032 NO 113	B/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3 0.852 -89.8 68.0 0.859 -88.4 68.0 ATLAS PHOTO NO	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.56556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7 113 POD SEQUENCE NO 893
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -66.1 203.20404 -56.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17	AZN 11.0 10.6 11.2 11.4 10.7 10.6	SEC TO 1MP/ 74.303 AZSUN A: -81.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36 -80.7 36 TAB	CT ALT 172.5555  A A A 9 1.92575   0 1.90032   1.93719   8 1.95246   3 1.91431   0 1.90032   NO 113	8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3 0.852 -89.8 68.0 0.852 -89.8 68.0 0.859 -88.4 68.0 ATLAS PHOTO NO	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 31.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -66.1 203.20404 -56.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17	AZN 11.0 10.6 11.2 11.4 10.7 10.6	SEC TO 1MP/ 74.303 AZSUN A: -81.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36 -80.7 36 TAB	CT ALT 172.5555  A A A 9 1.92575   0 1.90032   1.93719   8 1.95246   3 1.91431   0 1.90032   NO 113	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.3 0.833 -89.7 68.3 0.833 -89.7 68.3 0.852 -89.8 68.0 ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880 8/A AZPHAZ INCO	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PI-PT
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.103 -20.087 3 -11.044 -20.241	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -56.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17	AZN 11.0 10.6 11.2 11.4 10.7 10.6 7 MS	SEC TO 1 MP. 74 - 303  AZSUN A81.0 35 -80.6 35 -81.2 35 -81.2 36 -80.7 36  TAB  SEC TO 1 MP 72 - 623  AZSUN A81.0 35 -80.7 35	CT ALT 172.5555  A A A 9 1.92575 0 1.90032 1.93719 8 1.95246 3 1.91431 0 1.90032  NO 113  CCT ALT 168.7035 (A A A 4.9 1.88314 9 1.88824	B/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3 0.852 -89.8 68.0 0.859 -88.4 68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  B/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 4.99834 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT CON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.073 -19.946 5 -11.179 -19.913 6 -11.179 -20.204 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.103 -20.087 3 -11.044 -20.241 4 -11.025 -19.959	RANGE AZ5/C 200.37610 -54.1 197.77661 -53.8 201.62179 -66.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17  RANGE AZ5/C 195.94278 -54.1 193.40207 -53.8	AZN 11.0 10.6 11.2 11.4 10.7 10.6 7 MS	SEC TO IMPA 74 303 AZSUN A. 681.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36 -80.7 36 TAB SEC TO IMP 72.623 AZSUN A. 35 -80.6 35	CT ALT 172.5555  A A A 9 1.92575 0 1.90032 1.91431 1.95246 3 1.91431 1.90032 NO 113  CCT ALT 168.7035 4.4 9 1.88814 9 1.88825 1.88943	LAT LON 9 -9.558 -22.928 8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.3 0.833 -89.7 68.3 0.852 -89.8 68.0 0.852 -89.8 68.0 ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880 8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.841 -88.3 68.2	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 4.90834 2-3 38.6 32.8 28.6 8.39473 3-4 38.6 32.8 28.6 8.39473 3-4 38.6 32.8 28.6 8.39473 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.103 -20.087 3 -11.044 -20.241 4 -11.025 -19.959 5 -11.167 -19.927	RANGE AZ5/C 200.37610 -54.1 197.77661 -53.8 201.62179 -66.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17  RANGE AZ5/C 195.94278 -54.1 193.40207 -53.8 197.16017 -56.1 198.70638 -54.4 194.83265 -52.5	AZN 11.0 10.6 11.2 11.4 10.7 10.6 7 MS	SEC TO IMPA 74 303 AZSUN A. 681.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36 -80.7 36 TAB SEC TO IMP 72.623 AZSUN A. 35 -80.6 35	CT ALT 172.5555  A A A 9 1.92575 0 1.90032 1.91431 1.95246 3 1.91431 1.90032 NO 113  CCT ALT 168.7035 4.4 9 1.88814 9 1.88825 1.88943	9 -9.558 -22.928  8/A AZPHAZ INCO 0.846 - 89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3 0.852 -89.8 .68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  8/A AZPHAZ INCD 0.846 -89.0 68.1 0.859 -88.4 68.0 0.859 -88.4 68.0 0.841 -89.3 68.2 0.853 -89.7 68.3	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.56556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 4.9034 2-3 38.6 32.8 28.6 8.39473 3-4 38.6 33.6 28.4 4.42487 4-5 40.8 31.6 25.9 8.49663 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -66.1 203.20404 -56.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17 RANGE AZS/C 195.94278 -54.1 193.40207 -53.8 197.16017 -56.1 198.70638 -56.4	AZN 11.0 10.6 11.2 11.4 10.7 10.6 7 MS	SEC TO 1 MP. 74 - 303  AZSUN A81.0 35 -80.6 35 -81.2 35 -81.2 36 -80.7 36  TAB  SEC TO 1 MP 72 - 623  AZSUN A81.0 35 -80.7 35	CT ALT 172.5555  A A A 9 1.92575 0 1.90032 1.91431 1.95246 3 1.91431 1.90032 NO 113  CCT ALT 168.7035 4.4 9 1.88814 9 1.88825 1.88943	9 -9.558 -22.928  8/A AZPHAZ INCO 0.846 - 89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3 0.852 -89.8 .68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  8/A AZPHAZ INCD 0.846 -89.0 68.1 0.859 -88.4 68.0 0.859 -88.4 68.0 0.841 -89.3 68.2 0.853 -89.7 68.3	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 4.90834 2-3 38.6 32.8 28.6 8.39473 3-4 38.6 32.8 28.6 8.39473 3-4 38.6 32.8 28.6 8.39473 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT CON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.073 -19.946 5 -11.179 -19.913 6 -11.179 -20.206 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT CN 2 -11.103 -20.087 3 -11.044 -20.241 4 -11.025 -19.959 5 -11.167 -19.957 6 -11.179 -20.213 7 -11.044 -20.241	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -56.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17  RANGE AZS/C 195.94278 -54.1 193.40207 -53.8 197.16017 -56.1 198.70638 -54.4 194.83265 -52.1 193.40207 -53.8	AZN 11.0 10.6 11.2 11.4 10.7 10.6 7 MS AZN 11.0 10.6 11.2 11.4 10.7	SEC TO IMPA 74 303 AZSUN A. -81.0 35 -80.7 36 -80.6 35 -81.2 35 -81.3 36 -80.7 36 TAB SEC TO IMP 72.623 AZSUN A. -81.0 35 -80.7 35 -80.6 35 -81.2 36 -80.7 35	CT ALT 172.5555  A A A 9 1.92575 0 1.90032 1.91431 1.95246 3 1.91431 1.90032 NO 113  CCT ALT 168.7035 4.4 9 1.88814 9 1.88825 1.88943	9 -9.558 -22.928  8/A AZPHAZ INCO 0.846 - 89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3 0.852 -89.8 .68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  8/A AZPHAZ INCD 0.846 -89.0 68.1 0.859 -88.4 68.0 0.859 -88.4 68.0 0.841 -89.3 68.2 0.853 -89.7 68.3	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.56556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 12 40.8 30.8 26.1 4.90834 2-3 38.6 32.8 28.6 8.39473 3-4 40.8 31.6 25.9 8.49663 5-6 40.8 30.8 26.1 4.16987 6-7
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.103 -20.087 3 -11.044 -20.241  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.103 -20.087 3 -11.044 -20.241  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZ5/C 200.37610 -54.1 197.77661 -58.1 201.62179 -56.1 203.22404 -54.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17  RANGE AZ5/C 195.94278 -54.1 193.40207 -53.8 197.16017 -56.1 198.70638 -54.4 199.483265 -52.1 193.40207 -53.8	AZN 11.0 10.6 11.2 11.4 10.7 10.6 7 MS	SEC TO 1MP, 74, 303  AZSUN A81.0 35, -80.6 35, -81.2 35, -81.2 35, -81.2 35, -81.2 35, -81.2 35, -81.3 36, -80.7 36, -80.7 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.7 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6 35, -81.2 35, -80.6	CT ALT 172.5555  A A A 9 1.92575 0 1.90032 5 1.93719 8 1.95246 3 1.91310 0 1.90032 NO 113  ALT 168.7035 A A 9 1.88314 9 1.88525 1.8943; 1.914 ACT ALT 164.8499	LAT LON 9 -9.558 -22.928  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.840 -88.3 68.3 0.833 -89.7 68.3 0.852 -89.8 68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.853 -98.4 68.0 0.659 -88.4 68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.832  8/A AZPHAZ INCO 0.847 -9.602 -22.832  8/A AZPHAZ INCO 0.847 -99.0 68.1	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PT-PT 38.6 32.8 28.6 8.39473 3-4 40.8 30.8 26.1 4.90834 2-3 38.6 33.6 28.4 4.42487 4-5 40.8 30.8 26.1 4.16987 6-7  114 POD SEQUENCE NO 895
TRAJECTORY DATA  PHOTO DATA  PT LAT CON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.191 -20.206 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.103 -20.087 3 -11.044 -20.241 4 -11.025 -19.959 5 -11.167 -19.927 6 -11.179 -20.213 7 -11.044 -20.241  JULY 31.1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -66.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17  RANGE AZS/C 195.94278 -54.1 193.40207 -53.8 197.16017 -56.1 198.70638 -54.4 194.83265 -52.1 193.40207 -53.8 24 MIN 37 SEC 85	AZN 11.0 10.6 11.2 11.4 10.7 MS AZN 11.0 7 MS AZN 11.0 7 MS AZN 11.0 10.6 11.2 11.4 10.7 10.6 11.2 11.4 10.7 10.6 11.2 11.4 10.7 10.6 11.2 11.4 10.7 10.6 11.2 11.4 10.7 MS	SEC TO 1MP, 74, 303  AZSUN A81.0 35, -80.6 35, -81.2 35, -81.2 35, -81.0 35, -80.7 36  SEC TO 1MP, 72.023  AZSUN A81.0 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.6 35, -80.7 35, -80.0 3	CT ALT 172,5555  A A+ 9 1,92575 0 1,90032 1,90032 NO 113  CCT ALT 168,7035 1,91431 0 1,90032 NO 113  CCT ALT 168,7035 1,91431 0 1,88814 1,914,88814 1,	9 -9.558 -22.928  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.859 -88.4 68.0 0.852 -89.8 68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.0 0.854 -80.681 68.0 0.854 -80.681 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.58556 3-4 40.8 31.6 26.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PI-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 4.90834 2-3 38.6 32.8 28.6 8.29473 3-4 40.8 31.6 25.9 8.49663 5-6 40.8 30.8 26.1 4.16987 6-7  114 POD SEQUENCE NO 895  R V PTH AZ 40.8 31.6 25.9 8.49663 5-6 40.8 30.8 26.1 4.16987 6-7  114 POD SEQUENCE NO 895  PHAZ EMIS ALPHA SCALE PI-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 4.16987 6-7  114 POD SEQUENCE NO 895
TRAJECTORY DATA  PHOTO DATA  PT LAT	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -56.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17  RANGE AZS/C 195.94278 -54.1 193.40207 -53.8 197.16017 -56.1 198.70638 -54.4 194.83265 -52.1 193.40207 -53.8 24 MIN 37 SEC 85  RANGE AZS/C 191.50562 -54.1 189.02369 -53.8 192.69472 -56.1 194.20369 -53.8	AZN 11.0 10.6 11.2 11.4 11.0 7 MS AZN 11.0 10.6 7 MS	SEC TO 1MP, 74, 303  AZSUN A81.0 35, -80.6 35, -81.2 35, -81.2 35, -81.0 35, -80.7 36  SEC TO 1MP, 72.023  AZSUN A81.0 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.7 35, -80.6 35, -80.7 35, -80.0 3	CT ALT 172,5555  A A+ 9 1,92575 0 1,90032 1,90032 NO 113  CCT ALT 168,7035 1,91431 0 1,90032 NO 113  CCT ALT 168,7035 1,91431 0 1,88814 1,914,88814 1,	9 -9.558 -22.928  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3 0.833 -89.7 68.3 0.852 -89.8 68.0 ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.833 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3 0.853 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.3	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 40.8 30.8 26.1 5.02003 2-3 38.6 32.8 28.7 8.56556 3-4 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.168  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0.1 2 40.8 30.8 26.1 4.90834 2-3 38.6 32.8 28.6 8.39473 3-4 38.6 33.6 28.4 4.42487 4-5 40.8 31.6 25.9 8.49663 5-6 40.8 30.8 26.1 4.16987 6-7  114 POD SEQUENCE NO 895  PHAZ EMIS ALPHA SCALE PT-PT 1900.305 2.520 -65.618 115.159  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0.1 2 40.8 30.8 26.1 4.16987 6-7  114 SCALE PT-PT 39.7 32.2 27.3 0.1 2 40.8 30.8 26.1 4.16987 6-7  114 SCALE PT-PT 39.7 32.2 27.3 0.1 2 40.8 30.8 26.1 4.16987 6-7  140.8 30.8 26.1 4.16987 6-7  150.8 30.8 26.1 4.16987 6-7  160.8 30.8 26.1 4.16987 6-7  170.8 30.8 26.1 4.179653 2-3 38.6 33.6 32.8 28.6 8.20376 3-4 38.6 33.6 28.8 28.6 8.20376 3-4 38.6 33.6 28.8 28.6 8.20376 3-4 38.6 33.6 28.8 28.6 8.20376 3-4 38.6 33.6 28.8 28.6 8.20376 3-4 38.6 33.6 28.8 28.6 8.20376 3-4 38.6 33.6 28.8 28.6 8.20376 3-4 38.6 33.6 28.8 28.6 8.20376 3-4 38.6 33.6 28.8 4 4.32429 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT CON 2 -11.113 -20.076 3 -11.053 -20.234 4 -11.033 -19.946 5 -11.179 -19.913 6 -11.179 -19.913 6 -11.191 -20.206 7 -11.053 -20.234  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT CON 2 -11.103 -20.087 3 -11.044 -20.241 4 -11.025 -19.959 5 -11.167 -19.927 6 -11.179 -20.213 7 -11.044 -20.241  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT CON 2 -11.093 -20.097 3 -11.093 -20.097 3 -11.093 -20.097 3 -11.093 -20.097 5 -11.156 -19.972 5 -11.156 -19.972 5 -11.156 -19.972	RANGE AZS/C 200.37610 -54.1 197.77661 -53.8 201.62179 -66.1 203.20404 -54.4 199.24042 -52.0 197.77661 -53.8 24 MIN 36 SEC 17  RANGE AZS/C 195.94278 -54.1 193.40207 -53.8 197.16017 -56.1 198.70638 -54.4 194.83265 -52.1 193.40207 -53.8 24 MIN 37 SEC 85  RANGE AZS/C 191.50562 -54.1 189.02369 -53.8	AZN 11.0 10.6 11.2 11.4 10.7 MS AZN 11.0 10.6 11.2 11.4 10.7 10.6	SEC TO 1MP, 74, 303  AZSUN A81.0 35, -80.6 35, -81.2	CT ALT 172,5555  A A A 9 1,92575 0 1,90032 0 1,90032 NO 113  CCT ALT 168,7035  A A 1,914,31 0 1,90032 NO 113  CCT ALT 168,7035 A A 1,914,31 0 1,90032 NO 114  ACT ALT 164,849 1,85825 NO 114  ACT ALT 164,849 1,86525 1,8142 1,8142 1	9 -9.558 -22.928  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.859 -88.4 68.0 0.852 -89.8 68.0  ATLAS PHOTO NO  LAT LON 1 -9.580 -22.880  8/A AZPHAZ INCO 0.846 -89.0 68.1 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.852 -89.7 68.3 0.852 -89.7 68.3 0.852 -89.7 68.0 0.854 -80.681 68.0 0.854 -80.681 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0 0.859 -88.4 68.0	R V PTH AZ 1908.011 2.515 -65.681 115.176  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 5.02003 2-3 38.6 33.6 28.5 4.52544 4-5 40.8 31.6 26.0 8.68990 5-6 40.8 31.6 26.0 8.68990 5-6 40.8 30.8 26.1 4.26448 6-7  113 POD SEQUENCE NO 893  R V PTH AZ 1904.159 2.518 -65.650 115.166  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 4.90834 2-3 38.6 33.6 28.4 4.42487 4-5 40.8 31.6 25.9 8.49463 5-6 40.8 30.8 26.1 4.16987 6-7  114 POD SEQUENCE NO 895  R V PTH AZ 1900.305 2.520 -65.618 115.159  PHAZ EMIS ALPHA SCALE PT-PT 39.7 32.2 27.3 0. 1-2 40.8 30.8 26.1 4.16987 6-7  114 POD SEQUENCE NO 895

				RA-VI	I CAMERA	N P1							20
JULY 31,1964 13 HR	R 24 MIN 39	SEC 537	, M.C		TAB NO	115	ATLA	s РНОТО	NO	115	POD	SEQUENCE N	0 897
TRAJECTORY DATA		320 331			IMPACT	ALT	LAT	LC					
ΡΗΠΤΟ ΝΔΤΔ					24.2	160.9932	4 -9.6	25 -22.	783	R 1896.4	V 49 2.52	PTH 2 ~65.586 1	AZ 15.151
PHOTO DATA PT LAT LON 2 -11.083 -20.108 3 -11.027 -20.255 4 -11.008 -19.986 5 -11.144 -19.956 6 -11.156 -20.228	RANGE	AZS/C	AZN	AZSUN	AZA	A*	B/A	AZPHAZ	INCD	PHAZ EMI	S ALPHA	SCALE	PT-PT
2 -11.083 -20.108	187.06403	-54.1	11.0	-81.0	35.9	1.79781	0.847	-89.0	68.1	39.7 32.	2 27.3	SCALE 0 4.68469 8.01261 4.22353	1- 2
4 -11.008 -19.986	188.22486	-56.1	11.2	-80.7	35.5	1.77411	0.859	-88.4	68.0	40.8 30.	8 26.1	4-68469	2- 3
5 -11.144 -19.956	189.69899	-54.4	11.3	-81.2	35.8	1.82270	0.834	-89.7	68.3	38.6 33.	6 28.4	4.22353	4-5
6 -11.156 -20.228 7 -11.027 -20.255	186.00499	-52 <u>-1</u>	10.7	81.3	36.3 35.9							8-10400	2- 0
	101104000	-33.6	10.0							40.8 30.		3.98037	
JULY 31,1964 13 HR	24 MIN 41	SEC 216	MS		TAB NO	116	ATLA	S PHOTO	NO	116	POD	SEQUENCE N	0 899
TRAJECTORY DATA				SEC TO	THRACT	A4 T							
TRAJECTORY DATA PHOTG DATA				67	583	157.1348	3 -9.64	47 -22.	735	1892.5	90 2.524	-65-554 1	15.142
PHOTO DATA PT LAT LON	DANCE	A 2 C / C	4 741	4.7.51.151									
PT LAT LON 2 -11.073 -20.118 3 -11.018 -20.262 4 -11.000 -19.999	182.61831	425/C	11.0	-81-0	AZA 35.9	A* 1.75509 1.73196	B/A /	AZPHAZ	INCD	PHAZ EMI	S ALPHA	SCALE	PT-PT
3 -11.018 -20.262	180.25396	-53.8	10.6	-80.7	35.9	1.73196	0.859	-88.4	67.9	40.8 30.	8 26-1	0. 4.57271	2- 3
4 -11.000 -19.999	183.75087	-56.1	11.2	-80.6	35.5								34_
6 -11.144 -20.236	181.58485	-54.4	10.7	-81.3	35.8	1.77937	0.834	-89.7	68.2	38.6 33.	5 28.4	4.12285	4- 5
5 -11.133 -19.970 6 -11.144 -20.236 7 -11.018 -20.262	180.25396	-53.8	10.6	-80.7	35.9	1.77937 1.74468 1.73196	0.859	-88.4	67.9	40.8 30.	9 26-1	7.91596 3.88546	6- 7
					TAB NO			S PHOTO					
JULY 31,1964 13 HR	24. MIN. 42	SEC_896	MS		IAD NO	***	AILA	a rmulu	ML	117	POD	SEQUENCE N	0 901
TRAJECTORY DATA				SEC TO	IMPACT	AL T	LAT	LOP	N	R	٧	PTH	AZ
PHOTO DATA				65.	903	153.27414	-9.6	70 -22.6	586	1888.7	29 2.526	-65.522 1	15.133
DT IAT ION	RANGE	AZS/C	AZN	AZSUN	AZA	Δ.	R/A	A7PHA7 :	I NC D	PHAZ EMI	C ALDUA	SCALE	
2 -11.063 -20.129 3 -11.009 -20.269 4 -10.991 -20.013 5 -11.121 -19.984	178.16820	-54.1	11.0	-81.0	35.9	1.71232	0.847_	-B9.0	58.1	39.7 32.	1 27.2	Q.	1- 2
4 -10-991 -20-269	175.86263	-53.8	10.6	-80.7 -80.6 -81.2	35.9	1.68976	0.86C	-88.4	57.9	40.8 30.	8 26.1	4.46070	2- 3
			11.3	-81.2	35.8	1.73599	0.841	-88.3 6	58•2 58•2	38.6 32. 38.6 33.	7 28.6 5 28.4	7.62996	3- 4
6 -11.132 -20.244 7 -11.009 -20.269	177.16031	-52.1	10.7	-81.3 -80.7	36.2	1.70217	0.853	-89-7 (	58.0	40.8 31.	5 25.9	4.02208 7.72211	5-6
1 -11:007 -20:209	175.86263	-53.8	10.6	-80.7	35.9	1.68976	C.860	-88.4	57.9	40.8 30.	8 26.1	3.79056	6- 7
					35.9 TAB NO	1.68976	C.860	-88.4 ( S PHOTO	57.9	40.8 30.	8 26.1		6- 7
JULY 31,1964 13 HR						1.68976	C.860	-88.4	57.9	40.8 30.	8 26.1	3.79056 SEQUENCE N	6- 7
			MS		TAB NO	118	ATLA	-88.4 6 S PHOTO	57.9 NO	40.8 30. 118	8 26.1 POD	SEQUENCE N	6- 7 0 903
JULY 31,1964 13 HR TRAJECTORY DATA	. 24 MIN 44	SEC 576	MS	SEC TO	TAB NO	1.68976 118	ATLA:	-88.4 ( S PHOTO	57.9 NO	40.8 30. 118	8 26.1 POD	SEQUENCE N	6- 7 0 903
JULY 31,1964 13 HR TRAJECTORY DATA	. 24 MIN 44	SEC 576	MS	SEC TO	TAB NO	1.68976 118	C.860 ATLA: LAT 5 -9.69	-88.4 ( S PHOTO	NO NO 537	40.8 30. 118 R 1884.8	8 26.1 POD V 66 2.528	PTH -65.490 1	6- 7 0 903 - AZ 15-124
JULY 31,1964 13 HR TRAJECTORY DATA	. 24 MIN 44	SEC 576	MS	SEC TO	TAB NO	1.68976 118	LAT 5 -9.69	-88.4 ( S PHOTO	NO NO	40.8 30. 118 R 1884.8	POD  V 66 2.528	PTH -65.490 1	6- 7 0 903 - AZ 15.124 PT-PT
JULY 31,1964 13 HR TRAJECTORY DATA	. 24 MIN 44	SEC 576	MS	SEC TO	TAB NO	1.68976 118	LAT 5 -9.69 B/A 0.847 0.860	S PHOTO  1 OF 22 - 22 - 6  AZPHAZ 1 - 89 - 0 6 - 88 - 4 6	NO NO NO NO NO NO NO NO NO NO NO NO NO N	40.8 30. 118 R 1884.8 PHAZ EMI 39.7 32. 40.8 30.	POD  V 66 2.528  S ALPHA 1 27.2 7 26.1	PTH -65.490 1	6- 7 0 903 AZ 15-124 PT-PT
JULY 31,1964 13 HR TRAJECTORY DATA	. 24 MIN 44	AZS/C -54-1 -53-8 -56-1	AZN 11.0 10.6	AZ SUN -81.0 -80.7 -80.6	TAB NO IMPACT 223 AZA 35.9 35.9 35.9	ALT 149.41115 A+ 1.66953 1.64755 1.67941	LAT 5 -9.69 B/A A 0.847 0.860 0.841	-88.4 ( S PHOTO  1 () 92 -22.6  AZPHAZ 1 -89.0 -88.4 ( -88.3 (	NO NO NO NO NO NO NO NO NO NO NO NO NO N	40.8 30. 118 R 1884.8 PHAZ EMI 39.7 32. 40.8 30. 38.6 32.	POD  V 66 2.528  S ALPHA 1 27.2 7 26.1 7 28.6	PTH -65.490 1	6- 7 0 903 AZ 15-124 PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.052 -20.139 3 -11.000 -20.276 4 -10.983 -20.026 5 -11.109 -19.998 6 -11.120 -20.251	RANGE 173.71583 171.46891 174.79194 176.15812 172.73343	AZS/C -54.1 -53.8 -56.1 -54.4	AZN 11.0 10.6 11.2	AZ SUN -81.0 -80.7 -80.6 -81.2	TAB NO IMPACT 223 AZA 35.9 35.9 35.5 35.8	ALT 149.41115 A+ 1.66953 1.64755 1.67941 1.69259	B/A A 0.847 0.860 0.841 0.834	-88.4 ( S PHOTO  LON  32 -22.6  AZPHAZ   -89.0 ( -88.4 ( -88.3 ( -89.7	NO NO NO NO NO NO NO NO NO NO NO NO NO N	HAZ EMI 39.7 32. 40.8 30. 38.6 32.	POD  V 66 2.528  S ALPHA 1 27.2 7 26.1 7 28.6	PTH -65.490 1 SCALE 0. 4.34874 7.43856 3.92122	AZ
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.052 -20.139 3 -11.000 -20.276 4 -10.983 -20.026 5 -11.109 -19.98 6 -11.120 -20.251	RANGE 173.71583 171.46891 174.79194	AZS/C -54.1 -53.8 -56.1 -54.4	AZN 11.0 10.6 11.2	AZ SUN -81.0 -80.7 -80.6	TAB NO IMPACT 223 AZA 35.9 35.9 35.5 35.8	ALT 149.41115 A+ 1.66953 1.64755 1.67941 1.69259	B/A A 0.847 0.860 0.841 0.834	-88.4 ( S PHOTO  LON  32 -22.6  AZPHAZ   -89.0 ( -88.4 ( -88.3 ( -89.7	NO NO NO NO NO NO NO NO NO NO NO NO NO N	HAZ EMI 39.7 32. 40.8 30. 38.6 32.	POD  V 66 2.528  S ALPHA 1 27.2 7 26.1 7 28.6	PTH -65.490 1	6- 7 0 903 AZ 15.124 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -11.052 -20.139 3 -11.000 -20.276 4 -10.983 -20.020 5 -11.109 -19.998 6 -11.120 -20.251 7 -11.000 -20.276	RANGE 173.71583 171.46891 174.79194 176.15812 172.73343 171.46891	AZS/C -54.1 -53.8 -56.1 -54.4 -52.1 -53.8	AZN 11.0 10.6 11.2 11.3 10.7	AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -60.7	TAB NO IMPACT 223 AZA 35.9 35.9 35.5 35.8	ALT 149.41115 A. 1.66953 1.64755 1.67941 1.69259 1.65963 1.64755	B/A A 0.847 0.860 0.841 0.834 0.853 C.860	-88.4 ( S PHOTO  100 92 -22.6  AZPHAZ   -89.0 ( -88.4 ( -88.3 ( -89.7 ( -89.7 ( -88.4	NO NO NO NO NO NO NO NO NO NO NO NO NO N	HAZ EMI 39-7 32-40-8 30-38-6 32-40-8 31-40-8 30-	POD  V 66 2.528  S ALPHA 1 27.2 7 26.1 7 28.6 5 28.4 5 25.9 7 26.1	PTH -65.490 1 SCALE 0. 4.34874 7.43856 3.92152 7.52831 3.69567	6- 7 0 903 AZ 15.124 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -11.052 -20.139 3 -11.000 -20.276 4 -10.983 -20.026 5 -11.109 -19.998 6 -11.120 -20.251 7 -11.000 -20.275  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 2 -11.042 -20.150 3 -10.991 -20.282 4 -10.974 -20.150 3 -10.991 -20.282 6 -11.108 -20.215 6 -11.108 -20.259 7 -10.991 -20.262  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 2 -10.991 -20.262  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LGN	RANGE 173.71583 171.46891 174.79194 176.15812 172.73343 171.46891 24 MIN 46  RANGE 169.26158 167.07315 170.30962 171.63993 168.30457 167.07315	AZS/C -54.1 -53.8 -56.1 -53.8 SEC 256  AZS/C -54.4 -52.1 -53.8 SEC 256	AZN 11.0 AZN 10.7 AZN 11.0 AZN 10.7 AZN 10.6 AZN 10.6 AZN 10.7 AZN 10.6 AZN	SEC TO 64.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC TO -80.7 -80.6 -81.2 -81.0 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.6 -80.7 -80.7 -80.6 -80.7	TAB NO  IMPACT 223  AZA 35.9 35.9 35.9 35.8 26.2 35.9 TAB NO  IMPACT 543  AZA 35.9 35.9 35.9 35.9 35.9 TAB NO	ALT 149.41115 A. 1.66953 1.64755 1.67941 1.69259 1.65963 1.64755 119 ALT 145.54607 A. 1.62672 1.60531 1.63634 1.64708 1.64708 1.64708 1.64708	B/A 7 0.847 0.853 C.834 0.853 C.860 ATLA:  LAT 7 -9.71 B/A 2 0.847 0.867 0.8	-88.4 (c) S PHOTO  1 (1) P2 -22.4 A2PHAZ 1 -89.0 (c) -88.4 (c) -88.3 (c) -89.7 (c) -88.4 (c) S PHOTO  1.5 -22.5 A2PHAZ 1 -89.0 (c) -88.2 (c) -88.4 (c) S PHOTO  1.5 -22.5 A2PHAZ 1 -89.0 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.4 (c) -88.4 (c) -88.2 (c) -88.3 (c) -88.4 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.3 (c) -88.4 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.3 (c) -88.4 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.3 (c) -88.4 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.2 (c) -88.3 (c) -88.4 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.4 (c) -88.2 (c) -88.4 (	NO NO NO NO NO NO NO NO NO NO NO NO NO N	R 1884-8 PHAZ EMI 39-7 32-40-8 30-38-6 32-34-0-8 30-119 R 1881-0 PHAZ EMI 39-7 32-40-8 30-120 R 1877-1	8 26.1 POD  V 66 2.528 S ALPHA 1 27.2 7 26.1 7 28.6 5 28.4 5 25.9 7 26.1 POD  S ALPHA 1 27.2 7 26.1 POD  V 01 2.530 S ALPHA 1 27.2 7 26.1 7 26.5 5 28.4 5 25.9 7 26.1 POD  V	PTH -65.490 1  SCALE 0. 4.34874 7.43856 3.92122 7.52831 3.69567 SEQUENCE NO -65.458 11 SCALE 0. 4.23674 7.24723 3.82038 7.33455 3.60068  SEQUENCE NO	AZ 15.124  PT-PT 1-2 3-4 4-5 6-7  0 905  AZ 15.115  PT-PT 1-2 3-4 4-5 6-7  0 905  AZ 15.115
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -11.052 -20.139 3 -11.000 -20.276 4 -10.983 -20.026 5 -11.109 -19.994 6 -11.120 -20.251 7 -11.000 -20.275  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTC DATA PT LAT LCN 2 -11.042 -20.150 3 -10.991 -20.228  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 2 -11.042 -20.150 3 -10.991 -20.228  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.032 -20.160 3 -10.991 -20.282  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.032 -20.160 3 -10.983 -20.289 4 -10.966 -20.053 5 -11.0983 -20.289 4 -10.966 -20.053	RANGE 173.71583 171.46891 174.79194 176.15812 172.73243 171.46891 24 MIN 46  RANGE 169.26158 167.07315 170.30962 171.63993 168.30457 167.07315	AZS/C -54.1 -53.8 -56.1 -53.8 -56.4 -52.1 -53.8 SEC 256 AZS/C -54.1 -53.8 SEC 936 AZS/C -52.1 -53.8 -66.1 -53.8	AZN 11.0 10.6 11.2 11.3 10.7 10.6 MS AZN 11.0 10.6 MS	SEC TO 64.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC TO -80.7 -80.6 -81.2 -81.0 -80.7 -80.6 -7	TAB NO  IMPACT 223  AZA 35.9 35.9 35.8 26.2 35.9 TAB NO  IMPACT 543  AZA 35.9 35.9 36.2 35.9 TAB NO	ALT 149.41115 A. 1.66953 1.64755 1.67941 1.69259 1.65963 1.64755 119 ALT 145.54607 A. 1.62632 1.63634 1.63634 1.64708 1.64708 1.64708 1.64708 1.64708 1.65303 1.64708 1.65303 1.64708 1.65303 1.64708 1.65303 1.64708 1.65303 1.64708	B/A 7 0.840 0.853 0.860 ATLA:  LAT 7-9.69 0.860 0.841 0.853 0.860 ATLA:  LAT 7-9.71 B/A 4 0.863 0.860 ATLA:  LAT 7.864 0.863 0.866 0.864 0.863 0.860 ATLA:	-88.4 (c) S PHOTO  1 OP 2	NO NS537 (NCD 188-1 157-9 168-2 168-7 (NCD 188-1 171-9 NO NS58-2 188-2 1	R 1884-8 PHAZ EMI 39-7 32-40-8 30-119 R 1881-0 PHAZ EMI 30-119 R 1881-0 PHAZ EMI 39-7 32-40-8 30-120 R 1877-1 PHAZ EMI 39-7 32-40-8 30-120 R 1877-1 PHAZ EMI 39-7 38-6 33-8 38-6 33-8 38-6 33-8 38-6 38-8 38-8	8 26.1 POD  66 2.528  S ALPHA 1 27.2 7 26.1 7 28.6 5 28.4 5 25.9 7 26.1 POD  S ALPHA 1 27.2 7 26.1 POD  1 2.530 S ALPHA 2 7.2 7 26.1 POD  3 4 2.532 S 4.532 S 4.532 S 4.532 S 4.532 S 4.532 S 4.532 S 6.1	PTH -65.490 1 SCALE 0. 4.34874 7.43856 3.92122 7.52831 3.69674 56.458 1 SCALE 0. 4.23674 7.24723 3.82038 7.33455 3.60068 SEQUENCE NO PTH -65.425 1 SCALE 0. 4.23674 7.24723 7.05574	AZ 15-124 PT-PT 1-2 2-3 3-4 4-5 5-A 6-7 0 905 AZ 15-115 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 907
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.052 -20.139 3 -11.000 -20.276 4 -10.983 -20.026 5 -11.109 -19.998 6 -11.120 -20.251 7 -11.000 -20.276  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.042 -20.150 3 -10.991 -20.282 4 -10.974 -20.039 5 -11.098 -20.012 6 -11.108 -20.259 7 -10.991 -20.262  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LGN 2 -20.160 3 -10.983 -20.160 3 -10.983 -20.260 5 -11.0966 -20.053 5 -11.0966 -20.053 5 -11.0966 -20.053 5 -11.0966 -20.0266	RANGE 173.71583 171.46891 174.79194 176.15812 171.46891 24 MIN 46  RANGE 169.26158 167.07315 170.30962 171.63993 168.30457 167.07315 24 MIN 47	AZS/C -54.1 -53.8 -56.1 -52.1 -53.8 SEC 256 AZS/C -54.1 -53.8 SEC 936 AZS/C -54.4 -52.1 -53.8 SEC 936	AZN 11.0 AZN 11.0 AZN 11.0 AZN 10.6 MS	SEC TO 64.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC TO 62.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7	TAB NO  IMPACT 223  AZA 35.9 35.9 35.8 36.2 35.9  TAB NO  IMPACT 543  AZA 35.9 35.8 36.2 35.9 TAB NO  IMPACT 863  AZA 35.9 35.8 36.2 35.9 35.8 36.2 35.9	ALT 149-41115 A- 1.66953 1.64755 1.67941 1.69259 1.65963 1.64755 119 ALT 145.54607 A- 1.64918 1.61708 1.61708 1.61708 1.60531 120 ALT 141.67862 A- 1.5636363 1.56363 1.5636 1.56363 1.56	B/A 7 0.847 0.853 C.86C ATLA:  B/A 7 0.863 0.87 0.853 C.86C 0.842 0.853 0.860 ATLA:	-88.4 ( S PHOTO  100 92 -22.6  AZPHAZ   1-89.0 ( -88.3 ( -89.7	NO NS537 NCD 68-1 157-9 NO NO NSS-2 188-2	R 1884.8  PHAZ EMI 39.7 32.40.8 30.38.6 32.38.6 33.40.8 31.40.8 30.119  PHAZ EMI 39.7 32.40.8 30.210.20  PHAZ EMI 39.7 32.40.8 30.38.6 32.38.6 33.40.8 31.40.8 30.120	8 26.1 POD  66 2.528 S ALPHA 1 27.2 7 26.1 7 28.6 5 28.4 5 25.9 7 26.1 POD  1 2.7.2 7 26.1 7 28.5 5 28.4 POD  34 2.532 7 26.1 POD  34 2.532 8 ALPHA 1 27.2 7 26.1 7 28.5 5 28.4 7 26.1 7 28.5 7 26.1 7 28.5 7 26.1	PTH -65.490 1  SCALE 0. 4.34874 7.43856 3.92122 7.52831 3.69567  SEQUENCE NO  **CALE 0. 4.2470 3.82038 SEQUENCE NO  **CALE 0.	6- 7 0 903- 15-124 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 0 905 AZ 15-115 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 0 907 AZ 15-106 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 907
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.052 -20.139 3 -11.000 -20.276 4 -10.983 -20.026 5 -11.109 -19.998 6 -11.120 -20.251 7 -11.000 -20.276  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.042 -20.150 3 -10.991 -20.282 4 -10.974 -20.039 5 -11.1098 -20.126 6 -11.108 -20.252  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.098 -20.252  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.1032 -20.160 3 -10.983 -20.160 3 -10.983 -20.1284 4 -10.976 -20.053	RANGE 173.71583 171.46891 174.79194 176.15812 171.46891 24 MIN 46  RANGE 169.26158 167.07315 170.30962 171.63993 168.30457 167.07315 24 MIN 47	AZS/C -54.1 -53.8 -56.1 -52.1 -53.8 SEC 256 AZS/C -54.1 -53.8 SEC 936 AZS/C -54.4 -52.1 -53.8 SEC 936	AZN 11.0 AZN 11.0 AZN 11.0 AZN 10.6 MS	SEC TO 64.  AZ SUN -81.0 -80.7 -80.6 -81.2 -81.3 -80.7  SEC TO -80.7 -80.6 -81.2 -81.0 -80.7 -80.6 -7	TAB NO  IMPACT 223  AZA 35.9 35.9 35.8 36.2 35.9  TAB NO  IMPACT 543  AZA 35.9 35.8 36.2 35.9 TAB NO  IMPACT 863  AZA 35.9 35.8 36.2 35.9 35.8 36.2 35.9	ALT 149.41115 A. 1.66953 1.64755 1.67941 1.69259 1.65963 1.64755 119 ALT 145.54607 A. 1.62632 1.63634 1.63634 1.64708 1.64708 1.64708 1.64708 1.64708 1.65303 1.64708 1.65303 1.64708 1.65303 1.64708 1.65303 1.64708 1.65303 1.64708	B/A 7 0.847 0.841 0.853 C.860 ATLA:  LAT 7-9.65 B/A 7 0.860 C.834 0.853 C.860 ATLA:  LAT 7-9.71 B/A A C.843 C.853 0.860 ATLA:	-88.4 ( S PHOTO  100  100  100  100  100  100  100	NO NS37 INCD 188-2	R 1884.8  PHAZ EMI 39.7 32.40.8 30.38.6 32.38.6 33.40.8 31.40.8 30.119  PHAZ EMI 39.7 32.40.8 30.210.20  PHAZ EMI 39.7 32.40.8 30.38.6 32.38.6 33.40.8 31.40.8 30.120	8 26.1 POD  5 ALPHA 1 27.2 7 26.1 7 28.6 5 28.4 5 25.9 7 26.1 POD  1 27.2 7 26.1 7 26.1 7 26.1 POD  2 25.3 8 ALPHA 2 27.2 7 26.1 POD  3 4 2.5 8 28.4 8 27.2 7 26.1 7 26.1 7 26.1 7 26.1 8 28.5	PTH -65.490 1 SCALE 0. 4.34874 7.43856 3.92122 7.52831 3.69674 56.458 1 SCALE 0. 4.23674 7.24723 3.82038 7.33455 3.60068 SEQUENCE NO PTH -65.425 1 SCALE 0. 4.23674 7.24723 7.05574	AZ 15.124  PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6  AZ 15.115  PT-PT 1- 2 2- 3 3- 4 5- 6- 7  D 905

	_				IIV-AN	CAMERA	_P1								21
<del></del> .			-	<u> </u>	т	AB NO	121						POD S	EQUENCE NO	909
JULY 31,19															
TRAJECTOR	Y DATA _				SEC TO	IMPACT	ALT	LAT	L	ON .	187	R	2.534	PTH -65.393 11	AZ 5.097
PHOTO DAIL	A														PT-PT
PHOTO DAI, PT LAT 2 -11.022 3 -10.974	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A+	B/A	AZPHAZ	INCD	20 7	33 1 EM12	27.2		
2 -11.022	-20-1/1	158.26770	-53.8	10.6	-80.7	35.9	1.52070	0.860	-88-4	67.9	40.8	30.7	26.1	4.01257	2- 3
4 -10.957	-20.066	161.33096	56.1	11.2	80.6_	35.5	1.54097 1.52070 1.55007	0.842	-88.2	68.1	38.6	32.7	28.5	6.86405	3- 4
3 -10.974 4 -10.957 5 -11.074 6 -11.084 7 -10.974	-20.040	162.58955	-54.4	11.3	-81.2	35.8	1.56222	0.835	-89.7	68.2	38.6	33.4	28.3	3.61831	4- 5 5- 6
_6 =11.084	-20.274	159.43290	-52.1	10.7.	-81-3	36.2	1.53184	0.853.	-89.7	67.9	40.8	31.5.	25.9	3.41042	
7 -10.974	-20.296	158.26770	-53.8	10.6					-88.4 AS PHOT					EQUENCE NO	
JULY 31,19	164 13 HR	24 MIN 51	SEC 296	MS		TAB NO	122	AIL	AS PROI	U NO	122		100	LQUENCE NO	
TRAJECTOR	RY DATA				SEC TO	IMPACI	ALI	LAJ		ON	104	R	2 534	PTH -65.360 11	AZ
PHOTO DAT	íΑ					504									
PT LAT	LON	RANGE 155.87076	AZS/C	AZN	AZ SUN	AZA	A* 1.49802 1.47833	B/A	AZPHAZ	INCO	PHAZ	EMIS	ALPHA 27 2	SCALE 0.	1- 2
2 -11.011	+20.181	155.87076	-54.1	10.9	-81.0	35.9	1.47832	0.840	-69.0 -86.4	67.9	40.F	30.7	26-1	3.90031	2- 3
4 -10.965	-20.303	153.85794 156.83455	-56.1	11.2	-80.7 A.08-	35.5								6.67221	3- 4
5 -11.062	-20.055	158.05732	-54.4	11.3	-81.2	35.8	1.51867	0.835	-89.7	68.2	38.6	33.4	28.3		
6 -11.072	-20.282	158.05732 154.99006 153.85794	-52.1	10.7	-61.3	36.2	1.48915 1.47833	0,853	-89.7 -86.4	67.9	40.8	31.5	25.9 26.1	6.75232 3.31523	5- 6 6- 7
7 -10.965	-20.303	153.85794	~93.6	10.6		TAB NO			AS PHOT					SEQUENCE NO	
JULY 31,19	964 13 HR	24 PIN 52	SEC. 136	MS											
TRAJECTOR	RY DATA				SEC TO	IMPACT	ALT 132,00038	LA	1 796 -2	LÚN 2.413	18	K 67.456	V 2.538	PTH -65.344 11	AZ 5.084
PHOTO DAT	TA			,											
PT LAT	LON	RANGE 153.63519 151.65165	AZS/C	AZN 10.0	AZ 5UN	35 O	1.47454	0.848	- K9.O	68.0	39.7	32.0	27.2	0.	1- 2
3 -11 -000	-20.186	151.65165	-53.8	10-6	-80.7	35.9	1.45713	0.860	-88.4	67.9	40.8	30.7	26.1	3.84417 6.57623	2- 3
4 -10.944	-20.086	154.58495	-56.1	11.2	-80.6	35.5	1.48526	0.842	-88.2	68.	38.6	32.7	28.5	6.57623	3- 4
5 -11.056	-20.062	155.78979	-54.4	11.3	-61.2	35.8	1.49689	0.835	-89.7	68.	38.6	33.4	28.3	3.46666 6.65516	4- 5
6 -11.066 7 -10.960	-20.285	154.58495 155.78979 152.76722 151.65165	+52.1 -53.8	10.7	-81.3 -80.7	36.2 35.9	1.46780			67.	9 40.8	30.7	25.9 26.1	3.26764	6- 7
						TAB NO	124	ATL	AS PHOT	O NO	124		POD S	SEQUENCE NO	913
JULY 31,19	964 13 HR	24 MIN 52	SEC 976	MS											
TRAJECTO					55.	H24	ALT 130.0629	LA 7 -9.	T 807 -2	LON 2.388	18	R 65.51	v a 2.539	PTH -65.327 11	5.079
PHOTO DAT	TA	RANGE 151.39814 149.44391 152.33386 153.52078							AZPHAZ						
PT LAT	LON	RANGE	A7.5/C	AZN	AZ SUN	AZA	A+	0 94 B	-89.0	68.	D 79.7	32.0	27.2	0.	1- 2
2 -11.001	-20.192	151.39814	-53.8	10.9	~80.7	35.9	1.45504 1.43592 1.46363	0.860	-86.4	67.	9 40.8	30.7	26.1	3.78797	2- 3
4 -10.940	-20.093	152.33386	-56.1	11.2	-80.6	35.5	1.46363	0.842	-88.2	68.	1 38.6	32.7	28.5	6.48019	3- 4
5 -11.050	-20.069	153.52078	-54.4	11.3	-81.2	35.8	1.47509	C-835	-A9.7	68.	1 38.6	33.4	28.3	3.41804	9- 5
6 -11-060	-20.289	120.24670	-24 · L	1001	-01.5	_ 2016	1.44643	C-853	-89.1	0[+	9 40 8	30.7	26.1	3.21983	6- 7
7 -10.955	-20.311	149.44391	-53.8	10.6	-80.7	TAB NO			AS PHO			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		SEQUENCE N	
JULY 31,1	964 13 HI	R 24 MIN 53	SEC 816	s MS		IND NO	125	AIL	AS FRO	10 110	123				
TRAJECTO	RY DATA				SEC TO	IMPACT	AL T	LA	LT _	LCN		R	v		AZ
PHOTO DA	TA				54	.984	128.1251							-65.311 1	
DT IAT	1.00	RANGE	AZS/C	AZN	AZ SUN	AZA	A •	8/A	AZPHAZ	INC	D PHAZ	EMIS	ALPHA	SCALE	PT-PT
2 -10.996	-20.197	149.16010	-54.2	10.9	-81.0	35.8	1.43353	0.848	-89.0	68.	0 39.	32.0	27.2	0.	1- 2
3 -10-951	-20.314	147.23517	7 -53.8	10.6	-80.7	35.9	1.41470	C.860	-88.4	67.	9 40.8	30.7	26.0	3.73175 6.38414	
4 -10-936	-20.100	150.08177	/ ->0 • I	11.6	~60.0	35.5	1.44199	0.842	-88.2	68.	1 38.6	5 32 4	28.5	3 36541	4- '
		151.25077					1.45327				9 40.1	8 31.5		6.46068	5- 6
			7 -53.8	10.6	-80.7	35.9	1.41470				9 40.1	8 30.7	26.0	3.17214	6-
5 -11.044 6 -11.054 7 -10.951				. 45			126		LAS PHO				POD	SEQUENCE N	0 915
6 -11.054 7 -10.951	044 13 111		1 3EF 036	0 H2		-	ALT								ΑZ
6 -11.054 7 -10.951 JULY 31,1					CCC **	IMPACS								PIH	
6 -11.054 7 -10.951 JULY 31,1 TRAJECTO	IRY DATA				SEC TO 54	[MPAC1	126-1864	3 -9.	.830 -2	22.338	1	861.64	2 2.54	PTH 1 -65.295 1	15.07
6 -11.054 7 -10.951 JULY 31,1 TRAJECTO PHOTO DA	IRY DATA		AZS/C		54	.144	126-1864	3 -9.	.830 -2	22.338	n nua	861.64	2 2.54 : ALDHA	1 -65.295 1 SCALE	PT-P
6 -11.054 7 -10.951 JULY 31,1 TRAJECTO PHOTO DA	IRY DATA		AZS/C i -54.2		54	.144	126-1864	3 -9.	.830 -2	22.338	n nua	861.64	2 2.54 : ALDHA	1 -65.295 1 SCALE	PT-P
6 -11.054 7 -10.951 JULY 31,1 TRAJECTO PHOTO DA	IRY DATA		AZS/C 5 -54.2 7 -53.8		54	.144	126-1864	3 -9.	.830 -2	22.338	n nua	861.64	2 2.54 : ALDHA	SCALE 0	PT-P
6 -11.054 7 -10.951 JULY 31,1 TRAJECTO PHOTO DA PT LAT 2 -10.990 3 -10.946 4 -10.931	LON 0 -20.203 5 -20.318	RANGE 146.920 <u>55</u> 145.02489 147.82815	5 -54.2 9 -53.8 5 -56.1	10.9 10.6 11.2	54 I AZSUN -80.9 -80.7	.144 AZA 35.8 35.9 35.5	126-1864 A* 1-41201 1-39346 1-42034	B/A 0.848 0.866	AZPHA 8 -89.0 C -88.2	22.338 Z INC 0 68. 4 67. 2 68.	D PHA 0 39. 9 40.	861.64 Z EMIS 7 32.0 8 30.1 6 32.6	2 2.54 5 ALPHA 27.2 7 26.0 5 28.5	SCALE 0. 3.67556 6.28802	PT-P
6 -11.054 7 -10.951 JULY 31,1 TRAJECTO PHOTO DA PT LAT 2 -10.990 3 -10.946 4 -10.931	LON 0 -20.203 5 -20.318		5 -54.2 9 -53.8 5 -56.1	10.9 10.6 11.2	54 I AZSUN -80.9 -80.7	AZA 35.8 35.9 35.5 35.8	126-1864 A* 1-41201 1-39346 1-42034	B/A 0.846 0.866 0.846 0.835	AZPHA 8 -89. C -88. 2 -88. 5 -89. 3 -89.	22.338 Z INC D 68. 4 67. 2 68. 7 68. 7 67.	D PHA 0 39. 9 40. 1 38. 1 38.	861.64 Z EMIS 7 32.0 8 30.1 6 32.6 6 33.4 8 31.5	2 2.54 6 ALPHA 27.2 7 26.0 6 28.5 6 28.3 5 25.9	SCALE 0. 3.67556 6.28802 3.31479 6.36335	PT-P 1- 2- 3- 4- 5-

			RA-VII CAMER	A PI			22 22
·			TAB NO	127	ATLAS PHOTO NO	127 00	DD SEQUENCE NO 916
JULY 31,1964 13 HR	24 MIN 55 S	SEC 496 MS			AILAS FIIOTO NO		D SEQUENCE NO 316
TRAJECTORY DATA			SEC TO IMPACT	ALT	LAT LON	R _	Y PIH AZ 542 -65.278 115.066
PHOTO DATA			33.304			1859.703 2.	342 -65.278 115.066
PHOTO DATA PT LAT LON 2 -10.985 -20.208 3 -10.942 -20.321 4 -10.927 -20.114 5 -11.032 -20.091 6 -11.041 -20.301 7 -10.942 -20.321	RANGE	AZS/C AZ	N AZSUN AZA	A+	B/A AZPHAZ INCD	PHAZ EMIS ALP	HA SCALE PT-PT
2 -10.985 -20.208	144.68018	-54-2 10	-80.9 35.8	1.39047	0.848 -89.0 68.0	39.7.32.0 27	.2 0. 1-2
4 -10.927 -20.114	142.01303	-56.1 11.	2 -80.7 35.9	1.37222	0.860 -88.4 67.9	40.8 30.7 26	.0 3.61932 2-3
5 -11.032 -20.091	146.70691	-54.4 11.	3 -81.2 35.8	1.40962	0.835 -89.7 68.1	. <u>20+0 3/+0 ./8</u>	3 34407 4- 5
6 -11.041 -20.301_	143.86318	-52.1 10.	781.3 36.2	1,38225	0.853 -89.7 67.9	40.8 31.4 25	6-26601 5- 6
7 -10.942 -20.321	142.81383			1.37222	0.860 -88.4 67.9	40.8 30.7 26	.9 6.26601 5- 6 .0 3.07675 6- 7
			TAB NO	128	ATLAS PHOTO NO	128 PC	DD SEQUENCE NO 917
JULY 31,1964 13 HR							
TRAJECTORY DATA			SEC TO IMPACT	ALT.	LAT LON	R	V PIH AZ
PHOTO DATA			52.464	122.3077	1 -9.854 -22.287	1857.763 2.	543 -65.262 115.061
PHOTO DATA PT LAT LCN 2 -10.980 -20.213 3 -10.937 -20.325 4 -10.923 -20.121. 5 -11.026 -20.098 6 -11.035 -20.305 7 -10.937 -20.325	RANGE	AZS/C AZ	AZSUN AZA	Α.	B/A A7PHA7 INCO	PHA7 FMIS ALD	HA SCALE DI-DI
2 -10.980 -20.213	142.43834	-54.2 10.	-80.9 35.8	1.36893	0.848 -89.0 68.0	39.7 32.0 27	-2 0. 1-2
3 -10.937 -20.325	140.60129	-53.8 10.	-80.7 35.9	1.35096	0.860 -88.4 67.9	40.8 30.7 26	.0 3.56303 2- 3
5 -11 026 -20 009	143.31784	<u>-56-1 11-</u>	-80-6 35-5	1-37700	0-842 -88-2 68-1	38.6 32.6 28	-5 6-09566 3- 4
6 11 - 035 20 - 305	141.63406	-52 2 10	7 -81.2 35.8	1.38777	0.835 -89.7 68.1	38.6 33.4 28	-3 3.21335 4- 5
7 -10.937 -20.325	140.60129	-53.8 10.	-80.7 35.9	1.35096	0.860 -88.4 67.0	40.8 31.4 .25	49 6.16862 5-6
					01000 0014 0717	40.0 30.1 20	3.02863 6- 1
JULY 31:1964 13 HR	24 MIN 57 9	SEC 175 MS	TAB NO	129	ATLAS PHOTO NO	129 PC	OD SEQUENCE NO 918
TRAJECTORY DATA							
			51.624	120.3676	LAT LUN 6 -9.865 -22.262	1855 822 2	V PTH AZ 544 -65.245 115.056
PHOTO DATA				12043010	0 7.009 22.202	1033.023 2.	J44 -03.243 II3.036
PT LAT LON	RANGE	AZS/C AZ	N AZSUN AZA	A =	B/A AZPHAZ INCD	PHAZ EMIS ALP	HA SCALE PT-PT
2 -10.975 -20.219	140.19567_	-54.210.	-80.9 _35.8	1.34738	0.848 -89.0 68.0	39.7.32.0 27	.2 0. 1-2
4 -10 918 -20 127	138.38794	-53.8 10.	-80.7 35.9	1.32969	0.860 -88.4 67.9	40.8 30.7 26	.0 3.50674 2- 3
5 -11 020 -20 105	141.00113	-56.6 11.	2 -80.6 35.5	1.35532	0.842 -88.2 68.1	38.6 32.6 28	·5 5.99942 3- 4
6 -11.029 -20.309	139-40417	-52.2 10.	7 -81.3 36.2	1.36591	0.835 -89.7 68.1	38.6 33.4 28	.3 3.16263 4- 5
PHOTO DATA PT LAT LON 2 -10.975 -20.219 3 -10.993 -20.329 4 -10.918 -20.127 5 -11.020 -20.105 6 -11.029 -20.309 7 -10.933 -20.329	138.38794	-53.8 10.	-80.7 35.9	1.32969	0.860 -88.4 67.9	40.8 30.7 26	.0 2.98115 4-7
						200. 20	** F**********************************
			TAR NO				
			TAB NO	130	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR	24 MIN 58 S	SEC_15 MS	IAB NO	130	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA	24 MIN 58 S	SEC15 MS	SEC_TO_IMPACI	130 - <u>Alt</u> _	ATLAS PHOTO NO	130 PC	DD SEQUENCE NO 919
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.112 5 -11.014 -20.112 6 -11.023 -20.332 7 -10.928 -20.332	RANGE 137.95159 136.17318 138.80298 139.88241 137.17286 136.17318	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC_TO_IMPACI	ALT_ 118.42c8 A+ 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.86C -88.4 67.9 0.863 -88.2 68.1 0.835 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9	R 1853.882 2, PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 31.4 25 40.8 30.7 26	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.112 6 -11.014 -20.112 6 -11.023 -20.313 7 -10.928 -20.333  JULY 31,1964 13 HR	RANGE 137.95159 136.17318 138.80298 139.88241 137.17286 136.17318	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  A AZSUN AZA 80.9 35.8 5 -80.7 35.9 2 -80.6 35.5 -81.2 35.8 7 -81.3 36.2 -80.7 35.9 TAB NO	ALT 118-4268 A+ 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 601.0 0.86C -88.4 67.9 0.843 -88.2 681.1 0.835 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9 ATLAS PHOTO NO	130 PC  R 1853.882 2,  PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 40.8 31.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  DD SEQUENCE NO 920
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.112 5 -11.014 -20.112 6 -11.023 -20.332 7 -10.928 -20.332	RANGE 137.95159 136.17318 138.80298 139.88241 137.17286 136.17318	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  A AZSUN AZA 80.9 35.8 5 -80.7 35.9 2 -80.6 35.5 -81.2 35.8 7 -81.3 36.2 -80.7 35.9 TAB NO	ALT 118-4268 A+ 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 601.0 0.86C -88.4 67.9 0.843 -88.2 681.1 0.835 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9 ATLAS PHOTO NO	130 PC  R 1853.882 2,  PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 40.8 31.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  DD SEQUENCE NO 920
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137, 795,159 136, 17318 138, 80298 139, 88241 137, 17286 136, 17318 24 MIN 58 S	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  AZSUN AZA 9 -80.9 35.8 -80.7 35.9 2 -80.6 35.5 3 -81.2 35.8 5 -80.7 35.9 TAB NO  SEC TO IMPACT 49.944	ALT 118.4268 A. 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.853 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  2 0. 1-2  0 3.45041 2-3  5.5 5.90314 3-4  3 3.11191 4-5  8 5.97370 5-6  0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  564 -65.212 115.067
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137, 795,159 136, 17318 138, 80298 139, 88241 137, 17286 136, 17318 24 MIN 58 S	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  AZSUN AZA 9 -80.9 35.8 -80.7 35.9 2 -80.6 35.5 3 -81.2 35.8 5 -80.7 35.9 TAB NO  SEC TO IMPACT 49.944	ALT 118.4268 A. 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.853 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  2 0. 1-2  0 3.45041 2-3  5.5 5.90314 3-4  3 3.11191 4-5  8 5.97370 5-6  0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  564 -65.212 115.067
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137, 795,159 136, 17318 138, 80298 139, 88241 137, 17286 136, 17318 24 MIN 58 S	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  AZSUN AZA 9 -80.9 35.8 -80.7 35.9 2 -80.6 35.5 3 -81.2 35.8 5 -80.7 35.9 TAB NO  SEC TO IMPACT 49.944	ALT 118.4268 A. 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.853 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  2 0. 1-2  0 3.45041 2-3  5.5 5.90314 3-4  3 3.11191 4-5  8 5.97370 5-6  0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  564 -65.212 115.067
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137, 795,159 136, 17318 138, 80298 139, 88241 137, 17286 136, 17318 24 MIN 58 S	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  AZSUN AZA 9 -80.9 35.8 -80.7 35.9 2 -80.6 35.5 3 -81.2 35.8 5 -80.7 35.9 TAB NO  SEC TO IMPACT 49.944	ALT 118.4268 A. 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.853 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  2 0. 1-2  0 3.45041 2-3  5.5 5.90314 3-4  3 3.11191 4-5  8 5.97370 5-6  0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  564 -65.212 115.067
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137, 795,159 136, 17318 138, 80298 139, 88241 137, 17286 136, 17318 24 MIN 58 S	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  AZSUN AZA 9 -80.9 35.8 -80.7 35.9 2 -80.6 35.5 3 -81.2 35.8 5 -80.7 35.9 TAB NO  SEC TO IMPACT 49.944	ALT 118.4268 A. 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.853 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  2 0. 1-2  0 3.45041 2-3  5.5 5.90314 3-4  3 3.11191 4-5  8 5.97370 5-6  0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  564 -65.212 115.067
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137, 795,159 136, 17318 138, 80298 139, 88241 137, 17286 136, 17318 24 MIN 58 S	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  AZSUN AZA 9 -80.9 35.8 -80.7 35.9 2 -80.6 35.5 3 -81.2 35.8 5 -80.7 35.9 TAB NO  SEC TO IMPACT 49.944	ALT 118.4268 A. 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.853 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  2 0. 1-2  0 3.45041 2-3  5.5 5.90314 3-4  3 3.11191 4-5  8 5.97370 5-6  0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  564 -65.212 115.067
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137, 795,159 136, 17318 138, 80298 139, 88241 137, 17286 136, 17318 24 MIN 58 S	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  AZSUN AZA 9 -80.9 35.8 -80.7 35.9 2 -80.6 35.5 3 -81.2 35.8 5 -80.7 35.9 TAB NO  SEC TO IMPACT 49.944	ALT 118.4268 A. 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.853 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  2 0. 1-2  0 3.45041 2-3  5.5 5.90314 3-4  3 3.11191 4-5  8 5.97370 5-6  0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  564 -65.212 115.067
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137, 795,159 136, 17318 138, 80298 139, 88241 137, 17286 136, 17318 24 MIN 58 S	AZS/C AZ -54.2 10. -53.8 10. -56.1 11. -54.4 11. -52.2 10. -53.8 10.	SEC TO IMPACT 50.784  AZSUN AZA 9 -80.9 35.8 -80.7 35.9 2 -80.6 35.5 3 -81.2 35.8 5 -80.7 35.9 TAB NO  SEC TO IMPACT 49.944	ALT 118.4268 A. 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.853 -89.7 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 .28 38.6 33.4 28 40.8 30.7 26 131 PC	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  2 0. 1-2  0 3.45041 2-3  5.5 5.90314 3-4  3 3.11191 4-5  8 5.97370 5-6  0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  564 -65.212 115.067
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2-10.969 -20.224 3-10.928 -20.332 4-10.914 -20.134 5-11.014 -20.112 6-11.023 -20.313 7-10.928 -20.332  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2-10.964 -20.230 3-10.923 -20.336 4-10.910 -20.141 5-11.008 -20.120 6-11.017 -20.317 7-10.923 -20.336	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S RANGE 135,70650 133,95743 136,54388 137,60537 134,94055 133,95743	AZS/C AZ -54.2 1056.1 1152.2 1053.8 1054.4 1152.4 1053.8 1054.4 1152.2 1053.8 1056.1 1153.8 1056.1 1154.4 1154.4 1154.8 1056.3 8 10.	SEC TO IMPACT 50.784  A AZSUN AZA 9 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  AZSUN AZA 0 -80.9 35.8 7 -81.3 36.2 9 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  AZSUN AZA 0 -80.9 35.8 5 -80.7 35.9 2 -80.6 35.5 7 -81.3 36.2 5 -80.7 35.9	ALT 118-4268 A+ 1.32581 1.30641 1.33363 1.34404 1.31797 1.30841 131 116-4855 A- 1.30423 1.26712 1.31192 1.32216 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 60.0 0.866 -88.4 67.9 0.843 -88.2 68.1 0.835 -89.7 67.9  ATLAS PHOTO NO  LAT LON 6 -9.889 -22.211  B/A AZPHAZ INCD 0.846 -89.0 68.0 0.866 -88.4 67.9 0.860 -88.4 67.9 0.860 -88.4 67.9 0.860 -88.4 67.9	R 1853.882 2.  PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 .32.6 .28 40.8 31.4 .25 40.8 30.7 26 131  PC  R 1851.941 2.  PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 .25 40.8 30.7 26	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2. 0. 1-2  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.9335 6-7  DD SEQUENCE NO 920  V PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1. 0. 1-2  -0 3.39404 2-3  -4 5.80682 3-4  -2 3.06108 4-5  -8 5.87619 5-6  -0 2.88545 6-7
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.969 -20.224 4 -10.914 -20.134 5 -11.014 -20.134 6 -11.023 -20.332 7 -10.928 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S RANGE 135,70650 133,95743 136,54388 137,60537 134,94055 133,95743	AZS/C AZ -54.2 10. -54.4 11. -54.4 11. -52.2 10. -53.8 10. SEC 855 MS AZS/C AZ -54.2 10. -53.8 10. AZS/C AZ -54.2 10. -53.8 10. -53.8 10. SEC 855 MS	SEC TO IMPACT 50.784  A AZSUN AZA 9 -80.9 35.8 6 -80.7 35.9  Z -80.6 35.5 7 -81.3 36.2 5 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  A AZSUN AZA 9 -80.9 35.8 5 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  A AZSUN AZA 9 -80.9 35.8 5 -80.7 35.9 5 -80.6 35.5 7 -81.3 36.2 5 -80.7 35.9  TAB NO	ALT 118-4268 A+ 1.32581 1.30641 1.33363 1.34641 1.31797 1.30841 131 ALT 116-4855 A+ 1.30423 1.28712 1.31192 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.877 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.86C -88.4 67.9 0.843 -88.2 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.860 -88.4 67.9 0.860 -88.4 67.9 0.860 -88.4 67.9 0.853 -89.7 67.9 0.860 -88.4 67.9 0.854 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 28 38.6 33.4 28 40.8 30.7 26 131 PC R 1851.941 2. PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 32.6 28 40.8 31.4 25 40.8 31.4 25 40.8 31.4 25 40.8 30.7 26	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920  Y PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1 0. 1-2  -0 3.39404 2-3  -4 5.80682 3-4  -2 3.00108 4-5  -8 5.87619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2-10.969 -20.224 3-10.928 -20.332 4-10.914 -20.134 5-11.014 -20.112 6-11.023 -20.313 7-10.928 -20.332  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2-10.964 -20.230 3-10.923 -20.336 4-10.910 -20.141 5-11.008 -20.120 6-11.017 -20.317 7-10.923 -20.336	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S  RANGE 135,70650 133,95743 136,54388 137,40653 134,94055 133,95743	AZS/C AZ -54.2 10. -54.4 11. -54.4 11. -52.2 10. -53.8 10. SEC 855 MS AZS/C AZ -54.2 10. -53.8 10. AZS/C AZ -54.2 10. -53.8 10. -53.8 10. SEC 855 MS	SEC TO IMPACT 50.784  A AZSUN AZA 9 -80.9 35.8 6 -80.7 35.9  Z -80.6 35.5 7 -81.3 36.2 5 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  A AZSUN AZA 9 -80.9 35.8 5 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  A AZSUN AZA 9 -80.9 35.8 5 -80.7 35.9 5 -80.6 35.5 7 -81.3 36.2 5 -80.7 35.9  TAB NO	ALT 118-4268 A+ 1.32581 1.30641 1.33363 1.34641 1.31797 1.30841 131 ALT 116-4855 A+ 1.30423 1.28712 1.31192 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.877 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.86C -88.4 67.9 0.843 -88.2 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.860 -88.4 67.9 0.860 -88.4 67.9 0.860 -88.4 67.9 0.860 -88.4 67.9 0.853 -89.7 67.9 0.860 -88.4 67.9 0.854 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO	R 1853.882 2. PHAZ EMIS ALP 39.7 32.0 .27 40.8 30.7 26 38.6 32.6 28 38.6 33.4 28 40.8 30.7 26 131 PC R 1851.941 2. PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 32.6 28 40.8 31.4 25 40.8 31.4 25 40.8 31.4 25 40.8 30.7 26	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920  Y PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1 0. 1-2  -0 3.39404 2-3  -4 5.80682 3-4  -2 3.00108 4-5  -8 5.87619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921
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JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.134 5 -11.014 -20.132 6 -11.023 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.964 -20.230 3 -10.923 -20.336 4 -10.910 -20.141 5 -11.008 -20.120 6 -11.017 -20.316 5 -11.008 -20.120 7 -10.923 -20.336  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S RANGE 135,70650 133,95743 136,54388 137,60537 134,94055 134,94055 133,95743	AZS/C AZ -54.2 1053.8 1056.1 1152.2 1053.8 10. SEC 855 MS  AZS/C AZ -54.2 1053.8 10. SEC 855 MS	SEC TO IMPACT 50.784  AZSUN AZA 6 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.104  SEC TO IMPACT 49.104	ALT 118-4268 A- 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131 ALT 116-4855 A- 1.30423 1.26712 1.31192 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.843 -88.2 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.854 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 67.9  ATLAS PHOTO NO	R 1853.882 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 30.7 26 131  PC  R 1851.941 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 31.4 25 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1849.9999 2.	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1 0. 1-2  -0 3.39404 2-3  -1 2  -0 3.39404 2-3  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921  V PTH AZ  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.134 5 -11.014 -20.132 6 -11.023 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.964 -20.230 3 -10.923 -20.336 4 -10.910 -20.141 5 -11.008 -20.120 6 -11.017 -20.316 5 -11.008 -20.120 7 -10.923 -20.336  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S RANGE 135,70650 133,95743 136,54388 137,60537 134,94055 134,94055 133,95743	AZS/C AZ -54.2 1053.8 1056.1 1152.2 1053.8 10. SEC 855 MS  AZS/C AZ -54.2 1053.8 10. SEC 855 MS	SEC TO IMPACT 50.784  AZSUN AZA 6 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.104  SEC TO IMPACT 49.104	ALT 118-4268 A- 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131 ALT 116-4855 A- 1.30423 1.26712 1.31192 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.843 -88.2 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.854 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 67.9  ATLAS PHOTO NO	R 1853.882 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 30.7 26 131  PC  R 1851.941 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 31.4 25 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1849.9999 2.	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1 0. 1-2  -0 3.39404 2-3  -1 2  -0 3.39404 2-3  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921  V PTH AZ  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.134 5 -11.014 -20.132 6 -11.023 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.964 -20.230 3 -10.923 -20.336 4 -10.910 -20.141 5 -11.008 -20.120 6 -11.017 -20.316 5 -11.008 -20.120 7 -10.923 -20.336  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S RANGE 135,70650 133,95743 136,54388 137,60537 134,94055 134,94055 133,95743	AZS/C AZ -54.2 1053.8 1056.1 1152.2 1053.8 10. SEC 855 MS  AZS/C AZ -54.2 1053.8 10. SEC 855 MS	SEC TO IMPACT 50.784  AZSUN AZA 6 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.104  SEC TO IMPACT 49.104	ALT 118-4268 A- 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131 ALT 116-4855 A- 1.30423 1.26712 1.31192 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.843 -88.2 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.854 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 67.9  ATLAS PHOTO NO	R 1853.882 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 30.7 26 131  PC  R 1851.941 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 31.4 25 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1849.9999 2.	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1 0. 1-2  -0 3.39404 2-3  -1 2  -0 3.39404 2-3  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921  V PTH AZ  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.134 5 -11.014 -20.132 6 -11.023 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.964 -20.230 3 -10.923 -20.336 4 -10.910 -20.141 5 -11.008 -20.120 6 -11.017 -20.316 5 -11.008 -20.120 7 -10.923 -20.336  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S RANGE 135,70650 133,95743 136,54388 137,60537 134,94055 134,94055 133,95743	AZS/C AZ -54.2 1053.8 1056.1 1152.2 1053.8 10. SEC 855 MS  AZS/C AZ -54.2 1053.8 10. SEC 855 MS	SEC TO IMPACT 50.784  AZSUN AZA 6 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.94  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9 TAB NO	ALT 118-4268 A- 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131 ALT 116-4855 A- 1.30423 1.26712 1.31192 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.843 -88.2 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.854 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 67.9  ATLAS PHOTO NO	R 1853.882 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 30.7 26 131  PC  R 1851.941 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 31.4 25 40.8 30.7 26 131  PG  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PG  1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 132  PC  1849.9999 2.	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1 0. 1-2  -0 3.39404 2-3  -1 2  -0 3.39404 2-3  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921  V PTH AZ  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.134 5 -11.014 -20.132 6 -11.023 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.964 -20.230 3 -10.923 -20.336 4 -10.910 -20.141 5 -11.008 -20.120 6 -11.017 -20.316 5 -11.008 -20.120 7 -10.923 -20.336  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S RANGE 135,70650 133,95743 136,54388 137,60537 134,94055 134,94055 133,95743	AZS/C AZ -54.2 1053.8 1056.1 1152.2 1053.8 10. SEC 855 MS  AZS/C AZ -54.2 1053.8 10. SEC 855 MS	SEC TO IMPACT 50.784  AZSUN AZA 6 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.94  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9 TAB NO	ALT 118-4268 A- 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131 ALT 116-4855 A- 1.30423 1.26712 1.31192 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.843 -88.2 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.854 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 67.9  ATLAS PHOTO NO	R 1853.882 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 30.7 26 131  PC  R 1851.941 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 31.4 25 40.8 30.7 26 131  PG  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PG  1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 132  PC  1849.9999 2.	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1 0. 1-2  -0 3.39404 2-3  -1 2  -0 3.39404 2-3  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921  V PTH AZ  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.969 -20.224 3 -10.928 -20.332 4 -10.914 -20.134 5 -11.014 -20.132 6 -11.023 -20.332  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.964 -20.230 3 -10.923 -20.336 4 -10.910 -20.141 5 -11.008 -20.120 6 -11.017 -20.316 5 -11.008 -20.120 7 -10.923 -20.336  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 137,95159 136,17318 138,80298 139,88241 137,17286 136,17318 24 MIN 58 S RANGE 135,70650 133,95743 136,54388 137,60537 134,94055 134,94055 133,95743	AZS/C AZ -54.2 1053.8 1056.1 1152.2 1053.8 10. SEC 855 MS  AZS/C AZ -54.2 1053.8 10. SEC 855 MS	SEC TO IMPACT 50.784  AZSUN AZA 6 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.944  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9  TAB NO  SEC TO IMPACT 49.94  AZSUN AZA 7 -80.9 35.8 6 -80.7 35.9 TAB NO	ALT 118-4268 A- 1.32581 1.30841 1.33363 1.34404 1.31797 1.30841 131 ALT 116-4855 A- 1.30423 1.26712 1.31192 1.32216 1.29652 1.28712	ATLAS PHOTO NO  LAT LUN 3 -9.677 -22.236  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.843 -88.2 68.1 0.853 -89.7 67.9 0.860 -88.4 67.9  ATLAS PHOTO NO  LAT LON 8 -9.889 -22.211  B/A AZPHAZ INCD 0.848 -89.0 68.0 0.866 -88.4 67.9 0.854 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 66.1 0.835 -89.7 67.9  ATLAS PHOTO NO	R 1853.882 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 30.7 26 131  PC  R 1851.941 2.  PHAZ EMIS ALP 39.7 32.0 27 40.8 30.7 26 38.6 33.4 28 40.8 31.4 25 40.8 31.4 25 40.8 30.7 26 131  PG  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PHAZ EMIS ALP 40.8 30.7 26 131  R 1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 131  PG  1851.941 2.  PHAZ EMIS ALP 40.8 30.7 26 132  PC  1849.9999 2.	DD SEQUENCE NO 919  Y PIH AZ  545 -65.228 115.052  HA SCALE PT-PT  -2 0. 1-2  -0 3.45041 2-3  -5 5.90314 3-4  -3 3.11191 4-5  -8 5.97370 5-6  -0 2.93335 6-7  DD SEQUENCE NO 920  V PTH AZ  546 -65.212 115.047  HA SCALE PT-PT  -1 0. 1-2  -0 3.39404 2-3  -1 2  -0 3.39404 2-3  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921  V PTH AZ  -2 3.06108 4-5  -8 5.81619 5-6  -0 2.88545 6-7  DD SEQUENCE NO 921

	RA-VII CAMERA	A P1 23
	TAB NO	133 ATLAS PHOTO NO 133 POD SEQUENCE NO 922
JULY 31,1964 13 HR 25 MIN 0 SEC 535 MS		
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON & V PTH AZ 112.60136 -9.912 -22.160 1848.057 2.548 -65.178 115.038
PHOTO DATA PT LAT LON KANGE AZS/C AZN		A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.953 -20.241 131.21362 -54.2 10.9	-80.9 35.8	1.26105 0.848 -89.0 68.0 39.7 32.0 27.1 0. 1-2
3 -10.914 -20.343 129.52312 -53.8 10.6 4 -10.901 -20.155 132.02291 -56.1 11.2	-60.7 35.9 -80.6 35.5	1.24451 0.86C -88.4 67.9 40.8 30.7 26.0 3.28137 2- 3 1.26848 0.843 -88.2 68.C 38.6 32.6 28.4 5.61411 3- 4
5 -10.996 -20.134 133.04859 -54.4 11.3	-81.2 35.8	1.27838 0.836 -89.7 68.1 38.6 33.3 28.2 2.95954 4-5
6 -11.005 -20.325 130.4731452.2 10.7 7 -10.914 -20.343 129.52312 -53.8 10.6	-£1.3 36.1 -80.7 35.9	1.25360 0.854 -89.7 67.9 40.8 31.4 25.8 5.68111 5-6 1.24451 0.860 -88.4 67.9 40.8 30.7 26.0 2.78975 6-7
7 -10.414 -20.543 127.5212 -55.0 10.0	TAB NO	
JULY 31,1964 13 HR 25 MIN 1 SEC 375 MS	TAB (10	ALL THE PROPERTY OF THE PARTY O
TRAJECTORY DATA	SEC ID IMPACT	ALI LAI LON <u>K Y PIH AZ</u> 110.65797 -9.924 -22.134 1846.113 2.549 -65.162 115.033
PHOTO DATA		
PT LAT LON RANGE AZS/C AZN 2 -10.948 -20.246 128.96489 -54.2 10.9	AZSUN AZA -80.9 35.8	1 23044 0 948 -99 0 49 0 39 7 37 0 27 1 0 1-2
3 -10.910 -20.347 127.30369 -53.8 10.6	-80.7 35.9	1.22319 0.860 -88.4 67.9 40.8 30.7 26.0 3.22496 2 3
4 -10.896 -20.162 129.76014 <u>-56.1</u> 11.2 5 -10.990 -20.142 130.76791 -54.4 11.3	-80.6 35.5 -81.2 35.8	1.24614 0.843 -88.2 68.0 38.6 32.6 28.4 5.51766 3- 4 1.25647 C.836 -89.7 68.1 38.6 33.3 28.2 2.90862 4- 5
6 -10.998 -20.329 128.23718 -52.2 10.7	-81.3 36.1	1.23211 0.854 -89.7 67.9 40.8 31.4 25.8 5.58348 5-6
7 -10.910 -20.347 127.30369 -53.8 10.6	-80.7 35.9	1.22319 0.860 -88.4 67.9 40.8 30.7 26.0 2.74186 6- 7
	TAB NO	135 ATLAS PHOTO NO 135 POD SEQUENCE NO 924
JULY 31,1964 13 HR 25 MIN _2.SEC 215 MS	SEC TO IMPACT	ALT LAT LON R V PTH AZ
		108.71446 -9.936 -22.108 1844.170 2.551 -65.145 115.028
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A* U/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.943 -20.252 126.71546 -54.2 10.9	-60.9 35.8	1.21762 0.846 -89.0 68.0 39.7 32.0 27.1 0. 1-2 1.20166 0.861 -88.4 67.8 40.8 30.6 26.0 3.16852 2-3
4-10.892 -20.169 127.49667 -56.1 11.2	-80.6 35.5	1.22449 0.843 -88.2 08.0 30.0 32.0 20.7 3.72121 3 7
5 -10.984 -20.149 128.48654 -54.4 11.3	-81.2 35.8	
6 -10.992 -20.333 126.00050 -52.2 10.7 7 -10.905 -20.351 125.08357 -53.8 10.6	-81.3 36.1 -80.7 35.9	1.21062 0.854 -69.7 67.9 40.8 31.4 25.8 5.48582 5- 6 1.20186 0.861 -88.4 67.8 40.8 30.6 26.0 2.69395 6- 7
, 200,005		
	TAB NO	136 ATLAS PHOTO NO 136 POD SEQUENCE NO 925
JULY 31,1964 13 HR 25 MIN 3 SEC 55 MS		
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON R V PTH AZ
TRAJECTORY DATA	SEC TO 1MPACT 45.744	ALT LAT LON R V PTH AZ 1C6.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9	SEC TO IMPACT 45.744	ALT LAT LON R V PTH AZ 1C6.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 1.19619 C.848 - 89.0 67.9 39.7 32.0 27.1 0. 1-2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -33.8 10.6	SEC TO 1MPACT 45.744 AZSUN AZA -80.9 35.8 -80.7 35.9	ALT LAT LON R V PTH AZ 1C6.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1 - 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -33.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3	SEC TO IMPACT 45.744 AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8	ALT LAT LON R V PTH AZ 1C6.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A. BJA AZPHAZ INCD PHAZ ENIS ALPHA SCALE PT-PT 1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2 1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 3.11208 2-3 1.20323 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4 1.21221 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.464558 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -22.2 10.7	SEC TO IMPACT 45.744 A/SUN AZA -80.9 35.8 -80.0 35.5 -81.2 35.8 -81.3 36.1	ALT LAT LON R V PTH AZ 106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2 1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 3.11208 2-3 1.20323 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4 1.21261 0.856 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5 1.18912 0.854 -89.7 67.9 40.8 31.4 25.8 5.38813 5-6
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46658 -54.2 10.9 3 -10.900 -20.355 122.86201 -33.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3	A7 SUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9	ALT LAT LON R V PTH AZ 106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PI-PT 1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2 1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 3.11208 2-3 1.20323 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4 1.21261 0.836 -89.7 68.0 38.6 32.6 28.4 5.32471 3-4 1.18051 0.851 -89.7 67.9 40.8 31.4 25.8 5.38813 5-6 1.18912 0.854 -89.7 67.9 40.8 31.4 25.8 5.38813 5-6 1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.64605 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.70240 -22.2 10.7	SEC TO IMPACT 45.744 A/SUN AZA -80.9 35.8 -80.0 35.5 -81.2 35.8 -81.3 36.1	ALT LAT LON R V PTH AZ 106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PI-PT 1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2 1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 3.11208 2-3 1.20323 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4 1.21261 0.836 -89.7 68.0 38.6 32.6 28.4 5.32471 3-4 1.18051 0.851 -89.7 67.9 40.8 31.4 25.8 5.38813 5-6 1.18912 0.854 -89.7 67.9 40.8 31.4 25.8 5.38813 5-6 1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.64605 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZN 2 -10.937 -20.257 124.464558 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.966 -20.337 123.76240 -52.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6	SEC TO IMPACT 45.744  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO	ALT LAT LON R V PTH AZ  1C6.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ ENIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20223 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4  1.21261 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18912 0.854 -89.7 67.9 40.8 31.4 25.8 5.38613. 5-6  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.64605 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46658 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA	AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO	ALT LAT LON R V PTH AZ 106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ ENIS ALPHA SCALE PT-PT 1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2 1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3 1.20223 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4 1.21261 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5 1.18912 0.854 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5 1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.64605 6-7 137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ 104.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LUN RANGE AZS/C AZN	SEC TO IMPACT 45.744  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO	ALT LAT LON R V PTH AZ  106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20223 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4  1.21261 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 31.4 25.8 5.38611 5-6  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.64605 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31,1964 13 HR Z5 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZS/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.5 3 -10.996 -20.358 120.63962 -53.8 10.6	AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8	ALT LAT LON R V PTH AZ  106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20223 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4  1.21221 0.854 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18912 0.854 -89.7 67.9 40.8 31.4 25.8 5.38813 5-6  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.64605 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  14.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZS/C AZN 2 -10.992 -20.263 122.21287 -54.2 10.5 3 -10.896 -20.338 120.63962 -53.8 10.6 4 -10.883 -20.183 122.96599 -56.1 11.2	AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -80.7 35.9	ALT LAT LON R V PTH AZ  106.77C16 -9,948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20323 0.843 -88.2 68.0 38.6 33.3 28.2 2.80708 4-5  1.12121 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.46405 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  104.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.181916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.181916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.181916 0.861 -88.2 68.0 38.6 32.6 28.4 5.22815 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZS/C AZN 2 -10.932 -20.263 122.86201 -53.8 10.6 4 -10.883 -20.183 122.96599 -56.1 11.2 5 -10.972 -20.144 123.96599 -56.1 11.2 5 -10.972 -20.144 123.92007 -54.5 11.3	AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -80.7 35.9	ALT LAT LON R V PTH AZ  106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20323 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4  1.21261 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 25.0 2.46005 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  104.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.1816 0.863 -88.2 68.0 38.6 32.6 28.4 5.22815 3-4  1.19067 0.836 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5  1.19067 0.836 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5  1.16710 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA PHOTO DATA PT LAT LUN RANGE AZS/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.5 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.883 -20.183 122.96599 -56.1 11.2	AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -80.3 35.8 -80.3 35.8 -80.3 35.8 -80.3 35.8 -80.3 35.8	ALT LAT LON R V PTH AZ  106.77C16 -9,948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20323 0.843 -88.2 68.0 38.6 33.3 28.2 2.80708 4-5  1.12121 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.46405 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  104.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.181916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.181916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.181916 0.861 -88.2 68.0 38.6 32.6 28.4 5.22815 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.918 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.990 -20.355 122.86201 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZS/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.3 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.883 -20.183 122.96599 -56.1 11.2 5 -10.972 -20.164 123.92007 -54.5 11.2 6 -10.980 -20.351 121.52346 -52.2 10.3 7 -10.896 -20.358 120.63962 -53.8 10.6	AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TG IMPACT 44.904  AZSUN AZA -80.9 35.8 -80.6 35.5 -81.2 35.8	ALT LAT LON R V PTH AZ  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.1208 2-3  1.20223 0.843 -89.2 68.0 38.6 32.6 28.4 5.32471 3-4  1.21221 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 3.811208 2-3  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.6005 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  1.44.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.18146 0.843 -68.2 68.0 38.6 32.6 28.4 5.2815 3-4  1.19067 0.836 -89.7 68.0 38.6 32.6 28.4 5.2815 3-4  1.19067 0.836 -89.7 68.0 38.6 32.6 28.4 5.2815 3-4  1.19067 0.836 -89.7 68.0 38.6 32.6 28.4 5.29041 5-6  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A25/C AZN 2 -10.937 -20.257 124.46658 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.990 -20.355 122.86201 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZ5/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.5 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.883 -20.183 122.92007 -54.5 11.5 5 -10.972 -20.164 123.92007 -54.5 11.5 6 -10.990 -20.358 120.63962 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 4 SEC 735 MS	AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.3 36.1 -80.7 35.9  TAB NO	ALT LAT LON R V PTH AZ  106.77C16 -9,948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20323 0.843 -88.2 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.46405 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  104.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.18166 0.863 -88.2 68.0 38.6 33.3 28.2 2.75606 4-5  1.18071 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6  1.16761 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A25/C AZN 2 -10.937 -20.257 124.46658 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZS/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.5 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.883 -20.183 122.9207 -54.5 11.3 5 -10.972 -20.164 123.92007 -54.5 11.3 6 -10.980 -20.351 120.63962 -53.8 10.6 JULY 31,1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA	SEC TO IMPACT 45.744  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -60.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.3 36.1 -80.7 35.9	ALT LAT LON R V PTH AZ  106.77C16 -9,948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20323 0.843 -88.2 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.46405 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  104.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.18166 0.863 -88.2 68.0 38.6 33.3 28.2 2.75606 4-5  1.18071 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6  1.16761 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A25/C AZN 2 -10.937 -20.257 124.46658 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.990 -20.355 122.86201 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZ5/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.5 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.883 -20.183 122.9207 -54.5 11.3 5 -10.972 -20.164 123.92007 -54.5 11.3 5 -10.996 -20.358 120.63962 -53.8 10.6 JULY 31,1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZ5/C AZN TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZ5/C AZN PHOTO DATA PT LAT LON RANGE AZ5/C AZN PHOTO DATA PT LAT LON RANGE AZ5/C AZN PLATA LON RANGE AZ5	SEC TO IMPACT 45.744  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO	ALT LAT LON R V PTH AZ 106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2 1.18051 0.801 -86.4 67.8 40.8 30.6 26.0 3.1208 2-3 1.2023 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4 1.21261 0.836 -89.7 68.0 38.6 33.3 28.2 2.80768 4-5 1.18051 0.801 -88.4 67.8 40.8 30.6 26.0 2.64065 6-7 137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LON R V PTH AZ 104.82561 -9.960 -22.057 1840.281 2.553 -65.111 115.019  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2 1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3 1.1816 0.863 -88.2 68.0 38.6 33.3 28.2 2.75606 4-5 1.18067 0.836 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5 1.18067 0.836 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5 1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3 1.1816 0.861 -88.7 68.0 38.6 33.3 28.2 2.75606 4-5 1.15916 0.861 -88.7 68.0 38.6 33.3 28.2 2.75606 4-5 1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3 1.1816 0.861 -88.7 68.0 38.6 33.3 28.2 2.75606 4-5 1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 5-7 1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 5-7 1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 5-7 1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 5-7 1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 5-7 1.15916 0.861 -88.4 67.8 40.8 30.6 25.0 25.9805 6-7 1.15916 0.861 -88.4 67.8 40.8 33.3 28.2 2.75606 4-5 1.15916 0.861 -88.4 67.8 40.8 30.6 25.0 25.9805 6-7 1.15916 0.861 -88.4 67.8 40.8 30.6 25.0 25.9805 6-7 1.15916 0.861 -88.4 67.8 40.8 30.6 25.0 25.9805 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.97 -20.257 124.46458 -54.2 10.9 3 -10.990 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.990 -20.355 122.86201 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.5 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.883 -20.183 122.96599 -56.1 11.2 5 -10.972 -20.164 123.92007 -54.5 11.2 6 -10.980 -20.358 120.63962 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.986 -20.358 120.63962 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.927 -20.268 119.95955 -54.2 10.7	SEC TO IMPACT 45.744  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -80.7 35.9 -80.6 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO	ALT LAT LON R V PTH AZ  106.77C16 -9,948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.20323 0.843 -88.2 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.46405 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  1.17455 0.846 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.18064 0.843 -889.0 67.9 39.7 32.0 27.1 0. 1-2  1.19067 0.836 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5  1.19067 0.836 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5  1.1916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.1816 0.843 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5  1.1916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927  ALT LAT LON R V PTH AZ  1.15210 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -52.2 10.7 7 -10.990 -20.355 122.86201 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZS/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.6 4 -10.883 -20.183 122.86201 -53.8 10.6 4 -10.883 -20.183 122.9259 -56.1 11.2 5 -10.972 -20.164 123.92007 -54.5 11.2 6 -10.980 -20.358 120.63962 -53.8 10.6 JULY 31.1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.980 -20.358 120.63962 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.927 -20.268 119.95955 -554.2 10.6 3 -10.891 -20.362 119.95955 -54.2 10.6	SEC TO IMPACT 45.744  A7SUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.004  AZSUN AZA -80.9 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.004	ALT LAT LON R V PTH AZ  106.77C16 -9.948 -22.082 1842.225 2.552 -65.128 115.024  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.801 -86.4 67.8 40.8 30.6 26.0 3.11208 2-3  1.2023 0.843 -88.2 68.0 38.6 32.6 28.4 5.32471 3-4  1.21261 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.801 -88.4 67.8 40.8 30.6 26.0 2.64005 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LON R V PTH AZ  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.1816 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.1816 0.863 -88.2 68.0 38.6 33.3 28.2 2.75606 4-5  1.18051 0.8061 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.1816 0.863 -88.2 68.0 38.6 33.3 28.2 2.75606 4-5  1.1816 0.863 -88.2 68.0 38.6 33.3 28.2 2.75606 4-5  1.1816 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.1816 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.1816 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.1816 0.864 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.15916 0.861 -88.4 67.8 40.8 30.5 22.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.15916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.15926 0.848 -89.7 67.9 40.8 31.4 25.8 5.2586 6.094 115.014  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.12288014 -9.972 -22.031 1838.335 2.554 -65.094 115.014  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  1.13779 0.861 -88.4 67.8 40.8 30.6 26.0 2.99910 2-3  1.11596 0.861 -88.4 67.8 40.8 30.6 26.0 2.99910 2-3  1.11596 0.861 -88.4 67.8 40.8 30.6 26.0 2.99910 2-3  1.11596 0.861 -88.4 67.8 40.8 30.6 26.0 2.99910 2-3  1.11596 0.861 -88.4 67.8 40.8 30.6 26.0 56.0 5.99910 2-3  1.11596 0.861 -88.4 67.8 40.8 30.6 26.0 56.0 5.99910 2-3  1.11596 0.861 -88.4 67.8 40.8 30.6 26.0 56.0 56.0 5.99910 2-3  1.11596 0.861 -88.4 67.8 40.8 30.6 26.0 56.0 56.0 5.99910 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -522.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZS/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.3 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.883 -20.183 122.9259 -56.1 11.5 5 -10.972 -20.164 123.92007 -54.5 11.5 6 -10.980 -20.358 120.63962 -53.8 10.6 7 -10.896 -20.358 120.63962 -53.8 10.6  JULY 31.1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.896 -20.358 120.63962 -53.8 10.6 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.899 -20.362 184.415363 -55.5 11.5 5 -10.927 -20.268 19.95955 -54.2 10.5 3 -10.891 -20.362 184.1553 -53.8 10.6 4 -10.879 -20.190 120.69863 -56.1 11.5 5 -10.9766 -20.171 121.63881 -56.5 11.6	SEC TO IMPACT 45.744  A7SUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.004  AZSUN AZA -80.9 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.004	ALT LAT LON R V PTH AZ  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.1208 2-3  1.20223 0.843 -89.7 68.0 38.6 32.6 28.4 5.32471 3-4  1.21261 0.836 -89.7 68.0 38.6 32.6 28.4 5.32471 3-4  1.21261 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.64605 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 60.8 36.6 32.6 28.4 5.32813 3-4  1.19067 0.836 -89.7 68.0 38.6 33.3 28.2 2.85066 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.18146 0.843 -88.2 68.0 38.6 32.6 24.4 5.22815 3-4  1.19067 0.836 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5  1.15761 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6  1.15761 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6  1.157916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927  1 ALT LAT LON R V PTH AZ  1.15280 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15716 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927  1 ALT LAT LON R V PTH AZ  1.15280 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.157916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.13779 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.13779 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.13779 0.861 -88.4 67.8 40.8 30.6 26.0 2.59910 2-3  1.15968 0.843 -88.2 68.0 38.6 32.6 28.4 5.13154 3-4  1.15968 0.843 -88.2 68.0 38.6 32.6 28.4 5.13154 3-4  1.15968 0.843 -88.2 68.0 38.6 33.2 28.2 2.75513 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.937 -20.257 124.46458 -54.2 10.9 3 -10.900 -20.355 122.86201 -53.8 10.6 4 -10.888 -20.176 125.23172 -56.1 11.2 5 -10.978 -20.156 126.20371 -54.5 11.3 6 -10.986 -20.337 123.76240 -522.2 10.7 7 -10.900 -20.355 122.86201 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 3 SEC 895 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN RANGE AZS/C AZN 2 -10.932 -20.263 122.21287 -54.2 10.5 3 -10.896 -20.358 120.63962 -53.8 10.6 4 -10.883 -20.183 122.9267 -54.5 11.5 5 -10.972 -20.164 123.92007 -54.5 11.5 5 -10.996 -20.358 120.63962 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.980 -20.358 120.63962 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.980 -20.358 120.63962 -53.8 10.6  JULY 31,1964 13 HR 25 MIN 4 SEC 735 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.927 -20.268 119.95955 -54.2 10.5 3 -10.891 -20.362 114.1553 -35.8 10.6 4 -10.879 -20.190 120.69863 -56.1 11.5 5 -10.976 -20.171 121.43681 -56.5 11.1	AZSUN AZA -80.9 35.8 -80.7 35.9 -80.0 35.5 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.904  AZSUN AZA -80.9 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 44.064  AZSUN AZA -80.9 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 35.9 -81.2 35.8 -81.3 36.1 -80.7 35.9  TAB NO  SEC TO IMPACT 35.9 -81.2 35.8 -81.3 36.1 -80.7 35.9 -81.8 336.1	ALT LAT LON R V PTH AZ  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.19619 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.18051 0.861 -86.4 67.8 40.8 30.6 26.0 3.1208 2-3  1.20223 0.843 -89.7 68.0 38.6 32.6 28.4 5.32471 3-4  1.21261 0.836 -89.7 68.0 38.6 32.6 28.4 5.32471 3-4  1.21261 0.836 -89.7 68.0 38.6 33.3 28.2 2.80708 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 2.64605 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAT LCN R V PTH AZ  1.17455 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15916 0.861 -88.4 67.8 60.8 36.6 32.6 28.4 5.32813 3-4  1.19067 0.836 -89.7 68.0 38.6 33.3 28.2 2.85066 4-5  1.18051 0.861 -88.4 67.8 40.8 30.6 26.0 3.05561 2-3  1.18146 0.843 -88.2 68.0 38.6 32.6 24.4 5.22815 3-4  1.19067 0.836 -89.7 68.0 38.6 33.3 28.2 2.75606 4-5  1.15761 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6  1.15761 0.854 -89.7 67.9 40.8 31.4 25.8 5.29041 5-6  1.157916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927  1 ALT LAT LON R V PTH AZ  1.15280 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.15716 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927  1 ALT LAT LON R V PTH AZ  1.15280 0.848 -89.0 67.9 39.7 32.0 27.1 0. 1-2  1.157916 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.13779 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.13779 0.861 -88.4 67.8 40.8 30.6 26.0 2.59805 6-7  1.13779 0.861 -88.4 67.8 40.8 30.6 26.0 2.59910 2-3  1.15968 0.843 -88.2 68.0 38.6 32.6 28.4 5.13154 3-4  1.15968 0.843 -88.2 68.0 38.6 32.6 28.4 5.13154 3-4  1.15968 0.843 -88.2 68.0 38.6 33.2 28.2 2.75513 4-5

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					TAB NO	120	2A ITA	PHOTO	NO	130	POD 9	EQUENCE NO	029
JULY 31,1964 13 HR	25 MIN 5	SEC 575	MS		IAD IN	139	AILAS	rnoio	IVO	135	FOD S	SEQUENCE NO	720
			-										
TRAJECTURY DATA				SEC TO		ALT	LAT	LON		R.	. ¥		AZ
PHOTO DATA					224	100.93437	-9.98	+ -22.0	JU5	1836.390	2.555	-65.078 11	5.009
PT LAT LON 2 -10.921 -20.274 3 -10.886 -20.366	RANGE	AZS/C	AZN	AZ SUN	AZA	A+	8/A A	ZPHAZ I	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 -10.921 -20.274	117.70535	-54.2	10.9	-80.9	35.8	1.13123	0.849	-89.0 6	67.9	39.7 31.9	27.1	2.94259 5.03491	.12
3 -10.886 -20.366	116.19074	-53.8	10.6	-80.7	35.9	1.11641	0.861 -	-88.4 6	67.8	40.8 30.6	26.0	2.94259	2- 3
4 -10.874 -20.197 5 -10.960 -20.178	119.34866	-56.5	11.1	-80.6 -81.2	35.B	1.14675	0.843	-88.2 6	58.0	38.6 32.5	. 28.4.	. 5.03491_	_34
6 -10.967 -20.350_	117.04150	-52.2	10.7	-81.2 -81.3	36.1				67.9	38.6 33.3 40.8 31.4	25.8	2.65421 5.09478	5-6
7 -10.886 -20.366	116.19074	~53.8	10.6	-80.7		1.11641				40.8 30.6		2.50214	
			_		TAB NO	140	471.40	BUOTO		140	200		
JULY 31,1964 13 HR	25 975 4	CCC 41E			IAB NU	140	A1LA5	РНОТО	NU	140	PUU :	SEQUENCE NO	929
30E1 31,1964 13 HK	29 MIN. Q.	366 413	.ns_										
TRAJECTORY DATA				SEC TO	IMPACI	ALT	LAT.	LON	N_	R	٧		AZ
					384	98.98769	~9.99	6 -21.9	979	1834.443	2.556	-65.061 11	5.005
PHOTO DATA PT LAT LCN	RANGE					. A.				iii			
	115,44955	AZ3/L	10 0	AZ SUN	AZA 25 o		C RAO .	ZPHAZ 1	INCD	PHAZ EMIS 39.7 31.9	ALPHA	SCALE O.	_12
3 -10.882 -20.370	113.96430	-53.8	10.6	-80.7	35.9	1.09502	0.861	-88.4 (	67.8	40.8 30.6	26.0	2.88604	2- 3
4 -10.870 -20.204	116.16051	-56.l	11.1	-80.5	35.5	1.11608	0.843	-88.2	68.0	38.6 32.5	28.4	4.93820	3- 4
5 -10.954 -20.186			11.3		35 • 8	1.12477	C.836 ·	-89.7 (	68.C	38.6 33.3	28.2	2.60319	
6 -10.961 -20.354	114.79847		.10.7	-81.3	36.1					40.8 31.4		4.99691	5- 6
7 -10.882 -20.370	113.96430	-53.8	10.6	-80.7	35.9	1.09502	0.861	-88.4	67.8	40.8 30.6	26.0	2.45403	6- 7
					TAB NO	141	ATLAS	PHOTO	NO	141	POD S	SEQUENCE NO	930
JULY 31,1964 13 HR	25 MIN . 7_	SEC 255	_MS									•	
TRAJECTORY DATA					IMPACT 545	ALT 97.04076	LAT	L 01		R	V	PTH -65.044 11	AZ
PHOTO DATA				41.	.545	97.04076	-10.00	0 -21.	400	1032.490	4.771	-65.044 11	5.000
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A =	B/A A	ZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 -10.911 -20.285	113.19291 111.73697	-54.2	10.9	-80.9	_35_B	_1.08786	0.849	-89.0	67.9	39.7 31.9	27.1	0.	1- 2
3 -10.877 -20.374	111.73697	-53.9	10.6	-80.7	35.9	1.07362	0.861	-88.4	67.8	40.8 30.6	26.0	2.82950	
4 -10.865 -20.211 5 -10.948 -20.193	113.88984 114.77234		11.1	80.5		1.09426	0.843			38.6 32.5		4.84149	
6 -10.955 -20.358			11.3	-81.2 -81.3 -80.7	36-1	1.10278		-89.7 (	67.R	38.6 33.3 40.8 31.4	25.8	2.55216 4.89900	5- 6
7 -10.877 -20.374	111 72407	63.0			30.0					,0.0 52		2 40402	7 "
1 -10.011 -20.514	111.73697	-23.9	10.6	-80.7	35.9	1.07362	0.861	-88.4	67.8	40.8 30.6	26.0	2.40603	6- 7
7 -10.877 -20.374	111.13641	->>.9	10.6							40.8 30.6		2.40603	
					TAB NO			-88.4 (				SEQUENCE NO	
JULY 31,1964 13 HR													
				SEC TO	TAB NO	142 AL T	ATLAS	PHOTO	NO N	142 R	POD S	SEQUENCE NO	931 AZ
JULY 31,1964 13 HR TRAJECTORY DATA	25 MIN 8			SEC TO	TAB NO	142	ATLAS	PHOTO	NO N	142 R	POD S	SEQUENCE NO	931 AZ
JULY 31,1964 13 HR TRAJECTORY DATA	25 MIN 8	SEC 95	hc	SEC TO	IMPACT	ALT 95.09291	ATLAS	PHOTO LOT 0 -21.5	<b>NO</b> N 927	R 1830.548	POD \$	PTH65.027 11	931 AZ 4-995
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON	25 MIN 8	SEC 95	μe Δ7N	SEC TO 40.	IMPACT	ALT 95.09291	LAT -10.02	PHOTO LOI 0 -21.	NO N 927 INCD	R 1830.548 PHAZ EMIS	POD S	PTH65.027 11	931 AZ 4.995 PT-PT
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON	25 MIN 8	SEC 95	μe Δ7N	SEC TO 40.	IMPACT	ALT 95.09291 A* 1.06616	LAT -10-02 B/A A	PHOTO  LOI 0 -21.9 ZPHAZ -89.0	NO N 927 INCD 67.9	R 1830.548 PHAZ EMIS 39.7 31.9	POD S 2.558 ALPHA 27.1	PTH -65.027 11	931 AZ 4.995 PT-PT
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218	RANGE 110.93467 109.50809 111.61753	AZS/C -54.2 -53.9 -56.1	AZN 10.9 10.6	AZSUN -80.9 -80.7 -80.5	TAB NO  IMPACT .705  AZA 35.8 35.9 35.5	ALT 95.09291 A+ 1.06616 1.05220 1.07243	ATLAS  LAT -10-C2  B/A A 0.849 0.861 0.843	PHOTO  LOI 0 -21.  ZPHAZ -89.0 -88.4 -88.2	NO N 927 INCD 67.9 67.8 68.0	R 1830.548 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5	POD S 2.558 ALPHA 27.1 26.0 28.4	PTH -65.027 11  SCALE 0. 2.77290 4.74469	931 AZ 4.995 PT-PT 1- 2 2- 3 3- 4
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201	RANGE 110.93467 109.50809 111.61753 112.48214	AZS/C -54.2 -53.9 -56.1 -54.5	AZN 10.9 10.6 11.1	AZSUN -80.9 -80.7 -80.5 -81.2	TAB NO  IMPACT .705  AZA 35.8 35.9 35.5 35.8	ALT 95.09291 A* 1.06616 1.05220 1.07243 1.08077	B/A A 0.849 0.861 0.843 0.836	PHOTO  LOI 0 -21.  ZPHAZ -89.0 (-88.4 -88.2 -89.7 (-89.7)	NO N 927 INCD 67.9 67.8 68.0 68.0	R 1830.548 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3	POD S 2.558 ALPHA 27.1 26.0 28.4 28.2	PTH -65.027 11 SCALE 0. 2.77290 4.74469 2.50114	931 AZ 4.995 PT-PT 1- 2 2- 3 3- 4 4- 5
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362	RANGE 110.93467 109.50809 111.61753 112.48214 110,30920	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2	AZN 10.9 10.6 11.1 11.2	AZSUN -80.9 -80.7 -80.5 -81.2 -81.3	TAB NO  IMPACT .705  AZA 35.8 35.9 35.5 35.8 36.1	ALT 95.09291 A+ 1.06616 1.05220 1.07243 1.08077 1.05986	B/A A 0.849 0.861 0.843 0.836 0.854	PHOTO  LOI 0 -21.  ZPHAZ -89.0 -88.4 -88.2 -89.7 -89.7	NO 927 INCD 67.9 67.8 68.0 68.0	R 1830.548 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 31.4	POD S 2.558 ALPHA 27.1 26.0 28.4 28.2 25.8	PTH -65.027 11 SCALE 0. 2.77290 4.74469 2.50114 4.80103	931 AZ 4.995 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201	RANGE 110.93467 109.50809 111.61753 112.48214	AZS/C -54.2 -53.9 -56.1 -54.5	AZN 10.9 10.6 11.1	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3	TAB NO  IMPACT .705  AZA 35.8 35.9 35.5 35.8 36.1 35.9	ALT 95.09293 A* 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220	B/A A 0.849 0.861 0.843 0.836 0.854 C.861	PHOTO  LOR 0 -21.*  ZPHAZ -89.0 ( -88.4 ( -88.2 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.8 ( -89.	NO N 927 INCD 67.9 67.8 68.0 67.8 67.8	R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 4C.8 31.4 40.8 30.6	POD S 2.558 ALPHA 27.1 26.0 28.4 28.2 25.8 26.0	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802	931 AZ 4.995 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2	AZN 10.9 10.6 11.1 11.2 10.7	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3	TAB NO  IMPACT .705  AZA 35.8 35.9 35.5 35.8 36.1	ALT 95.09293 A* 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220	B/A A 0.849 0.861 0.843 0.836 0.854 C.861	PHOTO  LOI 0 -21.  ZPHAZ -89.0 -88.4 -88.2 -89.7 -89.7	NO N 927 INCD 67.9 67.8 68.0 67.8 67.8	R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 4C.8 31.4 40.8 30.6	POD S 2.558 ALPHA 27.1 26.0 28.4 28.2 25.8 26.0	PTH -65.027 11 SCALE 0. 2.77290 4.74469 2.50114 4.80103	931 AZ 4.995 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2	AZN 10.9 10.6 11.1 11.2 10.7	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3	TAB NO  IMPACT .705  AZA 35.8 35.9 35.5 35.8 36.1 35.9	ALT 95.09293 A* 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220	B/A A 0.849 0.861 0.843 0.836 0.854 C.861	PHOTO  LOR 0 -21.*  ZPHAZ -89.0 ( -88.4 ( -88.2 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.7 ( -89.8 ( -89.	NO N 927 INCD 67.8 67.8 68.0 67.8	R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 4C.8 31.4 40.8 30.6	POD S 2.558 ALPHA 27.1 26.0 28.4 28.2 25.8 26.0	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802	931 AZ 4.995 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2	AZN 10.9 10.6 11.1 11.2 10.7	AZ SUN -80.9 -80.5 -81.2 -81.3 -80.7	TAB NO  IMPACT.705  AZA 35.8 35.9 35.8 36.1 35.9  TAB NO	ALT 95.09291 A* 1.06616 1.05220 1.07243 1.08077 1.105986 1.05220 1143	ATLAS  LAT 1 -10.02  B/A A 0.849 0.861 0.843 0.836 0.836 0.854 C.861  ATLAS	PHOTO  LDI 0 -21.*  ZPHAZ -89.0 (-88.4 (-88.2 (-89.7 (-99.7 (-89.7 (-89.7 (-89.7 (-89.7 (-89.7 (-99.	NO 927 INCD 67.9 67.8 68.0 68.0 67.8 67.8	R 1830-548 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 4C.8.31.4 40.8 30.6	POD \$  V	PTH -65.027 11 SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802 SEQUENCE NO	931 AZ 4.995 PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7 932
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2	AZN 10.9 10.6 11.1 11.2 10.7	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	AZA 35.8 35.9 35.8 36.1 35.9	ALT 95.09291 A+ 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143	ATLAS  LAT -10.C2  B/A A 0.849 0.861 0.843 0.836 0.836 0.836 0.836 ATLAS	PHOTO  LOT 0 -21.*  ZPHAZ -69.0 (-88.4 (-88.2 (-89.7 (-99.7 (-89.	NO 927 INCD 67.9 67.8 68.0 68.0 67.8 NO	142 R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 40.8 30.6 143	POD \$ 2.558 ALPHA 27.1 26.0 28.4 28.2 25.8 26.0 POD \$	PTH -65.027 11 SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802 SEQUENCE NO	931  AZ 4.995  PT-PT 1- 2 2- 3 3- 4- 5 5- 6 6- 7 932
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8	AZS/C 95  AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9  SEC 935	AZN 10.9 10.6 11.1 11.2 10.7 10.6	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	TAB NO  IMPACT .705  AZA 35.8 35.9 35.5 35.8 36.1 35.9 TAB NO	ALT 95.09291 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143	ATLAS  LAT -10.C2  B/A A 0.849 0.861 0.843 0.836 0.854 C.861 ATLAS	PHOTO  LOID 0 -21.*  ZPHAZ -89.0 (-88.4 (-89.7 (-89	NO 927 INCD 67.9 67.8 68.0 68.0 67.8 NO	142 R 1830.546 PHAZ EMIS 99.7 31.9 40.8 30.6 38.6 32.5 38.6 32.5 38.6 33.3 40.8 30.6 143	POD \$  V	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802 SEQUENCE NO	931  AZ 4.995  PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7  932  AZ 4.990  PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8	AZS/C -54.2 -53.9 -56.1 -54.2 -53.9 SEC 935	AZN 10.9 10.6 11.1 11.2 10.7 10.6	AZ SUN -80.9 -60.7 -80.5 -81.2 -80.7	TAB NO  IMPACT .705  AZA .35.8 .35.9 .35.9  TAB NO  IMPACT .865  AZA .35.8	ALT 95.09291 A* 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 53.14476 A* 1.04445	B/A A C.849  LAT -10.C2  B/A A C.849 0.861 0.843 0.835 C.861  ATLAS	PHOTO  LOI 0 -21.*  ZPHAZ -89.0 -88.4 -88.2 -88.2 -89.7 -89.7 -89.4  PHOTO  LCI 2 -21.*  ZPHAZ -89.0	NO N 927 INCD 67.9 67.8 68.0 68.0 67.8 NO NO	142 R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 30.6 143 R 1828.600 PHAZ EMIS 39.7 31.9	POD \$  V 3 2.558  ALPHA 27.1 26.0 28.4 28.2 25.8 26.0 POD \$  V 2.559  ALPHA 27.1	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.881033 2.35802 SEQUENCE NO  PTH -65.010 11  SCALE 0.	931  AZ 4.995  PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 932  AZ 4.990  PT-PT 1- 2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.967 -20.296 3 -10.867 -20.381	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 935	AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS	AZ SUN -80.9 -80.5 -81.2 -80.7 SEC TO 39 AZ SUN -80.9 -80.9 -80.9 -80.9 -80.9 -80.9	AZA 35.8 35.9 35.8 36.1 35.9 TAB NO  IMPACT  AZA 35.8 36.1 35.9 TAB NO	ALT 95.09291  A.6 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 53.14476 A. 1.04445 1.04445	LAT -10.C2  B/A 0.849 0.861 0.836 0.836 0.836 0.855 LAT -10.03  B/A A C.849 C.861	DHOTO  LOT 0 -21.*  ZPHAZ -88.4 -88.2 -88.2 -89.7 -89.7 -89.7 -89.7  LOT 2 -21.*  ZPHAZ -89.0 -88.4	NO N 927 INCD 67.9 67.8 68.0 68.0 67.8 NO NO INCD 67.9	142 R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 32.5 38.6 33.3 40.8 30.6 143 R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6	POD \$  2.558  ALPHA 27.1 26.0 28.4 28.2 25.8 26.0  POD \$  V 2.559  ALPHA 27.1 26.0	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802 SEQUENCE NO PTH -65.010 11 SCALE 0. 2.71622	931  AZ 4.995  PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7 932  AZ 4.990  PT-PT 1- 2 2- 3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.807 -20.381 4 -10.856 -20.226	RANGE 110.93467 109.50809 111.61753 112.48214 110.20920 109.50809 25 MIN 8	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 935	AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS	SEC TU 40.  AZ SUN -80.9 -80.5 -81.2 -81.3 -80.7  SEC TU 39  AZ SUN -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.5 -81.2	TAB NO  IMPACT.705  AZA 35.8 35.9 35.8 36.1 35.9 TAB NO  IMPACT.865  AZA 35.8 35.8 35.8 35.9	ALT 95.09291  A* 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 53.14476 1.04445 1.03078 1.05059	B/A A 0.849 0.861 0.843 0.854 C.861 ATLAS	DHOTO  LOT 0 -21.*  ZPHAZ -88.4 -88.2 -88.2 -89.7 -89.7 -89.7 -89.7  LOT 2 -21.*  ZPHAZ -89.0 -88.4	NO N 927 INCD 67.9 67.8 68.0 68.0 67.8 NO NO INCD 67.9	142 R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 32.5 38.6 33.3 40.8 30.6 143 R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6	POD \$  V 2.558  ALPHA 27.1 26.0 28.4 28.2 25.8 26.0 POD \$  V 2.559  ALPHA 27.1 26.0 28.4	PTH -65.027 11  SCALE 0. 2.77290 4.77469 2.50114 4.20103 2.35802  SEQUENCE NO  PTH -65.010 11  SCALE 0. 2.71622 4.46788	931  AZ 4.995  PT-PT 1- 2 2- 3 3- 4- 5 6- 7 932  AZ 4.990  PT-PT 1- 2 2- 3 3- 4- 3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296 3 -10.867 -20.381 4 -10.856 -20.226 5 -10.935 -20.208 6 -10.942 -20.366	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8 RANGE 108.67550 107.27827 109.34433 110.19104	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 935 AZS/C -54.2 -53.9 -56.1 -54.5 -53.9	AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS	AZ SUN -80.5 -81.2 -80.7 -80.5 -81.2 -80.7 -80.5 -81.2 -80.7	TAB NO  IMPACT  AZA 35.8 35.9 35.5 35.8 36.1 35.9 TAB NO  IMPACT .865  AZA 35.8 35.8 36.1 35.9	ALT 95.09291  A* 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 53.114476 1.03078 1.05059 1.03078 1.05059 1.05876 1.03828	ATLAS  LAT -10.C2  8/A A 0.849 0.861 0.843 0.836 0.856 ATLAS  LAT -10.03 8/A A C.849 C.861 0.643 C.836 0.856 0.856 0.850 0.850 0.850 0.850 0.850 0.850	PHOTO  O -21.*  ZPHAZ -89.0 -88.4 -89.7 -88.2 -89.7 -89.7 -89.4 -89.0 -84.4 -89.0 -88.4 -89.7 -89.7 -89.7 -89.7 -89.7	NO N 927 INCD 67.9 67.9 67.8 68.0 68.0 NO N 901 INCD 67.9 67.8 68.0 67.8 68.0 68.0	R 1830.548 PHAZ EMIS 99.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 30.6 143 R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3	POD \$  2.558  ALPHA 27.1 26.0 28.4 28.2 25.8 26.0  POD \$  V 2.559  ALPHA 27.1 26.0	PTH -65.027 11 SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802 SEQUENCE NO PTH -65.010 11 SCALE 0. 2.71622 4.64788 2.45011 4.70303	931  AZ 4.995  PT-PT 1-2 2-3 4-5 6-7 932  AZ 4.990  PT-PT 1-2 2-3 3-4 5-5 5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296 3 -10.867 -20.381 4 -10.856 -20.206 5 -10.935 -20.208	25 MIN 8  RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8  RANGE 108.67550 107.27827 109.34433 110.19104	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 935	AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS	SEC TU 40.  AZ SUN -80.9 -80.5 -81.2 -81.3 -80.7  SEC TU 39  AZ SUN -80.9 -80.9 -80.9 -80.9 -80.9 -80.9 -80.5 -81.2	TAB NO  IMPACT  AZA 35.8 35.9 35.5 35.8 36.1 35.9 TAB NO  IMPACT .865  AZA 35.8 35.8 36.1 35.9	ALT 95.09291  A.6 1.06616 1.05220 1.07243 1.08077 1.055986 1.05220 143  ALT 53.14476  A.6 1.04445 1.03078 1.05059	ATLAS  LAT -10.C2  8/A A 0.849 0.861 0.843 0.836 0.856 ATLAS  LAT -10.03 8/A A C.849 C.861 0.643 C.836 0.856 0.856 0.850 0.850 0.850 0.850 0.850 0.850	PHOTO  O -21.*  ZPHAZ -89.0 -88.4 -89.7 -88.2 -89.7 -89.7 -89.4 -89.0 -84.4 -89.0 -88.4 -89.7 -89.7 -89.7 -89.7 -89.7	NO N 927 INCD 67.9 67.9 67.8 68.0 68.0 NO N 901 INCD 67.9 67.8 68.0 67.8 68.0 68.0	R 1830.548 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 30.6 143 R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6 39.7 31.9 40.8 30.6 38.6 32.5 39.7 31.9	POD \$  V 2.558  ALPHA 27.1 26.0 28.4 28.2 25.8 26.0  POD \$  V 2.559  ALPHA 27.1 26.0 28.4 28.2	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802 SEQUENCE NO PTH -65.010 11  SCALE 0. 2.71622 4.64788 2.45011	931  AZ 4.995  PT-PT 1-2 2-3 4-5 6-7 932  AZ 4.990  PT-PT 1-2 2-3 3-4 5-5 5-6
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.967 -20.381 4 -10.856 -20.226 5 -10.935 -20.208 6 -10.942 -20.366 7 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA	Z5 MIN 8  RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8  RANGE 108.67550 107.27827 109.34433 110.19104 108.06283 107.27827	AZS/C -54.2 -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 935 AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9	AZN 10.9 10.6 MS AZN 10.9 10.6 MS AZN 10.9 10.6 MS AZN 10.9 10.6 MS MS MS MS	SEC TO 40.7 -80.9 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.5 -81.2 -80.7 -80.5 -81.2 -80.7 -80.5 -81.2 -80.7 -80.5 -81.2 -80.7 -80.5 -80.7	TAB NO  IMPACT.705  AZA 35.8 35.9 35.8 36.1 35.9 TAB NO  IMPACT.865  AZA 35.8 35.9 35.8 36.1 35.9 TAB NO	ALT 95.09291 A. 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143 ALT 53.14476 A. 1.04445 1.03078 1.05676 1.03828 1.03078	ATLAS  LAT -10-C2  B/A 0.849 0.861 0.849 0.863 0.836 0.856 C.861  ATLAS  ATLAS	PHOTO  LOID 0 -21.*  ZPHAZ -89.0 -88.4 -89.7 -88.4 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -88.2 -89.7 -88.4 -88.2	NO N 927 INCD 67.9 67.8 667.8 668.0 67.8 NO N 901 INCD 67.9 667.8 667.8 67.8 NO	142 R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 30.6 143 R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6 39.7 31.9 40.8 30.6 39.6 33.3 40.8 30.6 143	POD S  2.558  ALPHA 27.1 26.0 28.4 28.2 25.8 26.0  POD S  4 PHA 27.1 26.0 28.4 26.0 POD S	PTH -65.027 11  SCALE 0. 2.77290 4.77469 2.50114 4.88103. 2.35802 SEQUENCE NO  PTH -65.010 11 SCALE 0. 2.71622 4.46788 2.45011 4.70303 2.30982 SEQUENCE NO	931  AZ 4.995  PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7  932  AZ 4.990  PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7  933
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296 6 -10.942 -20.381 4 -10.856 -20.226 5 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  TRAJECTORY DATA	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8 RANGE 108.67550 107.27827 109.34433 110.19104 108.06283 107.27827	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 935 AZS/C -54.2 -53.9 -56.1 -54.5 -53.9 SEC 775	AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS AZN 11.2 10.7 10.6 MS AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS	SEC TO 40.7 -80.9 -80.7 -80.5 -81.2 -80.5 -81.3 -80.7 SEC TO 39 -80.5 -81.3 -80.5 -81.3 -80.5 -81.3 -80.7 -80.5 -81.3 -80.7	TAB NO  IMPACT .705  AZA 35.8 35.9 35.8 36.1 35.9  TAB NO  IMPACT .865  AZA 35.8 36.1 35.9  TAB NO	ALT 95.09291  A. 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 53.14476  A. 1.04445 1.03078 1.050576 1.03828 1.03078 1.44	ATLAS  LAT -10-C7  B/A 0.849 0.864 0.843 0.836 0.856 C.861  ATLAS  LAT 6-10.03  B/A C.864 C.861 ATLAS	PHOTO  LOID 0 -21.  ZPHAZ -89.0 -88.4 -89.7 -88.4 : PHOTO  LOID 2 -21.  ZPHAZ -89.0 -88.4 : PHOTO  LOID 3 -88.4 -88.2 -89.7 -88.4 : PHOTO	NO N 927 INCD 67.8 667.8 668.0 667.8 NO N 901 INCD 967.8 667.8 NO NO NO NO NO NO NO NO NO NO NO NO NO	R 1830.548 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 30.6 143  R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 39.7 31.9 40.8 30.6 144  R 1826.651	POD 5  V 2-558 ALPHA 26-0 POD 5  V 2-559 ALPHA 27-1 26-0 POD 5  V 2-559  V 2-559  V 2-559  V 2-559	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802 SEQUENCE NO  PTH -65.010 11  SCALE 0. 2.71622 4.64788 2.45011 4.70303 2.30982  SEQUENCE NO	931  AZ 4.995  PT-PT 1-2 2-3 3-4 4-5 6-7 932  AZ 4.990  PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 933  AZ 4.985
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296 6 -10.942 -20.381 4 -10.856 -20.226 5 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  TRAJECTORY DATA	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8 RANGE 108.67550 107.27827 109.34433 110.19104 108.06283 107.27827	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 935 AZS/C -54.2 -53.9 -56.1 -54.5 -53.9 SEC 775	AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS AZN 11.2 10.7 10.6 MS AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS	SEC TO 40.0 AZ SUN 9-80.7 -80.	TAB NO  IMPACT.705  AZA 35.8 35.9 35.9 36.1 35.9 TAB NO  IMPACT.865  AZA 35.8 35.9 TAB NO  IMPACT.865  AZA 35.8 36.1 35.9 TAB NO	ALT 95.09291  A* 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 93.14476 1.05059 1.05676 1.05876 1.05876 1.03078 144  ALT 91.19584	ATLAS  LAT -10.C7  8/A 0.849 0.864 0.854 C.861 ATLAS  LAT -10.03 8/A C.849 C.861 0.643 C.836 0.854 C.861 ATLAS	PHOTO  O -21.*  ZPHAZ -89.0 -88.4 -89.7 -88.2 -89.7 -89.7 -89.4	NO N 927 INCD 67.8 668.0 667.8 NO N 901 INCD 9667.8 668.0 67.8 67.8 NO NO NO NO NO NO NO NO NO NO	R 1830.548 PHAZ EMIS S 9.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 31.4 40.8 30.6 143  R 1828.600 PHAZ EMIS S 39.7 31.9 40.8 30.6 144  R 1826.651 PHAZ EMIS	POD \$ 2.5588 ALPHA 28.2 25.8 ALPHA 26.0 POD \$ 2.5599 ALPHA 26.0 POD \$ 2.5599 ALPHA 26.2 25.8 26.0 POD \$ 2.5599 ALPHA 28.2 25.8 26.0 POD \$ 2.5599 ALPHA 25.0 POD \$	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802  SEQUENCE NO  PTH -65.010 11  SCALE 0. 2.71622 4.64788 2.45011 4.70303 2.30982  SEQUENCE NO	931  AZ 4.995  PT-PT 1-2 2-3 3-4 4-5 6-7  932  AZ 4-900  PT-PT 1-2 2-3 4-5 5-6 6-7  933  AZ 4-985
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296 6 -10.956 -20.206 7 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.396 7 -10.867 -20.381	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8  RANGE 108.67550 107.27827 109.34433 110.19104 108.06283 107.27827	AZS/C -54.2 -53.9 SEC 775  AZS/C -54.2 -53.9 SEC 775	AZN 10.9 10.6 MS AZN 10.9 10.6 MS AZN 10.7 10.6	SEC TU  AZ SUN 9 -80.9 -80.5 -81.2 -81.3 -80.7  SEC TO 39  AZ SUN 80.9 -80.7 -80.5 -81.2 -81.3 -80.7	TAB NO  IMPACT. 705  AZA 35.8 35.9 35.8 36.1 35.9 TAB NO  IMPACT. 865  AZA 35.8 36.9 5.8 35.8 36.1 35.9 TAB NO	ALT 95.09291  A* 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 53.14476 1.05059 1.05876 1.03078 1.05079 1.03828 1.03078 144	ATLAS  LAT -10.C2  8/A A 0.849 0.861 0.836 0.836 0.836 C.861 ATLAS  LAT -10.03  8/A A 0.849 0.861 ATLAS	PHOTO  O -21.*  ZPHAZ -89.0 -88.4 -89.7 -88.4 -89.7 -89.0 -88.4 -89.7 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -89.7 -88.4 -89.7 -89.7 -88.4 -89.7 -99.7 -89.7 -99.7 -89.7 -99.7 -89.7 -9	NO N 927 INC D 67.8 8 668.0 667.8 8 NO N 901 INC D 967.8 8 NO N 974 INC D 967.8 8 NO	R 1830.548 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 4C.8 31.4 40.8 30.6 143  R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6 144  R 1826.655 PHAZ EMIS 39.7 31.9 40.8 30.6	POD \$  V 2.558  ALPHA 27.1 26.0  POD \$  V 2.559  ALPHA 27.1 26.0  POD \$  V 2.559  ALPHA 27.1 26.0  POD \$	PTH -65.027 11 SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802 SEQUENCE NO  PTH -65.010 11 SCALE 0. 2.71622 4.45011 4.70303 2.30982 SEQUENCE NO	931  AZ 4.995  PT-PT 1-2 2-3 3-4 4-5 5-6-6-7  932  AZ 4.990  PT-PT 1-2 3-4 4-5 5-6-7  933
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296 6 -10.942 -20.366 7 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.906 -20.208 6 -10.942 -20.366 7 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.994 -20.302 3 -10.894 -20.302 3 -10.894 -20.303 3 -10.863 -20.3385 4 -10.852 -20.233	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8  RANGE 108.67550 107.27827 109.34433 110.1916 108.06283 107.27827 25 MIN 9	AZS/C -54.2 -53.9 SEC 935  AZS/C -54.2 -53.9 SEC 935  AZS/C -54.2 -53.9 SEC 775	AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS AZN 10.9 10.6 11.1 10.7 10.6 MS AZN 10.9 10.6 11.1 10.7 10.6 MS	SEC TO 40.7 -80.9 -80.7 -80.5 -81.3 -80.7 -80.5 -81.3 -80.7 -80.5 -81.3 -80.7 -80.5 -81.3 -80.7 -80.5 -81.3 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7	TAB NO  IMPACT .705  AZA 35.8 35.9 35.5 35.8 36.1 35.9  TAB NO  IMPACT .865  AZA 35.8 36.1 35.9  TAB NO	ALT 95.09291  A. 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 53.14476 1.05059 1.05676 1.03078 1.05676 1.03078 1.05059 1.05676 1.03828 1.03078	ATLAS  LAT -10.C7  B/A A 0.849 0.861 0.836 0.836 0.836 0.836 0.836 ATLAS  LAT -10.03  B/A A C.849 C.861 ATLAS  LAT -10.03  B/A A C.849 C.861  ATLAS	PHOTO  O -21.*  ZPHAZ -69.0 -88.4 -89.7 -88.2 -89.7 -88.4 -89.7 -89.0 -88.4 -89.7 -89.0 -88.4 -89.7 -89.0 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4	NO N 927 INCD 67.9 68.0 66.0 67.8 80 1 NCD 67.8 67.8 NO N 901 INCD 67.9 66.0 67.9 67.9 67.9 67.8 NO NO NO NO NO NO NO NO NO NO	R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 30.6 143  R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6 31.4 40.8 30.6 144  R 1826.651 PHAZ EMIS 39.7 31.9 40.8 30.6 144	POD \$  V 2.5588  ALPHA 27.1  26.0  POD \$  V 2.5599  ALPHA 27.1  26.0  POD \$  V 2.5599  ALPHA 26.2  Z 5.8  ALPHA 26.2  Z 5.8  ALPHA 26.2  Z 5.8  Z 7.1  Z 6.0  POD \$	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.88103. 2.35802 SEQUENCE NO  PTH -65.010 11  SCALE 0. 2.71622 4.45011 4.70303 2.30982 SEQUENCE NO  PTH -64.993 11  SCALE 0. 2.55959 4.555101	931  AZ 4,995  PT-PT 1-2 2-3 3-4 5-6-7  932  AZ 4,990  AZ 4,990  AZ 4,990  AZ 4,990  PT-PT 1-2 2-3 3-4 4-5 5-6-7  933  AZ 3-3 3-3 3-3 3-3 3-3 3-3 3-3 3-3 3-3 3-
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296 6 -10.935 -20.208 6 -10.935 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.900 -20.296 6 -10.935 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.994 -20.366 7 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.994 -20.302 3 -10.863 -20.305 4 -10.863 -20.385 4 -10.852 -20.2335 5 -10.929 -20.216	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8  RANGE 108.67550 107.27827 109.34433 110.19104 108.06283 107.27827 25 MIN 9	AZS/C -54.2 -53.9 SEC 935  AZS/C -54.5 -52.2 -53.9 SEC 775  AZS/C -54.5 -52.2 -53.9 SEC 775	AZN 10.9 10.6 MS AZN 10.9 10.6 11.1 11.2 10.7 10.6 11.1 11.2 10.7 10.6 11.1 11.2 10.7 10.6 11.1 11.2 10.7 10.6 MS	SEC TU  AZ SUN 9 -80.7 -80.5 -81.2 -81.3 -80.7  SEC TO 39  AZ SUN 9-80.7 -80.9 -80.7 -81.2 -81.2 -81.3 -80.7	TAB NO  IMPACT .705  AZA .35.8 .35.9 .35.8 .36.1 .35.9  TAB NO  IMPACT .865  AZA .35.8 .35.8 .36.1 .35.9  TAB NO  IMPACT .85.8 .36.1 .35.9  TAB NO  IMPACT .85.8 .83.9 .	ALT 95.09291  A. 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 53.14476  A. 1.04445 1.03078 1.05676 1.03828 1.03078 1.41  ALT 91.19589	ATLAS  LAT -10-C2  B/A 0.849 0.861 0.849 0.861 0.843 C.861 ATLAS  LAT -10-03  B/A AC.849 0.864	PHOTO  LOID 0 -21.*  ZPHAZ -89.0 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -89.7 -88.4 -88.2 -89.7 -88.4 -88.2 -89.7 -88.4 -88.2 -89.7 -88.4 -88.2 -89.7 -88.4 -88.2	NO N 927 INC D 67.8 68.0 667.8 68.0 667.8 NO N 901 INC D 67.9 667.8 NO N NO N NO N NO N NO N NO N NO N NO	R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 30.6 143 R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6 39.6 33.3 40.8 30.6 144 R 1826.651 PHAZ EMIS 39.7 31.9 40.8 30.6 144	POD \$  V 2.558  ALPHA 27.1 26.0  POD \$  V 2.559  ALPHA 27.1 26.0  V 2.559  ALPHA 27.1 26.0  POD \$	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.80103 2.35802  SEQUENCE NO  PTH -65.010 11  SCALE 0. 2.71622 4.64788 2.45011 4.70303 2.30982  SEQUENCE NO  PTH -64.993 11  SCALE 0. 2.55959 4.55101 2.39909	931  AZ 4.995  PT-PT 1-2 2-3 3-4 4-5 6-7  932  AZ 4.990  PT-PT 1-2 2-3 4-5 6-7  933  AZ 4.985
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.905 -20.291 3 -10.872 -20.378 4 -10.861 -20.218 5 -10.942 -20.201 6 -10.948 -20.362 7 -10.872 -20.378  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.900 -20.296 6 -10.942 -20.366 7 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.906 -20.208 6 -10.942 -20.366 7 -10.867 -20.381  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.994 -20.302 3 -10.894 -20.302 3 -10.894 -20.303 3 -10.863 -20.3385	RANGE 110.93467 109.50809 111.61753 112.48214 110.30920 109.50809 25 MIN 8  RANGE 108.67550 107.27827 25 MIN 9  RANGE 108.06281 107.27827 107.0437 107.06972 107.06972 107.06972 107.06972 107.06972 107.06972 107.06972 107.06972 107.06972	AZS/C -54.2 -53.9 SEC 935  AZS/C -54.5 -52.2 -53.9 SEC 935	AZN 10.9 10.6 11.1 11.2 10.7 10.6 MS AZN 10.9 10.6 MS AZN 10.9 10.6 11.1 11.2 10.7 10.6 11.1 10.6 11.1 10.6 11.1 10.6 11.1 10.6 11.1 10.6 11.1 11.2 10.6 11.1 11.2 11.2 10.6 11.1 11.2 11.2 10.6 11.1 11.2 11.2 10.6 11.1 11.2 10.6 11.1 11.2 10.6 11.1 11.2 10.6 11.1 11.2 10.6 11.1 11.2 10.6 11.1 11.2 10.6 11.1 11.2 10.6 11.1 11.2 11.2 11.2 11.2 11.2 11.2 11	SEC TU  AZ SUN 9 -80.7 -80.5 -81.2 -81.3 -80.7  SEC TO 39  AZ SUN 9-80.7 -80.9 -80.7 -81.2 -81.2 -81.3 -80.7	TAB NO  IMPACT .705  AZA .35.8 .35.9 .35.9 .35.9 .35.9 TAB NO  IMPACT .865  AZA .35.8 .35.9 .35.9 TAB NO  IMPACT .025  TAB NO  IMPACT .025  AZA .35.8 .36.1 .35.9 .35.8 .36.1 .35.9 .35.8 .36.1 .35.9 .35.8 .36.1	ALT 95.09291  A. 1.06616 1.05220 1.07243 1.08077 1.05986 1.05220 143  ALT 93.14476 1.05059 1.05676 1.03678 1.05079 1.05676 1.03828 1.03078  ALT 91.19589	ATLAS  LAT -10.C7  B/A A 0.849 0.861 0.836 0.836 0.836 0.836 0.836 0.836 0.836 0.836 0.836 0.836 0.836 0.836 0.849 0.861 ATLAS	PHOTO  O -21.*  ZPHAZ -89.0 -88.4 -98.7 -88.2 -89.7 -89.0 -88.4 -9	NO N 927 INCD 667.98 68.00 667.8 NO N 901 INCD 67.99 667.8 NO N 1 INCD 67.9 667.8 NO N 1 INCD 67.9 667.8 NO	R 1830.546 PHAZ EMIS 39.7 31.9 40.8 30.6 38.6 32.5 38.6 33.3 40.8 30.6 143  R 1828.600 PHAZ EMIS 39.7 31.9 40.8 30.6 31.4 40.8 30.6 144  R 1826.651 PHAZ EMIS 39.7 31.9 40.8 30.6 144	POD \$  V 2.558  ALPHA 27.1 26.0  POD \$  V 2.559  ALPHA 27.1 26.0  V 2.559  ALPHA 27.1 26.0  POD \$	PTH -65.027 11  SCALE 0. 2.77290 4.74469 2.50114 4.88103. 2.35802 SEQUENCE NO  PTH -65.010 11  SCALE 0. 2.71622 4.45011 4.70303 2.30982 SEQUENCE NO  PTH -64.993 11  SCALE 0. 2.55959 4.555101	931  AZ 4.995  PT-PT 1-2 2-3 3-4 4-5 6-7  932  AZ 4.990  PT-PT 1-2 2-3 4-5 6-7  933  AZ 4.985

				wa	RA-VII	CAMERA	Pl,								25
JULY 31,196	64 13 HR	25 MIN 10	SEC 615	MS .		TAB NO		ATLAS	PHOTO	NO	145		POD S	EQUENCE N	934 -
TRAJECTOR	Y DATA .				SEC 10 38.	1 <u>MPACI</u> . 185	89.24664	LAI	6 -21	.848	182	4.702	2.562	_PIH -64.976 1	14.980
PHOTO DATA	A	0.4405	47646					044 4	701147	THE	D			SCALE	
PHOTO DAIL PT LAT 2 -10.889 3 -10.858	-20.308	104.15342	-54.2	10.9	-80.9	35.8	1.00099	C.849	-89.0	67.9	39.7	31.9	27.1	0.	1- 2
3 -10.858	-20.389	102.81490	-53.9	10.6	-80.7	35.8	0.98789	0.861	-88.4	67.8	40.8	30.6	26.0	2.60295	2- 3
4 -10.847 5 -10.923	-20.270	104.79412 105.60507	- 20 1	T T C T	-00.5	. 22.2	1.00687	U • U ¬ ¬	-00.2	40.0	2010	2202		4.45410 2.34807	4- 5
6 -10.930		103.56637		10.6	-81.2 -81.3	36.1	0.99507	0.854	-89.7	67.8	40.8	31.3	25.8	4.50687	5- A
7 -10.858	-20.389	102.81490	-53.9	10.6	-80.7	35.8	0.98789	0.861	-88.4	67.8	40.8	30.6	26.0	2.21360 EQUENCE N	
JULY 31,19	64 13 HR	25 MIN 11'	SEC 455	MS		TAB NO	140	AILAS	<b>РНОТО</b>	NO	140		rob s	EQUENCE II	0 333
													v	PTH	AZ
TRAJECTOR					37.	345	87.2965	-10.06	58 -21	.822	182	R 2.752		-64.958 1	
PHOTO DAT	A LON	RANGE	A75/6	A 7 N	A Z S LIN	A 7 A	۸.	B / A .	. 70447	LNCD	DHA7	EMIS	AL PHA	SCALE	PT-PT
2 -10.884	-20.313	RANGE 101.89037	-54.2	10.9	-80.9	35.8	A. 0.97924	0.849	-89.0	67.9	39.7	31.9	27.1	0.	1- 2
3 -10.853	-20.393	100.58121	-53.9	10.6	-80.7	35.8	0.96643	0.861	-88.4	67.8	40.8	30.6	20.0	2.54623	
4 -10.843 5 -10.917		102.51701	-56-1	-11-1	-80.5 -81.2	35.5	0.98499	0.844	-88.2.	67.9	38.6.	32.5	28.1	4.35714 2.29684	
6 -10.923	-20.231	101.31612	-52.2	10.6	-81.3	36.1	0.97345	0.854	-89.7	67.8	40.8	31.3	25.8	4.40873	
7 -10.853	-20.393	100.58121	-53.9	10.6	-80.7	35.8	0.96643		-88.4	67.8	40.8	30.6	26.0	2.16539	6- 7
						TAB NO	147	ATLA:	S PHOTO	NO (	147		POD S	SEQUENCE N	0 936
- JATA - 31*13	64 <u>13 HR</u>	25 MIN 12	SEC 295												
TRAJECTOR	Y DATA				SEC TO	IMPACT 505	ALT 85.3460	LAT 2 -10.08	80 -21	ON .795	182	K 0.801	V 2.564	PTH -64.941 1	AZ 14.971
PHOTO DAT	A														
PT LAT _ 2 -10.878	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A. C. 05.74.9	8/A /	AZPHAZ	INCD	PHAZ	EMIS	27.1	SCALE O.	1- 2
3 -10.848	-20.319	98.34647	-53.9	10.6	-80.7	35.8	0.94496	0.861	-88.4	67.8	40.8	30.6	26.0	2.48950	2- 3
4 -10.838	-20.254	100.23883	-56.1	11.1	-80.5	35.5	0.96310	0.844	-88.4 -88.2	67.9	38.6	32.5	28.3	4.26014	3- 4
		101-01401	-54.5	11.2	-81.2		0.97058	0.837	-69.7	68.0	38.6	33.2	28.1	2.24572 4.31055	4- 5 5- 6
6 -10.917 7 -10.848	-20.383 -20.397	99.06484 98.34647	-52.2 -53.9	10.6	-81.3 -80.7	35.8	0.93102		-88.4	67.8	40.8	30.6	26.0	2.11718	6- 7
						TAB NO	-		S PHOTO					SEQUENCE N	N 937 .
										, 110	7-40				
JULY 31,19	64 13 HR	25 MIN 13	SEC 135	MS		IAB NO	140	AID.							0 337
JULY 31,19		25 MIN 13	SEC 135		SEC TO	IMPACT	AL T	LAT	ı	.ON	101	R	٧	PTH	AZ
TRAJECTOR	Y DATA				SEC TO		AL T	LAT 6 -10.0	L 92 -21	.769	181	8.850	V 2.565	PTH -64.924 1	AZ 14.966
TRAJECTORPHOTO DAT PT LAT	Y DATA	RANGE	AZS/C	AZN	SEC TO 35	IMPACT	ALT 83.3947	LAT 6 -10.0	L 92 -21 AZPHAZ	.769 [NC	181 PHAZ	8.850 EMIS	2.565	PTH -64.924 1	AZ 14.966
TRAJECTOR  PHOTO DAT  PT LAT  2 -10.873	Y DATA  LCN -20-325	RANGE	AZS/C	AZN	SEC TU 35 AZ SUN -80.9	IMPACT .665 AZA 35.8	ALT 83.3947 A* C.93570	LAT 6 -10.0	92 -21 AZPHAZ -89.0	.769 INCE 67.9	181 PHAZ 39.7	8.850 EMIS 31.9	2.565 ALPHA 27.1	PTH -64.924 1	AZ 14.966
TRAJECTORPHOTO DAT PY LAT 2 -10.873 3 -10.844	LCN -20.325 -20.401	RANGE 97.36071 96.11029	AZS/C -54.2 -53.9	AZN 10.9 10.6	SEC TU 35 AZ SUN -80.9	IMPACT .665 AZA 35.8	ALT 83.3947 A. C.93570 0.92347	B/A 0.849	92 -21 AZPHAZ -89.0 -88.4	.769 INCE 67.9	181 PHAZ 39.7	EMIS 31.9 30.6	V 2.565 ALPHA 27.1 26.0	PTH 5-64.924 1 SCALE 0. 2.43278	AZ 14.966 PT-PT 1- 2
TRAJECTOR  PHOTO DAT  PT LAT  2 -10.873  3 -10.844  4 -10.834	Y DATA  LCN -20-325	RANGE	AZS/C -54.2 -53.9 -56.1	AZN 10.9 10.6	SEC TU 35 AZ SUN -80.9 -80.7 -80.5	IMPACT	ALT 83.3947 A* C.93570 C.92347 C.94120 O.94851	B/A 0.849 0.861 0.844 0.837	P2 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7	.769 ENCE 67.9 67.8 67.8	181 9 PHAZ 39.7 40.8 38.6 38.6	EMIS 31.9 30.6 32.5 33.2	V 2.565 ALPHA 27.1 26.0 28.3 28.1	PTH -64.924 1 SCALE 0. 2.43278 4.16309 2.19469	AZ 14.966 PT-PT 1- 2 3 2- 3 3 3- 4
TRAJECTOR  PHOTO DAT  PY LAT  2 -10.873  3 -10.844  4 -10.834  5 -10.904  6 -10.911	LCN -20.325 -20.401 -20.261 -20.246 -20.388	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2	AZN 10.9 10.6 11.1 11.2	SEC TO 35 AZ SUN -80.9 -80.5 -81.2 -81.3	AZA 35.8 35.8 35.8 35.8	ALT 83.3947 A. C.93570 C.92347 C.94120 C.94851 C.93018	B/A 0.849 0.861 0.844 0.837 0.854	L 92 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7 -89.7	.769 INCE 67.9 67.8 67.9	181 PHAZ 39.7 40.8 38.6 38.6	EMIS 31.9 30.6 32.5 33.2 31.3	V 2.565 ALPHA 27.1 26.0 28.3 28.1 25.8	PTH 5-64.924 1 SCALE 0. 2.43278 4.16309 2.19469 4.21232	AZ 14.966 PT-PT 1-2 3-3-4 3-4-5 2-5-A
TRAJECTOR  PHOTO DAT PY LAT 2 -10.873 3 -10.844 4 -10.834 5 -10.904	LCN -20.325 -20.401 -20.261 -20.246	RANGE 97.36071 96.11029 97.95921 98.71652	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2	AZN 10.9 10.6 11.1 11.2	SEC TU 35 AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	AZA 35.8 35.8 35.5 35.5 35.8	ALT 83.3947 A.C.93570 0.92347 0.94120 0.94851 0.92347	B/A 0.849 0.861 0.844 0.837 0.854 0.861	92 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7 -89.7	.769 ENCE 67.9 67.8 67.8 67.8	181 9 PHAZ 9 39.7 40.8 9 38.6 9 38.6 9 40.8	EMIS 31.9 30.6 32.5 33.2 31.3	2.565 ALPHA 27.1 26.0 28.3 28.1 25.8 26.0	PTH -64.924 1 SCALE 0. 2.43278 4.16305 2.19465 4.21232 2.06907	AZ 14.966 PT-PT 1-2 3 2-3 3 3-4 4-5 2 5-6 7 6-7
TRAJECTOR  PHOTO DAT 2 -10.873 3 -10.844 4 -10.834 5 -10.904 6 -10.911 7 -10.844	LCN -20.325 -20.401 -20.246 -20.388 -20.401	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9	AZN 10.9 10.6 11.1 11.2 10.6	SEC TU 35 AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	AZA 35.8 35.8 35.8 35.8	ALT 83.3947 A. C.93570 0.92347 0.94120 0.94851 0.92347	B/A 0.849 0.861 0.844 0.837 0.854 0.861	L 92 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7 -89.7	.769 ENCE 67.9 67.8 67.8 67.8	181 9 PHAZ 9 39.7 40.8 9 38.6 9 38.6 9 40.8	EMIS 31.9 30.6 32.5 33.2 31.3	2.565 ALPHA 27.1 26.0 28.3 28.1 25.8 26.0	PTH 5-64.924 1 SCALE 0. 2.43278 4.16309 2.19469 4.21232	AZ 14.966 PT-PT 1-2 3 2-3 3 3-4 4-5 2 5-6 7 6-7
TRAJECTOR  PHOTO DAT PT LAT 2 -10.873 3 -10.844 4 -10.834 5 -10.901 7 -10.844  JULY 31.19	LCN -20.325 -20.401 -20.261 -20.246 -20.388 -20.401	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9	AZN 10.9 10.6 11.1 11.2 10.6 10.6	SEC TO 35 AZSUN -80.9 -80.5 -81.2 -81.3 -80.7	IMPACT .665 AZA 35.8 35.8 35.5 35.8 36.1 35.8 TAB NO	ALT 83-3947 A• C.93570 0.92347 C.94120 0.94851 0.93018 0.92347	B/A 0.849 0.861 0.844 0.837 0.854 0.861	L 92 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7 -89.7 -88.4 S PHOTO	.769 INCE 67.9 67.8 67.9 68.0 67.8	181 9 PHAZ 39.7 40.8 38.6 38.6 40.8 40.8	EMIS 31.9 30.6 32.5 33.2 31.3	V 2.565 ALPHA 27.1 26.0 28.3 28.1 25.8 26.0	PTH 5-64.924 1 SCALE 0. 2.43278 4.16309 2.19469 2.06907 SEQUENCE N	AZ 14.966 PT-PT 1-2 3 2-3 3 3-4 4-5 7 6-7
TRAJECTOR  PHOTO DAT PT LAT 2 -10.873 3 -10.844 4 -10.834 5 -10.901 7 -10.844  JULY 31.19	LCN -20.325 -20.401 -20.261 -20.246 -20.388 -20.401	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974	AZN 10.9 10.6 11.1 11.2 10.6	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	IMPACT .665  AZA .35.8 .35.5 .35.8 .36.1 .35.8 TAB NO	ALT 83-3947 A• C.93570 0.92347 C.94120 0.94851 C.93018 0.92347	B/A 6 -10.0° 8/A 0.849 0.861 0.844 0.837 0.854 0.861 ATLA	92 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7 -89.7 -88.4 S PHOTO	.769 INCE 67.9 67.8 67.8 67.8 0 NO	181 PHAZ 39.7 40.8 38.6 38.6 40.8 40.8	EMIS 31.9 30.6 32.5 33.2 31.3 30.6	V 2.565 ALPHA 27.1 26.0 28.3 28.1 25.8 26.0 POD	PTH 5-64.924 1 SCALE 0. 2.43278 4.16309 2.19469 2.06907 SEQUENCE N	AZ 14-966 PT-PT 1-2 3 2-3 3 3-4 9 4-5 7 6-7 10 938
TRAJECTOR  PHOTO DAT PT LAT 2 -10.873 3 -10.844 4 -10.834 5 -10.901 7 -10.844  JULY 31.19	LCN -20.325 -20.401 -20.261 -20.246 -20.388 -20.401	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974	AZN 10.9 10.6 11.1 11.2 10.6	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	IMPACT .665  AZA .35.8 .35.5 .35.8 .36.1 .35.8 TAB NO	ALT 83-3947 A• C.93570 0.92347 C.94120 0.94851 C.93018 0.92347	LAT 6 -10.0' 0.849 0.861 0.837 0.854 0.861 ATLA	92 -21 AZPHAZ -89.0 -89.4 -88.2 -89.7 -89.7 -89.7	.769 INCE 67.5 67.8 67.8 67.8 67.8 0 NO	181 9 PHAZ 3 39-7 1 40-8 9 38-6 9 38-6 1 40-8 1 40-8	EMIS 31.9 30.6 32.5 33.2 31.3 30.6	V 2.565  ALPHA 27.1 26.0 28.3 28.1 25.8 26.0 POD	PTH -64.924 1 SCALE 0. 2.43278 4.16309 2.19466 4.21232 2.06901 SEQUENCE N	AZ 14.966 PT-PT 1-2 3 2-3 3 3-4 5 4-5 7 6-7 4O 938 AZ 114.961 PT-PT
TRAJECTOR  PHOTO DAT PT LAT 2 -10.873 3 -10.844 4 -10.834 5 -10.901 7 -10.844  JULY 31.19	LCN -20.325 -20.401 -20.261 -20.246 -20.388 -20.401	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974	AZN 10.9 10.6 11.1 11.2 10.6	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	IMPACT .665  AZA .35.8 .35.5 .35.8 .36.1 .35.8 TAB NO	ALT 83.3947 Ae C.93570 C.92347 C.94120 O.94851 G.93018 O.92347 149 ALT 81.4432 Ae 0.91392	B/A 0.849 0.861 0.837 0.854 0.861 ATLA LAT 5 -10.1	92 -21 AZPHAZ -89.0 -89.4 -88.2 -89.7 -89.7 -88.4 S PHOTO	.769 INCE 67.5 67.6 67.6 67.6 0 NO	181 PHAZ 39.7 40.8 38.6 38.6 38.6 40.8 40.8	EMIS 31.9 30.6 32.5 33.2 31.3 30.6 R 16.899	V 2.565  ALPHA 27.1 26.0 28.3 28.1 25.8 26.0  POD:  V 2.566  ALPHA 27.1	PTH 5 -64.924 1  SCALE 0. 2.43274 4.16309 2.19465 4.2123 2.0690 SEQUENCE N  PTH 5 -64.907	PT-PT 1- 2 3 2 - 3 3 - 4 4 - 5 2 5 - A 7 6 - 7 40 938
TRAJECTOR  PHOTO DAT PT LAT 2 -10.873 3 -10.844 4 -10.834 5 -10.904 6 -10.911 7 -10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAT 2 -10.867 3 -10.867	LCN -20.325 -20.401 -20.246 -20.318 -20.401 -20.401 -20.401 -20.401 -20.401 -20.401 -20.401 -20.331 -20.405	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974	AZN 10.9 10.6 11.1 11.2 10.6	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	IMPACT .665  AZA .35.8 .35.5 .35.8 .36.1 .35.8 TAB NO	ALT 83.3947 C.93570 0.92347 C.94120 0.94851 0.92347 149 ALT 81.4432 Ae 0.91392 C.90197	B/A 0.861 0.864 0.884 0.837 0.861 ATLA LAT 5 -10.1 B/A 0.861	92 -21  AZPHAZ -89.0 -88.4 -89.7 -89.7 -88.4  S PHOTO  AZPHAZ -89.0 -88.4	.769 INCE 67.5 67.6 67.6 67.6 0 NO .CN 1.742 INCI 67.6 67.6	181 PHAZ 39.7 40.8 38.6 38.6 38.6 40.8 149 180 PHAZ 39.7 340.8	EMIS 31.9 30.6 32.5 33.2 31.3 30.6 R16.899	V 2.565  ALPHA 27.1 26.0 28.3 28.1 25.8 26.0 POD:	PTH 5 -64.924 1  SCALE 0. 2.43278 4.16309 2.1946 4.2123 2.06909  SEQUENCE N 5 -64.907  SCALE 0. 2.37601	AZ 14.966 PT-PT 1-2 3-3-3-3-4-5 5-5-6-7 60-7 60-938 AZ 114.961 PT-PT 1-2 2-3-3
TRAJECTOR  PHOTO DAT PT LAT 2 -10.873 3 -10.844 4 -10.834 5 -10.904 6 -10.911 7 -10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAT 2 -10.867 3 -10.867	LCN -20.325 -20.401 -20.246 -20.318 -20.401 -20.401 -20.401 -20.401 -20.401 -20.401 -20.401 -20.331 -20.405	RANGE 97.36071 96.11029 97.95921 98.7162 96.81212 96.11029 125 MIN 13 RANGE 95.09428 93.87322 95.67872	AZS/C -54.2 -53.9 -50.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9	AZN 10.9 10.6 11.1 11.2 10.6 10.6 MS	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7  SEC TO 34  AZ SUN -80.9 -80.7 -80.7 -80.5	AZA 35.8 35.8 35.8 35.8 36.1 35.8 36.1 35.8 TAB NO  IMPACT 825  AZA 35.8 35.8 35.8	ALT 83.3947 Ae C.93570 C.94120 C.94120 C.94851 C.93018 C.92347 149 ALT 81.4432 C.90197 C.90197	LAT 6 -10.0° B/A 0.864 0.861 0.835 0.861 ATLA 5 -10.1 B/A 0.849 0.869	PACE NO. 1 PROCESS OF THE PROCESS OF	.769 INCE 67.5 67.5 68.6 67.6 67.6 0 NO	181 PHAZ 39.7 40.8 38.6 38.6 40.8 149 180 PHAZ 39.7 3 40.8 9 38.6	EMIS 31.9 30.6 32.5 33.2 31.3 30.6 R 16.899 EMIS 31.9 30.6 32.5	V 2.565  ALPHA 27.1 26.0 28.3 28.1 25.8 26.0 POD : V 2.566  ALPHA 27.1 26.0 26.3	PTH -64.924 1 SCALE 0. 2.43278 4.16309 2.19469 2.06901 SEQUENCE N PTH S-64.907 SCALE 0. 2.37600 4.00600	AZ 14.966 PT-PT 1-2 3-3-4 4-5 7-6-7 40 938 AZ 114.961 PT-PT 1-2 2-3 3-3-4
TRAJECTOR  PHOTO DAT 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAT 2 - 10.867 3 - 10.867 3 - 10.892 5 - 10.896 6 - 10.904	Y DATA  LCN -20.325 -20.401 -20.261 -20.261 -20.388 -20.401  364 13 HR Y DATA  A LON -20.331 -20.405 -20.269 -20.254 -20.398	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029 125 MIN 13 RANGE 95.03428 93.87322 95.67872 96.41811 94.55851	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 -56.1 -54.5	AZN 10.9 10.6 11.1 11.2 10.6 MS	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7  SEC TO 34  AZ SUN -80.9 -80.7 -60.5 -81.2	AZA 35.8 35.5 35.8 36.1 35.8 TAB NO  IMPACT 825  AZA 35.8 35.8 35.8 35.8	ALT 83.3947 Ae C.93570 C.943570 C.94120 C.94851 C.93018 ALT 81.4432 Ae C.91392 C.90197 O.91626 O.92642 O.90853	LAT 6 -10.0° 8/A 0.864 0.861 0.837 0.854 0.861 ATLA 5 -10.1 8/A 0.864 0.864 0.864	PACE NO. 1 P. 1	.769 INCE 67.8 67.8 67.8 67.8 7.8 7.8 1.742 INCE 67.8 67.8 67.8 67.8 67.8	181 PHAZ 39.7 40.8 38.6 38.6 40.8 40.8 149 181 PHAZ 39.7 3 40.8 9 38.6 9 38.6 9 38.6	EMIS 31.9 30.6 32.5 33.2 31.3 30.6 R 16.899 EMIS 31.9 30.6 32.5 33.2	V 2.565  ALPHA 27.1 26.0 28.3 28.1 25.8 26.0 POD :	PTH -64.924 1  SCALE 0. 2.43278 4.16309 2.19466 4.21233 2.06901 SEQUENCE N PTH S-64.907 SCALE 0. 2.37600 4.06600 2.1433 4.1130	AZ 114.966 PT-PT 1-2 3-3-4 4-5 7-6-7 40 938 AZ 114.961 PT-PT 1-2 2-3 3-4-5 6-4-5 6-4-5
TRAJECTOR  PHOTO DAT PT LAT 2 - 10.873 3 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAT 2 - 10.867 3 - 10.839 4 - 10.839 5 - 10.899	Y DATA  LCN -20.325 -20.401 -20.261 -20.266 -20.388 -20.401  204 13 HF 1Y DATA  (A LON -20.311 -20.405 -20.269 -20.269 -20.269	RANGE 97.36071 96.11029 97.95921 98.71622 96.81212 96.11029 8 25 MIN 13 RANGE 95.03428 93.87322 95.67872 96.41811	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 -56.1 -54.5	AZN 10.9 10.6 11.1 11.2 10.6 10.6 MS	SEC TO 35  AZ SUN -80.9 -80.5 -81.2 -80.7  SEC TO 30  AZ SUN -80.7 -80.5 -81.2 -80.7 -80.5 -81.2 -80.7 -80.7 -80.7 -80.7 -80.7 -80.5 -81.2 -81.3 -80.7 -80.5 -81.2 -81.3 -80.7	AZA 35.8 35.8 35.8 35.8 36.1 35.8 36.1 35.8 TAB NO  IMPACT .825  AZA 35.8 35.8 35.8 36.1 35.8	ALT 83.3947 Ae C.93570 C.92347 C.94120 O.94851 C.93018 C.92347 149 ALT 81.4432 Ae 0.91992 C.90197 O.91929 O.92642 O.90853 O.90197	LAT 6 -10.0° 8/A 0.864 0.861 0.837 0.854 0.861 ATLA 5 -10.1 8/A 0.864 0.864 0.864	92 -21 AZPHAZ -89.0 -89.4 -88.2 -89.7 -68.4 S PHOTO  AZPHAZ -89.0 -88.4 -88.2 -89.7	.769 INCE 67.8 67.8 67.8 67.8 7.8 7.8 1.742 INCE 67.8 67.8 67.8 67.8 67.8	181 PHAZ 39.7 40.8 39.6 38.6 38.6 40.8 40.8 149 18 PHAZ 39.7 340.8 39.7 340.8 38.6	EMIS 31.9 30.6 32.5 33.2 31.3 30.6 R 16.899 EMIS 31.9 30.6 32.5 33.2 31.3	V 2.565  ALPHA 27-1 26-0 28-3 28-1 25-8 26-0 POD : V 2.566  ALPHA 27-1 26-0 28-3 28-1 25-8 26-0	PTH 5 -64.924 1  SCALE 0. 2.43278 4.16309 2.19469 4.21233 2.0690 SEQUENCE N 5 -64.907 SCALE 0. 2.37600 4.00600 2.1433 4.11400 2.0207	AZ 14-966 PT-PT 1-2 3 2-3 3 3-4 6 4-5 2 5-6 114-961 PT-PT 1-2 0 3-4 6 4-5 6 6-6 6 6-6
TRAJECTOR  PHOTO DAT PT LAY 2 - 10.873 3 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAY 2 - 10.867 3 - 10.839 6 - 10.904 7 - 10.839	LCN	RANGE 97.36071 96.11029 97.95921 98.71652 94.81212 96.11029 125 MIN 13 RANGE 95.09428 93.87322 95.67872 96.41811 94.55851 93.87322	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 -56.1 -54.5 -52.3 -52.3	AZN 10.9 10.6 11.1 11.2 10.6 MS AZN 10.9 10.5 11.1 11.2	SEC TO 35  AZ SUN -80.9 -90.7 -80.5 -81.2 -81.3 -80.7  SEC TO 34  AZ SUN -80.9 -80.7 -80.5 -81.2 -80.7 -80.5 -81.2 -80.7	AZA 35.8 35.8 35.8 35.8 36.1 35.8 36.1 35.8 TAB NO  IMPACT .825  AZA 35.8 35.8 35.8 36.1 35.8	ALT 83.3947 Ae C.93570 C.92347 C.94120 O.94851 C.93018 C.92347 149 ALT 81.4432 Ae 0.91992 C.90197 O.91929 O.92642 O.90853 O.90197	LAT 6 -10.0° 8/A 0.849 0.861 0.837 0.854 0.861 ATLA 5 -10.1 8/A 0.861 0.844 0.837 0.864	PACE NO. 1 P. 1	.769 INCE 67.8 67.8 67.8 67.8 67.8 67.8 67.8 67.8	181 9 PHAZ 9 39.7 140.8 9 38.6 9 38.6 140.8 149 18 18 9 39.7 3 40.8 9 39.7 3 40.8 9 38.6 9 38.6 9 38.6	EMIS 31.9 30.6 32.5 33.2 31.3 30.6 R 16.899 EMIS 31.9 30.6 32.5 33.2 31.3	V 2.565  ALPHA 27-1 26-0 28-3 28-1 25-8 26-0 POD : V 2.566  ALPHA 27-1 26-0 28-3 28-1 25-8 26-0	PTH -64.924 1  SCALE 0. 2.43278 4.16309 2.19466 4.21233 2.06901 SEQUENCE N PTH S-64.907 SCALE 0. 2.37600 4.06600 2.1433 4.1130	AZ 14-966 PT-PT 1-2 3 2-3 3 3-4 6 4-5 2 5-6 114-961 PT-PT 1-2 0 3-4 6 4-5 6 6-6 6 6-6
TRAJECTOR  PHOTO DAT PT LAY 2 - 10.873 3 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAY 2 - 10.867 3 - 10.839 4 - 10.839  JULY 31.19	LCN -20.326 -20.401 -20.261 -20.401 -20.388 -20.401 -20.331 -20.401 -20.401 -20.331 -20.401 -20.401 -20.331 -20.401 -20.401 -20.331 -20.401 -2	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029 125 MIN 13  RANGE 95.09428 93.87322 96.41811 94.55811 94.55815 93.87322	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 -56.1 -54.5 -52.3 -53.9 SEC 814	AZN 10.9 10.6 11.1 11.2 10.6 10.6 MS AZN 10.9 10.5 11.2 10.5	SEC TO 35  AZ SUN -80.7 -80.7 -81.2 -81.3 -80.7  SEC TO 34  AZ SUN -80.7 -60.5 -81.2 -81.3 -80.7	AZA 35.8 35.8 35.8 35.8 36.1 35.8 AAB NO IMPACT .025  AZA 35.8 35.8 35.8 35.8 36.1 35.8	ALT 83.3947 Ae C.93570 0.92347 C.94120 0.94851 0.92347 149 ALT 81.4432 Ae 0.91392 C.90197 0.92642 0.90853 0.90197	LAT 6 -10.0 8/A 0.849 0.861 0.861 0.861 0.861 ATLA LAT 5 -10.1 B/A 0.868 0.869 0.864 0.863 0.864 0.854	92 -21  AZPHAZ -89.0 -89.0 -89.4 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7	.769 INCE 67.5 67.6 67.6 68.6 67.1 67.1 0 NO .CN742 INCE 67.6 67.6 67.6 67.6 67.6 67.6 67.6 67.	181 9 PHAZ 9 39.7 1 40.8 9 38.6 9 38.6 1 40.8 149 189 189 199 199 199 199 199 199 199 19	EMIS 31.9 30.6 32.5 33.2 31.3 30.6 EMIS 31.9 30.6 32.5 31.3 30.6	V 2.565  ALPHA 27-1 26-0 28-3 28-1 25-8 27-1 26-0 28-3 28-1 25-8 26-0 POD	PTH -64.924 1 SCALE 0. 2.43278 4.16309 2.19469 4.21233 2.06907 SEQUENCE N 2.37600 4.00600 2.1433 4.11400 2.0207 SEQUENCE	AZ 14-966 PT-PT 1-2 3 2-3 3 3-4 6 4-5 2 5-6 114-961 PT-PT 1-2 0 3-4 6 4-5 6 6-6 6 6-6
TRAJECTOR  PHOTO DAT  2 - 10.873 3 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR  PHOTO DAT  PT LAT 2 - 10.867 3 - 10.893 4 - 10.829 5 - 10.894 7 - 10.839	LCN	RANGE 97.36071 96.11029 97.95921 98.71652 96.81212 96.11029 125 MIN 13  RANGE 95.03428 93.87322 95.67872 96.41811 94.55851 93.87322	AZS/C -54-2 -53-9 -56-1 -54-5 -52-2 -53-9 SEC 974 AZS/C -54-2 -54-2 -54-5 -52-3 -53-9 SEC 814	AZN 10.9 10.6 11.1 11.2 10.6 10.5 11.1 11.2 10.6 10.5 10.5 10.5 10.5 10.5 10.5 10.5	SEC TO 35  AZ SUN -80.9 -80.7 -81.2 -81.3 -80.7  SEC TO 34  AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	IMPACT .665  AZ A 35.8 35.8 35.8 36.1 35.8 TAB NO  IMPACT .825  AZ A 35.8 36.1 35.8 35.8 35.8 36.1 35.8 35.8 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1	ALT 83.3947 Ae C.93570 0.92347 0.94120 0.94851 0.92347 149 ALT 81.4432 Ae 0.91392 0.90197 0.91026 0.90197 0.91097 0.90653 0.90197	LAT 6 -10.0' 8/A 0.849 0.864 0.837 0.854 0.854 0.854 0.854 0.854 0.854 0.854 0.854	92 -21 AZPHAZ -89.0 -89.4 -88.2 -89.7 -88.4 S PHOTO  AZPHAZ -89.7 -88.4 -88.2 -89.7 -86.4 AS PHOTO	.769 INCC 67.5 67.6 68.6 67.6 68.7 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67	181 9 PHAZ 3 39.7 4 0.8 9 38.6 9 38.6 1 40.8 149 18 9 39.7 3 40.8 9 38.6 9 38.6 8 40.8 8 40.8 8 40.8	R R S S S S S S S S S S S S S S S S S S	V 2.565  ALPHA 27-1 26-0 28-3 28-1 25-8 26-0 POD	PTH -64.924 1 SCALE 0. 2.43278 4.16309 2.19469 4.21233 2.06907 SEQUENCE N 2.37600 4.00600 2.1433 4.11400 2.0207 SEQUENCE	AZ 114.966 PT-PT 1-2 3 2-3 3 3-4 6 4-5 7 6-7 HO 938 AZ 114.961 PT-PT 1-2 0 2-3 0 3-4 6 4-5 6 6-7 NO 939
TRAJECTOR  PHOTO DAT PY LAY 2 - 10.873 3 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31,19  TRAJECTOR PHOTO DAT PT LAY 2 - 10.867 3 - 10.839 4 - 10.839  TRAJECTOR PHOTO DAT PT LAY 2 - 10.849 6 - 10.904 7 - 10.839	LCN -20.326 -20.401 -20.261 -20.388 -20.401 -20.3401 -20.401 -20.311 -20.401 -20.331 -20.401 -20.301 -20.401 -	RANGE 97.36071 96.11029 97.95921 98.71622 96.81212 96.11029 125 MIN 13 RANGE 95.09428 93.87322 96.41811 94.55815 93.87322	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 -56.1 -54.5 -53.9 SEC 814	AZN 10.9 10.6 11.1 11.2 10.6 10.6 MS AZN 10.9 10.5 11.1 11.2 10.5 11.1 11.2 10.5 MS	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7 -80.9 -80.7 -80.5 -81.2 -81.3 -80.7	IMPACT .665  AZ A 35.8 35.8 36.1 35.8 36.1 35.8 35.8 36.1 35.8 36.1 35.8 35.8 35.8 35.8 35.8 35.8 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1	ALT 83.3947 Ae C.93570 C.92347 C.94120 C.94851 C.93018 C.92347 149 ALT 81.4432 C.90197 C.90197 C.90197 C.90197 T.91929 C.90197 T.91929 C.90197	LAT 6 -10.0°  8/A 0.849 0.861 0.849 0.861 ATLA  LAT 5 -10.1  8/A  LAT 0.881 0.861 ATLA  LAT 0.849 0.861 ATLA  LAT 14 -10.1	92 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7 -88.4 -89.7 -89.7 -89.7 -89.7 -89.7 -88.4 -88.2 -89.7 -88.4 AS PHOT	.769 INCC 67.5 67.6 67.6 67.6 68.6 67.9 68.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67	181 PHAZ 39.7 40.8 39.6 38.6 38.6 140.8 140.8 149 18. 0 PHAZ 9 39.7 8 9 38.6 8 40.8 150 180 PHAZ 180 P	8.850 EMIS 31.9 30.6 32.5 33.2 30.6 R R 16.895 31.9 30.6 R R R R R R R R R R R R R R R R R R R	V 2.5656 ALPHA 26.0 POD 2.566 27.1 26.0 POD 2.566 27.1 26.0 POD 2.566 ALPHA 27.1 26.0 POD 4.566 ALPHA	PTH -64.924 1  SCALE 0. 2.43278 4.16306 2.19466 2.19466 7.64.907 SCALE 0. 2.37600 4.0660 2.1433 4.1140 2.0207  SEQUENCE   PTH -64.890 SCALE	AZ 114.966 PT-PT 1-2 3 2-3 3 3-4 4 4-5 7 6-7 7 6-7 7 6-938 AZ 114.961 PT-PT 1-2 2-3 3-4-6 6-5-6 6-5-6 6-5-6 6-5-7 NO 939
TRAJECTOR  PHOTO DAT PT LAY 2 - 10.873 3 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAT 2 - 10.839 4 - 10.839 5 - 10.894 6 - 10.904 7 - 10.839  TRAJECTOR PHOTO DAT PT LAT 2 - 10.867 7 - 10.839	Y DATA  LCN -20.325 -20.401 -20.261 -20.266 -20.388 -20.401  20.401  LON -20.331 -20.405 -20.264 -20.392 -20.254 -20.392 -20.264 -20.392 -20.254 -20.392 -20.392 -20.392	RANGE 97.36071 96.11029 97.95921 98.71622 96.81212 96.11029 8 25 MIN 13 RANGE 95.09428 93.87322 95.67872 96.41811 94.55851 93.87322 8 25 MIN 14	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 -56.1 -54.5 -52.3 -53.9 SEC 814	AZN 10.9 10.6 11.1 11.2 10.6 10.6 MS AZN 10.9 10.5 11.1 11.2 10.6 10.6 MS	SEC TO 35  AZ SUN -80.9 -40.7 -80.5 -81.2 -80.7  SEC TO 34  AZ SUN -80.9 -80.7  SEC TO 35  AZ SUN -80.9 -80.7	IMPACT	ALT 83.3947 Ae C.93570 0.92347 C.94120 0.94851 0.92347 149 ALT 81.4432 Ae 0.91392 C.90197 0.92642 0.90853 0.90197 150 ALT 79.4908	LAT 6 -10.0° 8/A 0.849 0.861 0.861 0.861 0.861 ATLA LAT 5 -10.1 B/A 0.868 0.869 0.864 0.854 0.854 0.854 0.854	92 -21  AZPHAZ -89.0 -89.4 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7	.769 INCE 67.5 67.5 67.6 67.6 68.6 67.6 67.6 67.1 67.1 67.1 67.1 67.1 67	181 PHAZ 39.7 40.8 38.6 38.6 140.8 140.8 149 18 18 19 18 19 18 10 10 10 10 10 10 10 10 10 10 10 10 10	8.850 EMIS 31.9 30.6 32.5 33.2 33.2 30.6 R R 16.899 30.6 32.5 31.3 30.6 R 8 14.94 EMIS 33.2 2 31.3 30.6	V 2.565 ALPHA 27.1 26.0 28.3 28.1 25.8 POD 2 2.566 ALPHA 27.1 26.0 POD 4 4 6 2.56	PTH 5 -64.924 1  SCALE 0. 2.4327# 4.16309 2.19469 4.21233 2.0690 SEQUENCE N 5 -64.907 SCALE 0. 2.37600 2.1433 4.1140 2.0207 SEQUENCE I	AZ 114.966 PT-PT 1-2 3 2-3 3 3-4 5 5-6 7 6-7 HO 938 AZ 114.961 PT-PT 1-2 0 2-3 0 3-4 6 4-5 6 6-7 NO 939
TRAJECTOR  PHOTO DAT PT LAY 2 - 10.873 3 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAT 2 - 10.839 4 - 10.839 5 - 10.894 6 - 10.904 7 - 10.839  TRAJECTOR PHOTO DAT PT LAT 2 - 10.867 7 - 10.839	Y DATA  LCN -20.325 -20.401 -20.261 -20.266 -20.388 -20.401  DATA  LUN -20.331 -20.405 -20.264 -20.392 -20.254 -20.392 -20.264 -20.392 -20.254 -20.392 -20.393	RANGE 97.36071 96.11029 97.95921 98.71622 96.81212 96.11029 8 25 MIN 13 RANGE 95.09428 93.87322 95.67872 96.41811 94.55851 93.87322 8 25 MIN 14	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 -56.1 -54.5 -52.3 -53.9 SEC 814	AZN 10.9 10.6 11.1 11.2 10.6 10.6 MS AZN 10.9 10.5 11.1 11.2 10.6 10.6 MS	SEC TO 35  AZ SUN -80.9 -40.7 -80.5 -81.2 -80.7  SEC TO 34  AZ SUN -80.9 -80.7  SEC TO 35  AZ SUN -80.9 -80.7	IMPACT	ALT 83.3947 A. 3947 C. 93570 C. 94320 C. 94851 C. 93047 149 ALT 81.4432 A. 0.91392 C. 90197 C. 9	LAT 6 -10.0°  B/A 0.849 0.861 0.844 0.837 0.861 ATLA  LAT 5 -10.1  B/A 0.886 0.8861  ATLA  0.8861  ATLA  0.8861  ATLA  0.8861  ATLA  0.8861  0.8861  0.8861  0.8861  0.8861  0.8861  0.8861  0.8861	92 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7 -68.4 S PHOTO  AZPHAZ -89.7 -68.4 S PHOTO  AZPHAZ -89.7 -69.7 -69.7 -69.7 -69.8 -4 -88.2 -89.7 -69.8 -4 -88.8	.769 INCE 67.5 67.6 67.6 67.6 67.6 67.6 67.6 67.6	181  PHAZ  PHAZ  1840.8  186.8  149  188.9  189.9	EMIS 31.9 30.6 32.5 31.3 30.6 R 816.899 32.5 33.2 31.3 30.6 R R 14.94 EMIS 31.9 30.6 2.5 33.2 31.2 32.5 33.2 31.2 32.5 33.2 31.2 32.5 32.5 33.2 32.3 30.6	V V 2.565 ALPHA 27.1 26.0 POD 2.566 ALPHA 27.1 26.0 POD 4 2.56 ALPHA 27.1 26.0 POD 26.3 ALPHA 27.1 POD 26.	PTH  -64.924 1  SCALE 0. 2.43278 4.16309 2.19466 4.2123; 2.06901  SEQUENCE N  PTH  -64.907  SCALE 0. 2.37601 4.06601 2.1433 4.1140 2.0207  SEQUENCE N	AZ 114.966 PT-PT 1-2 3 2-3 3 3-4 4 4-5 7 6-7 40 938 AZ 114.961 PT-PT 1-2 0 2-3 0 3-4 6 4-5 6 5-6 6 5-6 7 8-7 NO 939
TRAJECTOR  PHOTO DAT 1 LAT 2 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAT 2 - 10.837 4 - 10.839  TRAJECTOR PHOTO DAT TRAJECTOR PHOTO DAT TRAJECTOR TRAJECTOR PHOTO DAT TRAJECTOR PHOTO DAT TRAJECTOR PHOTO DAT PT LAT 2 - 10.834 4 - 10.824 5 - 10.834 4 - 10.824 5 - 10.834	LCN	RANGE 97.36071 96.11029 97.95921 98.71052 96.81212 96.11029 125 MIN 13 RANGE 95.09428 93.87322 95.67872 96.41811 94.55815 93.87322 8 25 MIN 14	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 SEC 814 AZS/C -54.2 -53.9 SEC 814	AZN 10.9 10.6 11.1 11.2 10.6 10.9 10.5 11.1 11.2 10.6 10.5 MS	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -80.7  SEC TO 34  AZ SUN -80.9 -80.7  SEC TO 33  AZ SUN -80.9 -80.7	IMPACT	ALT 83.3947 A. 3947 C. 93570 C. 94320 C. 94851 C. 93047 149 ALT 81.4432 A. 0.91392 C. 90197 C. 9	LAT 6 -10.0°  B/A 0.849 0.861 0.844 0.837 0.861 ATLA  LAT 5 -10.1  B/A 0.886 0.8861  ATLA  0.8861  ATLA  0.8861  ATLA  0.8861  ATLA  0.8861  0.8861  0.8861  0.8861  0.8861  0.8861  0.8861  0.8861	92 -21 AZPHAZ -89.0 -88.4 -88.2 -89.7 -68.4 S PHOTO  AZPHAZ -89.7 -68.4 S PHOTO  AZPHAZ -89.7 -69.7 -69.7 -69.7 -69.8 -4 -88.2 -89.7 -69.8 -4 -88.8	.769 INCE 67.5 67.6 67.6 67.6 67.6 67.6 67.6 67.6	181  PHAZ  PHAZ  1840.8  186.8  149  188.9  189.9	EMIS 31.9 30.6 32.5 31.3 30.6 R 816.899 32.5 33.2 31.3 30.6 R R 14.94 EMIS 31.9 30.6 2.5 33.2 31.2 32.5 33.2 31.2 32.5 33.2 32.3 30.6	V V 2.565 ALPHA 27.1 26.0 POD 2.566 ALPHA 27.1 26.0 POD 4 2.56 ALPHA 27.1 26.0 POD 26.3 ALPHA 27.1 POD 26.	PTH  -64.924 1  SCALE 0. 2.43278 4.16309 2.19466 4.2123; 2.06901  SEQUENCE N  PTH  -64.907  SCALE 0. 2.37601 4.06601 2.1433 4.1140 2.0207  SEQUENCE N	AZ 114.966 PT-PT 1-2 3 2-3 3 3-4 5 5-6 7 6-7 40 938 AZ 114.961 PT-PT 1-2 0 2-3 0 3-4 6 4-5 6 6-6 6 6-7 NO 939 AZ 114.956
TRAJECTOR  PHOTO DAT PT LAY 2 - 10.844 4 - 10.834 5 - 10.904 6 - 10.911 7 - 10.844  JULY 31.19  TRAJECTOR PHOTO DAT PT LAY 2 - 10.867 3 - 10.894 6 - 10.904 7 - 10.839  JULY 31,19  TRAJECTOR PHOTO DAT PT LAY 2 - 10.867 7 - 10.839  JULY 31,19  TRAJECTOR PHOTO DAT PT LAY 2 - 10.862 3 - 10.864 4 - 10.904 4 - 10.834	LCN	RANGE 97.36071 96.11029 97.95921 98.71652 94.81212 96.11029 125 MIN 13 RANGE 95.09428 93.87322 95.67872 96.41811 94.55851 93.87322 8.25 MIN 14	AZS/C -54.2 -53.9 -56.1 -54.5 -52.2 -53.9 SEC 974 AZS/C -54.2 -53.9 SEC 814 AZS/C -54.2 -53.9 SEC 814	AZN 10.9 10.6 11.1 11.2 10.6 10.9 10.5 11.1 11.2 10.6 10.5 MS	SEC TO 35  AZ SUN -80.9 -80.7 -80.5 -81.2 -80.7  SEC TO 34  AZ SUN -80.9 -80.7  SEC TO 33  AZ SUN -80.9 -80.7	IMPACT	ALT 83.3947 Ae C.93570 0.92347 C.94120 0.94851 0.92347 149 ALT 81.4432 Ae 0.91392 C.90197 0.92642 0.90853 0.90197 150 ALT 79.4908 ALT 79.4908 0.88046 0.89736 0.88046 0.89736 0.88046	LAT 6 -10.0°  8/A 0.849 0.861 0.837 0.854 0.861 ATLA 5 -10.1  8/A 0.649 0.861 0.861 ATLA 10.184 0.861 ATLA	92 -21 AZPHAZ -89.0 -84.4 -88.2 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7 -89.7	.769 INCE 67.5 67.5 67.6 67.6 67.6 67.6 67.6 67.6	181 PHAZ 7 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8	R. 8.850 EMIS 31.9 30.6 32.5 33.2 31.3 30.6 R. 16.899 EMIS 31.9 30.6 32.5 33.2 31.3 30.6	V 2.565 ALPHA 26.0 POD 28.1 25.8 24.1 25.8 27.1 26.0 POD 2.566 ALPHA 27.1 26.0 POD 2.566 ALPHA 27.1 26.0 28.3 28.1 26.0	PTH 5 -64-924 1  SCALE 0. 2.43278 4.16309 2.19469 4.21231 2.06907  SEQUENCE N  PTH 5 -64-907  SCALE 0. 2.37600 4.00600 2.1433 4.11400 2.02207  SEQUENCE   PTH 7 -64-890  SCALE 0. 2.3191 3.9688 2.0922 4.0157	AZ 14-966 PT-PT 1-2 2-3 3-4 4-5 7-6-7 10 938 AZ 114-961 PT-PT 1-2 3-3-4 6-5-6 6-7 NO 939 AZ 114-956 PT-PT 1-2 3-2 3-3 4-5 5-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1

		RA-VII CAM	ERA P1			
		TAB /	IO 151	ATLAS PHOTO NO	151 9	POD SEQUENCE NO 940
JULY 31,1964 13 HR	25 MIN 15 SEC 654 M	s		AIDAS TITOTO NO		OD SEQUENCE NO 540
TRAJECTURY DATA		SEC_TO_IMPA	CIALT	LAT . LON	R	V PTH AZ
PHOTO DATA				- 1011E0 211007		PHA   SCALE   PT-PT
PT LAT LON	RANGE AZS/C	AZN AZSUN AZ	A A*	B/A AZPHAZ INCI	PHAZ EMIS AL	PHA SCALE PT-PT
3 -10.829 -20.413	89.39427 -53.9 1	0.5 -80.7 35.	B 0.85894	0.861 -88.4 67.4	9.39±1.31±9.2 8.40±8.30±6.2	6.0 2.26235 2= 3
4 -10.820 -20.283	91,11277 -56,1 1	1.1 -80.5 35.	5 _ 0.87542	0.844 -88.2 67.5	38.6 32.5 2	8.3 3.87160 3- 4
5 -10.886 -20.269	91.81641 -54.5 1	1.2 -81.2 35.	7 0.88221	0.837 -89.7 67.9	38.6 33.2 2	8.1 2.04091 4-5
5 -10.886 -20.269 6 -10.891 -20.401 7 -10.829 -20.413	90.04646 -52.3 1	0.6 -81.3 36.	0.86517	0.855 -89.7 67.1	40.8 31.3 2	5.8 3.91732 5- 6
1 -10:029 -20:413	07.37427 -33.7 1	TAD 1	0 (.03074 JA 152	ATI AC DUOTO NO	150 5	POD SEQUENCE NO 941
JULY 31,1964 13 HR	25 MIN 16 SEC 494 M	s indi		AILAS FROID NO		TOD SEQUENCE NO 941
TRAJECTORY DATA		SEC TO IMPA	CT ALI	LAT LON	R	V PTH A7
PHOTO DATA		32.305	75.5844	3 -10.141 -21.662	1811.040 2	2.570 -64.855 114.946
PHOTO DATA PT LAT LCN 2 -10.851 -20.348 3 -10.824 -20.417 4 -10.815 -20.291	PANCE AZSZC	AZN AZSUN AZ	A A.	B/A AZDHAZ INCI	DHAZ ENTS AL	DHA SCALE DT-DT
2 -10.851 -20.348	88.28581 -54.2 1	0.9 -80.9 35.	0.84849	0.849 -89.0 67.1	39.7.31.9 2	7.0 0. 1-2
3 -10.824 -20.417	87.15299 -53.9 1	0.5 -80.7 35.	8 0.83740	0.861 -88.4 67.4	8 40.8 30.6 2	6.0 2.20548 2- 3
410.81520.291	88-82797 -56-1 1	<u>lal -80a5 35a</u>	50.85346	0.844 -88.2 67.9	38.6 32.5 2	8.3 3.77434 3- 4
6 -10 885 -20 405	87.70962 =52.2 I	1.2 -81.2 35.	1 0.86008	0.837 -89.7 67.	9 40 9 31 3 2	8.1 1.98968 4-5
7 -10.824 -20.417	87.15299 -53.9 1	0.5 -80.7 35.	8 0.83740	0.861 -88.4 67.1	8 40.8 30.6 2	8.1 1.98968 4- 5 5.8 3.81888 5- 6 6.0 1.87591 6- 7
_JULY. 31,1964 . 13 HR			VO 153	ATLAS PHOTO NO	153 F	POD SEQUENCE NO 942
TRAJECTORY DATA		CCC TO 1404				
TRAJECTORY DATA		31.465	73.6303	6 -10-153 -21-636	1809-086 2	V PIH AZ 1.571 -64.838 114.941
PHOTO DATA						
PHOTO DATA PT LAT LON 2 -10.845 -20.354 3 -10.820 -20.421 4 -10.811 -20.298 5 -10.873 -20.284 6 -10.879 -20.409 7 -10.820 -20.421	RANGE AZS/C	AZN AZSUN AZ	A A+	B/A AZPHAZ INCI	PHAZ EMIS AL	PHA SCALE PT-PT
2 -10.84520.354	86.01394 -54.2 1	0.9 -80.9 35.	8 0.82665	0.849 -89.0 67.	39.7.31.9.2	7-0 0- 1-2
4 -10-811 -20-228	84.91002 -03.9 I	0.5 -80.7 35. 1.1 -80.5 35	6 0.81586 6 0.81586	0.861 -88.4 67.1	3 40.8 30.6 2	6.0 2.14860 2- 3
5 -10.873 -20.284	87.20989 -54.5 1	1.2 -81.2 35.	7 0.83795	0.837 -89.7 67.9	9 38.6 33.2 2	98.1 1.93835 4- 5
6 -10.879 -20.409	85.52960 -52.3 1	0.6 -81.3 36.	00.82177	0.855 -89.7 67.1	40.8 31.3 2	5.8 3.72041 5- 6
7 -10.820 -20.421	84.91052 -53.9 1	0.5 -80.7 35.	8 C.81586	0.861 -88.4 67.4	8 40.8 30.6 2	6.0 1.82750 6- 7
		TAB	VO 154	ATLAS PHOTO NO	154 F	POD SEQUENCE NO 94:
JULY 31,1964 13 HR	25 MIN 18 SEC 174 M	S TAB	VO 154	ATLAS PHOTO NO	154 F	POD SEQUENCE NO 94:
JULY 31,1964 13 HR	25 MIN 18 SEC_174 M	S SEC TO IMPA	O 154	ATLAS PHOTO NO	154 F	POD SEQUENCE NO 94:
JULY 31,1964 13 HR	25 MIN 18 SEC_174 M	S SEC TO IMPA	O 154	ATLAS PHOTO NO	154 F	POD SEQUENCE NO 94:
JULY 31,1964 13 HR	25 MIN 18 SEC_174 M	S SEC TO IMPA	O 154	ATLAS PHOTO NO	154 F	POD SEQUENCE NO 94:
JULY 31,1964 13 HR	25 MIN 18 SEC 174 M  RANGE AZS/C 83.74983 -54.2 1	SEC TO IMPA 30.625 AZN AZSUN AZ 0.9 -80.9 35.0	T ALT 71.6756	ATLAS PHOTO NO LAT	R 1607-131 2 D PHAZ EMIS AL 8 39-7 31-8 2	POD SEQUENCE NO 94:  V PIH AZ 2.572 -64.820 114.936 PHA SCALE PT-PT 17.0 0 1 - 2
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.840 -20.360 3 -10.815 -20.425	25 MIN 18 SEC 174 M  RANGE AZS/C 83.74983 -54.2 1	SEC TO IMPA 30.625 AZN AZSUN AZ 0.9 -80.9 35.0	T ALT 71.6756	ATLAS PHOTO NO LAT	R 1607-131 2 D PHAZ EMIS AL 8 39-7 31-8 2	POD SEQUENCE NO 94:  V PIH AZ 2.572 -64.820 114.936 PHA SCALE PT-PT 17.0 0 1 - 2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.440 -20.360 3 -10.815 -20.425 4 -10.806 -20.305 5 -10.867 -20.292	25 MIN 18 SEC 174 M  RANGE AZS/C 83.74983 -54.2 1	SEC TO IMPA 30.625 AZN AZSUN AZ 0.9 -80.9 35.0	T ALT 71.6756	ATLAS PHOTO NO LAT	R 1607-131 2 D PHAZ EMIS AL 8 39-7 31-8 2	POD SEQUENCE NO 94:  V PIH AZ 2.572 -64.820 114.936 PHA SCALE PT-PT 17.0 0 1 - 2
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA LIT 2-10.840 -20.360 3-10.815 -20.425 4-10.806 -20.305 5-10.867 -20.292 6-10.872 -20.414	25 MIN 18 SEC 174 M  RANGE AZS/C 83.74983 -54.2 1	SEC TO IMPA 30.625 AZN AZSUN AZ 0.9 -80.9 35.0	T ALT 71.6756	ATLAS PHOTO NO LAT	R 1607-131 2 D PHAZ EMIS AL 8 39-7 31-8 2	POD SEQUENCE NO 94:  V PIH AZ 2.572 -64.820 114.936 PHA SCALE PT-PT 17.0 0 1 - 2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.440 -20.360 3 -10.815 -20.425 4 -10.806 -20.305 5 -10.867 -20.292	25 MIN 18 SEC 174 M  RANGE 82 S/C 83,74083 -54,2 1 82.66680 -53,9 1 84.90481 -54,5 1 83,26935 -52,3 1 82.66680 -53,9 1	S SEC TO IMPAGE 30.625  AZN AZUN AZUN AZUN AZUN AZUN AZUN AZUN A	T ALT 71.6756  A A 8 0.80481  5 0.80952  7 0.8158 0 0.80906 8 0.79430	ATLAS PHOTO NO  LAY LON 9 -10.165 -21.609  B/A AZPHAZ INCI 0.849 -89.0 67. 0.861 -88.4 67. 0.837 -89.7 67. 0.835 -89.7 67. 0.845 -89.7 67. 0.885 -89.8 67.	R 1807.131 2  D PHAZ EMIS AL 8 39.7.31.8 2 8 40.8 30.6 2 9 38.6 32.4 2 9 38.6 33.2 2 8 40.8 30.6 2	POD SEQUENCE NO 94:  Y PTH AZ 2.572 -64.820 114.936  PHA SCALE PT-PT 17:0 0. 1-2 16.0 2.09171 2-3 18.3 3.57969 3-4 18.1 1.88702 4-5 15.8 3.62189 5-6 16.0 1.77918 6-7
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.840 -20.360 3 -10.815 -20.425 4 -10.806 -20.305 5 -10.867 -20.292 6 -10.872 -20.411 7 -10.815 -20.425	25 MIN 18 SEC 174 M  RANGE 82 S/C 83,74083 -54,2 1 82.66680 -53,9 1 84.90481 -54,5 1 83,26935 -52,3 1 82.66680 -53,9 1	S SEC TO IMPAGE 30.625  AZN AZUN AZUN AZUN AZUN AZUN AZUN AZUN A	T ALT 71.6756  A A 8 0.80481  5 0.80952  7 0.8158 0 0.80906 8 0.79430	ATLAS PHOTO NO  LAY LON 9 -10.165 -21.609  B/A AZPHAZ INCI 0.849 -89.0 67. 0.861 -88.4 67. 0.837 -89.7 67. 0.835 -89.7 67. 0.845 -89.7 67. 0.885 -89.8 67.	R 1807.131 2  D PHAZ EMIS AL 8 39.7.31.8 2 8 40.8 30.6 2 9 38.6 32.4 2 9 38.6 33.2 2 8 40.8 30.6 2	POD SEQUENCE NO 94:  Y PTH AZ 2.572 -64.820 114.936  PHA SCALE PT-PT 17:0 0. 1-2 16.0 2.09171 2-3 18.3 3.57969 3-4 18.1 1.88702 4-5 15.8 3.62189 5-6 16.0 1.77918 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.840 -20.360 3 -10.815 -20.425 4 -10.806 -20.305 5 -10.867 -20.292 6 -10.872 -20.419 7 -10.815 -20.425  JULY 31,1964 13 HR	25 MIN 18 SEC 174 M  RANGE 82 S/C 83,74083 -54,2 1 82.66680 -53,9 1 84.90481 -54,5 1 83,26935 -52,3 1 82.66680 -53,9 1	S TAB  SEC TO IMPA 30.625  AZN AZUN AZ 0.9 -80.9 35. 0.5 -80.7 35. 1.2 -81.2 35. 0.6 -81.3 36. 0.5 -80.7 35.  TAB	CT ALT 71.6756  A A** 8 0.80481 8 0.79430 7 0.81580 0 0.809026 8 0.79430 40 155	ATLAS PHOTO NO  LAT LON 9 -10.165 -21.609  B/A AZPHAZ INC 0.849 -89.0 67. 0.861 -88.4 67. 0.864 -88.2 67. 0.837 -89.7 67. 0.865 -89.7 67. 0.861 -88.4 67. ATLAS PHOTO NO	R 1807.131 2  D PHAZ EMIS AL 8 39.7 31.8 2 8 40.8 30.6 2 9 38.6 32.4 2 9 38.6 33.2 2 8 40.8 30.6 2 155	POD SEQUENCE NO 94:  Y PTH AZ 2.572 -64.820 114.936  PHA SCALE PT-PT 17:0 0. 1-2 16:0 2.09171 2-3 18:3 3.57969 3-4 18:1 1.88702 4-5 15:8 3.62189 5-6 16:0 1.77918 6-7  POD SEQUENCE NO 944
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.840 -20.360 3 -10.815 -20.425 4 -10.806 -20.292 6 -10.872 -20.419 7 -10.815 -20.425  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.834 -20.366 3 -10.810 -20.430 4 -10.801 -20.430 5 -10.861 -20.300 6 -10.866 -20.418 7 -10.810 -20.430  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 83,74083 -54,2 1 82,66680 -53,9 1 84,92549 -56,1 1 83,26935 -52,3 1 82,66680 -53,9 1 25 MIN 19 SEC 14 M  RANGE AZS/C 81,46663 -54,2 1 80,42204 -53,9 1 82,59866 -54,5 1 81,90865 -56,1 1 82,59866 -54,5 1 81,90803 -52,3 1 80,42204 -53,9 1	SEC TO IMPA 30.625  AZN AZSUN AZ 0.9 -80.9 36. 1-1 -80.5 35. 1-2 -81.2 36. 0.5 -80.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZ 0.9 -80.9 35. 0.6 -81.3 36. 0.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZSU	NO 154  CT ALT 71.6756  A A. 8. 0.80481 8 0.79430  CT 69.7205  CT ALT 71.6756  A A. 8. 0.80961 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ATLAS PHOTO NO  LAT LON 9 -10.165 -21.609  B/A AZPHAZ INCI 0.869 -89.0 67. 0.861 -88.4 67. 0.837 -89.7 67. 0.855 -89.7 67. ATLAS PHOTO NO  LAT LON 0.850 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.857 -89.7 67. 0.858 -89.7 67. 0.858 -89.7 67. 0.859 -89.7 67. 0.851 -88.4 67. 0.855 -89.7 67.	R 1807.131 2 D PHAZ EMIS AL 8 39.7.31.8 2 9 38.6 30.6 2 9 38.6 33.2 2 8 40.8 30.6 2 155 F 1805.176 2 D PHAZ EMIS AL 8 39.7 31.8 2 8 40.8 30.6 2 156 F 1803.220 2	POD SEQUENCE NO 94:  Y PIH AZ  1:.572 -64.820 114.936  PHA SCALE PI-PI  171.0 0. 1-2  6:.60 2.09171 2-3  88.3 3.57989 3-4  88.1 1.88702 4-5  15.8 3.62189 5-6  1.77918 6-7  POD SEQUENCE NO 944  Y PTH AZ  15.73 -64.803 114.931  PHA SCALE PI-PI  17.0 0. 1-2  15.9 2.03474 2-3  18.3 3.48231 3-4  18.1 1.83579 4-5  15.8 3.52333 5-6  17.3017 6-7  POD SEQUENCE NO 945
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.840 -20.360 3 -10.815 -20.425 4 -10.806 -20.292 6 -10.872 -20.419 7 -10.815 -20.425  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.834 -20.366 3 -10.810 -20.430 4 -10.801 -20.430 5 -10.861 -20.300 6 -10.866 -20.418 7 -10.810 -20.430  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 83,74083 -54,2 1 82,66680 -53,9 1 84,92549 -56,1 1 83,26935 -52,3 1 82,66680 -53,9 1 25 MIN 19 SEC 14 M  RANGE AZS/C 81,46663 -54,2 1 80,42204 -53,9 1 82,59866 -54,5 1 81,90865 -56,1 1 82,59866 -54,5 1 81,90803 -52,3 1 80,42204 -53,9 1	SEC TO IMPA 30.625  AZN AZSUN AZ 0.9 -80.9 36. 1-1 -80.5 35. 1-2 -81.2 36. 0.5 -80.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZ 0.9 -80.9 35. 0.6 -81.3 36. 0.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZSU	NO 154  CT ALT 71.6756  A A. 8. 0.80481 8 0.79430  CT 69.7205  CT ALT 71.6756  A A. 8. 0.80961 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ATLAS PHOTO NO  LAT LON 9 -10.165 -21.609  B/A AZPHAZ INCI 0.869 -89.0 67. 0.861 -88.4 67. 0.837 -89.7 67. 0.855 -89.7 67. ATLAS PHOTO NO  LAT LON 0.850 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.857 -89.7 67. 0.858 -89.7 67. 0.858 -89.7 67. 0.859 -89.7 67. 0.851 -88.4 67. 0.855 -89.7 67.	R 1807.131 2 D PHAZ EMIS AL 8 39.7.31.8 2 9 38.6 30.6 2 9 38.6 33.2 2 8 40.8 30.6 2 155 F 1805.176 2 D PHAZ EMIS AL 8 39.7 31.8 2 8 40.8 30.6 2 156 F 1803.220 2	POD SEQUENCE NO 94:  Y PIH AZ  1:.572 -64.820 114.936  PHA SCALE PI-PI  171.0 0. 1-2  6:.60 2.09171 2-3  88.3 3.57989 3-4  88.1 1.88702 4-5  15.8 3.62189 5-6  1.77918 6-7  POD SEQUENCE NO 944  Y PTH AZ  15.73 -64.803 114.931  PHA SCALE PI-PI  17.0 0. 1-2  15.9 2.03474 2-3  18.3 3.48231 3-4  18.1 1.83579 4-5  15.8 3.52333 5-6  17.3017 6-7  POD SEQUENCE NO 945
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.840 -20.360 3 -10.815 -20.425 4 -10.806 -20.292 6 -10.872 -20.419 7 -10.815 -20.425  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.834 -20.366 3 -10.810 -20.430 4 -10.801 -20.430 5 -10.861 -20.300 6 -10.866 -20.418 7 -10.810 -20.430  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 83,74083 -54,2 1 82,66680 -53,9 1 84,92549 -56,1 1 83,26935 -52,3 1 82,66680 -53,9 1 25 MIN 19 SEC 14 M  RANGE AZS/C 81,46663 -54,2 1 80,42204 -53,9 1 82,59866 -54,5 1 81,90865 -56,1 1 82,59866 -54,5 1 81,90803 -52,3 1 80,42204 -53,9 1	SEC TO IMPA 30.625  AZN AZSUN AZ 0.9 -80.9 36. 1-1 -80.5 35. 1-2 -81.2 36. 0.5 -80.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZ 0.9 -80.9 35. 0.6 -81.3 36. 0.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZSU	NO 154  CT ALT 71.6756  A A. 8. 0.80481 8 0.79430  CT 69.7205  CT ALT 71.6756  A A. 8. 0.80961 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ATLAS PHOTO NO  LAT LON 9 -10.165 -21.609  B/A AZPHAZ INCI 0.869 -89.0 67. 0.861 -88.4 67. 0.837 -89.7 67. 0.855 -89.7 67. ATLAS PHOTO NO  LAT LON 0.850 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.857 -89.7 67. 0.858 -89.7 67. 0.858 -89.7 67. 0.859 -89.7 67. 0.851 -88.4 67. 0.855 -89.7 67.	R 1807.131 2 D PHAZ EMIS AL 8 39.7.31.8 2 9 38.6 30.6 2 9 38.6 33.2 2 8 40.8 30.6 2 155 F 1805.176 2 D PHAZ EMIS AL 8 39.7 31.8 2 8 40.8 30.6 2 156 F 1803.220 2	POD SEQUENCE NO 94:  Y PIH AZ  1:.572 -64.820 114.936  PHA SCALE PI-PI  171.0 0. 1-2  6:.60 2.09171 2-3  88.3 3.57989 3-4  88.1 1.88702 4-5  15.8 3.62189 5-6  1.77918 6-7  POD SEQUENCE NO 944  Y PTH AZ  15.73 -64.803 114.931  PHA SCALE PI-PI  17.0 0. 1-2  15.9 2.03474 2-3  18.3 3.48231 3-4  18.1 1.83579 4-5  15.8 3.52333 5-6  17.3017 6-7  POD SEQUENCE NO 945
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.840 -20.360 3 -10.815 -20.425 4 -10.806 -20.292 6 -10.872 -20.419 7 -10.815 -20.425  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.834 -20.366 3 -10.810 -20.430 4 -10.801 -20.430 5 -10.861 -20.300 6 -10.866 -20.418 7 -10.810 -20.430  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 83,74083 -54,2 1 82,66680 -53,9 1 84,92549 -56,1 1 83,26935 -52,3 1 82,66680 -53,9 1 25 MIN 19 SEC 14 M  RANGE AZS/C 81,46663 -54,2 1 80,42204 -53,9 1 82,59866 -54,5 1 81,90865 -56,1 1 82,59866 -54,5 1 81,90803 -52,3 1 80,42204 -53,9 1	SEC TO IMPA 30.625  AZN AZSUN AZ 0.9 -80.9 36. 1-1 -80.5 35. 1-2 -81.2 36. 0.5 -80.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZ 0.9 -80.9 35. 0.6 -81.3 36. 0.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZSU	NO 154  CT ALT 71.6756  A A. 8. 0.80481 8 0.79430  CT 69.7205  CT ALT 71.6756  A A. 8. 0.80961 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ATLAS PHOTO NO  LAT LON 9 -10.165 -21.609  B/A AZPHAZ INCI 0.869 -89.0 67. 0.861 -88.4 67. 0.837 -89.7 67. 0.855 -89.7 67. ATLAS PHOTO NO  LAT LON 0.850 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.857 -89.7 67. 0.858 -89.7 67. 0.858 -89.7 67. 0.859 -89.7 67. 0.851 -88.4 67. 0.855 -89.7 67.	R 1807.131 2 D PHAZ EMIS AL 8 39.7.31.8 2 9 38.6 30.6 2 9 38.6 33.2 2 8 40.8 30.6 2 155 F 1805.176 2 D PHAZ EMIS AL 8 39.7 31.8 2 8 40.8 30.6 2 156 F 1803.220 2	POD SEQUENCE NO 94:  Y PIH AZ  1:.572 -64.820 114.936  PHA SCALE PI-PI  171.0 0. 1-2  6:.60 2.09171 2-3  88.3 3.57989 3-4  88.1 1.88702 4-5  15.8 3.62189 5-6  1.77918 6-7  POD SEQUENCE NO 944  Y PTH AZ  15.73 -64.803 114.931  PHA SCALE PI-PI  17.0 0. 1-2  15.9 2.03474 2-3  18.3 3.48231 3-4  18.1 1.83579 4-5  15.8 3.52333 5-6  17.3017 6-7  POD SEQUENCE NO 945
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.840 -20.360 3 -10.815 -20.425 4 -10.806 -20.292 6 -10.872 -20.419 7 -10.815 -20.425  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.834 -20.366 3 -10.810 -20.430 4 -10.801 -20.430 5 -10.861 -20.300 6 -10.866 -20.418 7 -10.810 -20.430  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 83,74083 -54,2 1 82,66680 -53,9 1 84,92549 -56,1 1 83,26935 -52,3 1 82,66680 -53,9 1 25 MIN 19 SEC 14 M  RANGE AZS/C 81,46663 -54,2 1 80,42204 -53,9 1 82,59866 -54,5 1 81,90865 -56,1 1 82,59866 -54,5 1 81,90803 -52,3 1 80,42204 -53,9 1	SEC TO IMPA 30.625  AZN AZSUN AZ 0.9 -80.9 36. 1-1 -80.5 35. 1-2 -81.2 36. 0.5 -80.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZ 0.9 -80.9 35. 0.6 -81.3 36. 0.7 35.  TAB IS  SEC TO IMPA 29.785  AZN AZSUN AZSU	NO 154  CT ALT 71.6756  A A. 8. 0.80481 8 0.79430  CT 69.7205  CT ALT 71.6756  A A. 8. 0.80961 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ATLAS PHOTO NO  LAT LON 9 -10.165 -21.609  B/A AZPHAZ INCI 0.869 -89.0 67. 0.861 -88.4 67. 0.837 -89.7 67. 0.855 -89.7 67. ATLAS PHOTO NO  LAT LON 0.850 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.855 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.856 -89.0 67. 0.857 -89.7 67. 0.858 -89.7 67. 0.858 -89.7 67. 0.859 -89.7 67. 0.851 -88.4 67. 0.855 -89.7 67.	R 1807.131 2 D PHAZ EMIS AL 8 39.7.31.8 2 9 38.6 30.6 2 9 38.6 33.2 2 8 40.8 30.6 2 155 F 1805.176 2 D PHAZ EMIS AL 8 39.7 31.8 2 8 40.8 30.6 2 156 F 1803.220 2	POD SEQUENCE NO 94:  Y PIH AZ  2.572 -64.820 114.936  PHA SCALE PI-PI  27.0 0. 1-2  26.0 2.09171 2-3  8.3 3.57969 3-4  28.1 1.88702 4-5  5.5.8 3.62189 5-6  7 POD SEQUENCE NO 944  V PIH AZ  2.573 -64.803 114.931  PHA SCALE PI-PI  27.0 0. 1-2  25.9 2.03474 2-3  8.3 3.48231 3-4  8.8 3.52333 5-6  8.1 1.83579 4-5  8.5 3.52333 5-6  POD SEQUENCE NO 945

					r 1						
			TAR	NO	157	ATLAS PHO	TO NO	157	POD S	FOLIENCE NO	946
JULY 31,1964 13 HR	25 MIN 20 SEC 69	4 MS			-0/						
TRAJECTORY DATA			SEC TO IMP	PACT	ALT	LAT	LON	R	v	PTH	Δ7
			28.105	5	65.80832	-10.202 -				-64.768 11	4.921
PHOTO DATA PT LAT LCN	RANGE AZS/C	ΔZN	AZ SUN A	Δ7 Δ	Α.	B/A AZPHA	7 INCO	PHAZ EMIS	AI PHA	SCALE	PT-PT
2 -10.823 -20.378	76.91423 -54.2	10.9	-80.9 35	5.8	0.73920	0.85C -89.	0 67.8	39.7 31.8	27.0	ο.	1- 2
3 -10.800 -20.438 4 -10.792 -20.328	75.92846 -53.9 77.38593 -56.1	10.5	-80.7 35	5.8	0.72955	0.861 -88.		40.8 30.5	25.9	1.92082	2- 3
5 -10.848 -20.315	77.98233 -54.5		-80.5 35 -81.2 35	5.5 5.7	C.74353	0.844 - <b>88.</b> 0.838 -89.	7 67.9	38.6 32.4	28.3 28.1	1.73303	4-5
6 -10.853 -20.427	76.48139 -52.3	10.6	-81.3 36					40.8 31.3		3.32607	5- 6
7 -10.800 -20.438	75.92848 -53.9	10.5	-80.7 35	5.8	C.72955	0.861 -86.	4 67.8	40.8 30.5	25.9	1.63393	6- 7
			TAB	NO B	158	ATLAS PHO	OTO NO	158	POD S	EQUENCE NO	947
JULY 31,1964 13 HR	25 MIN 21 SEC 53	4 MS								•	
TRAJECTURY DATA			SEC TO IMP	PACT	AL T	LAI.	LCN	ĸ	v	PTH	A Z
			27.265	5		-10.215 -	21.501	K 1799.307	2.576	-64.750 11	4.916
PHÔTU DATA PT LAT LON	RANGE AZS/C	AZN	AZ SUN A	A 7 A	A •	E /A A 7 DUA	. INCD	PHAZ EMIS	AL DUA	SCALE	DT-DT
2 -10.817 -20.384	74.63619 -54.2			5.8				39.7 31.8		0.	1- 2
3 -10.795 -20.442	73.67985 -53.9	10.5	-80.7 35	5.8	0.70795	0.862 -88.	4 67.8	40.8 30.5	25.9	1.86384	2- 3
4 -10.788 -20.335	75.09360 -56.1	11.1		5.5	0.72150	0.844 -88.	2_67_9	1.3Ha6.32a4	28.3	3.18989	
5 -10.842 -20.323 6 -10.847 -20.432	75.67233 -54.5 74.21622 -52.3		-81.2 3:		0.72709			38.6 33.1	28.1 25.7	1.68160	5- 6
7 -10.795 -20.442	73.67985 -53.9		-80.7 3		0.70795			40.8 30.5		3.22739 1.58552	6- 7
			TAR	NO.	150	ATLAS PHO	TO NO	159	POD 5	SEQUENCE NO	948
JULY 31,1964 13 HR	25 MIN 22 SEC 37	4_MS	170	, 110	139	AILAS FIIC	/10 110	100			• • • •
								R	v	PTH	AZ
TRAJECTORY DATA			SEC TO [MI 26.425		ALT 61.89366	LAT -10.227 -	LON 21.474			-64.733 1	
PHOTO DATA											
PT LAT LON 2 -10.812 -20.390	RANGE AZS/C		A7 SUN /	AZA	A+			PHAZ EMIS		SCALE	PT-PT 1- 2
2 -10.812 -20.390 3 -10.790 -20.446	72.35684 <u>-54.2</u> 71.42994 -53.9	10.5		5.8 5.8		C.862 -88.		40.8 30.5		1.80679	2- 3
4 -10.783 -20.343	72.80035 -56.1	11.1	-80.5 3	5.5	C.69947	0.845 -88.	.2 67.8	38.6 32.4	28.3	3.09232	3- 4
5 -10.835 -20.331 6 -10.840 -20.436	73.361C2 -54.5 71.94976 -52.3	11.2		5.7 6.0	0.70488 0.69130		.7 67.9	38.6 33.1	28.1 25.7	1.63017 3.12865	
7 -10.790 -20.446	71.42994 -53.9	10.5						70.0 31.3		1.53709	4. 3
		10.0	-80.7 3	5.8	0.68633	C.862 -88.	4 67.7	40.8 30.5	23.9	1.077107	6- 1
	71.42774 -33.7	10.5									
					160	ATLAS PHO				SEQUENCE N	
JULY 31,1964 13 HR			TAB	3 NO	160	ATLAS PHO	ото по	160	POD S	SEQUENCE N	949
			TAB	<b>NO</b>	160 AL T	ATLAS PHO	DTO NO	160 R	POD S	SEQUENCE N	949 AZ
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	25 MIN 23 SEC 21	4 MS	TAB SEC 10 1Mi 25.58	PACT	ALT 59.93552	LAT -10.239 -	LUN -21.447	160 1795.39	POD !	PTH -64.715 1	AZ 14.906
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON	25 MIN 23 SEC 21	4 MS	SEC TO 1MI 25.589	PACT 5	ALT 59.93552	LAT -10.239 -	LUN -21.447	160 1795.39	POD !	PTH -64.715 1	AZ 14.906
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.806 -20.396	25 MIN 23 SEC 21  RANGE AZS/C 70.07034 -54.2	4 MS AZN 10-9	TAB SEC TO 1MI 25.589 AZSUN A -80.9 39	PACT 5 AZA 5.8	ALT 59.93552 A* 0.67348	LAT -10.239 - B/A AZPHA 0.850 -89.	LON -21.447 AZ INCE	160 R 1795.39 PHAZ EMIS 3 39.7 31.8	POD \$	PTH -64.715 1 SCALE	AZ 14.906 PT-PT 1- 2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.45C 4 -10.778 -20.350	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1	AZN 10.9 10.5 11.1	TAB SEC 10 1Mi 25.588  AZSUN A -80.9 38 -80.7 38 -80.5 39	PACT 5 AZA 5.8 5.8 5.5	ALT 59.93552 A* 0.67348 0.66470 0.67742	LAT -10.239 - B/A AZPHA 0.850 -69, 0.862 -88, 0.845 -88	LON -21.447 AZ INCE .0 67.6 ,4 67.7	R 1795.39 D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4	POD S	PTH -64.715 1 SCALE 0. 1.74977 2.99472	AZ 14.906 PT-PT 1- 2 2- 3 3- 4
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.339	25 MIN 23 SEC 21  RANGE AZS/C 70.07634 -54.2 69.17885 -54.2 71.04956 -54.7	AZN 10.9 10.5 11.1	TAB SEC 10 1Mi 25.589  AZSUN 4 -80.9 39 -80.7 39 -80.5 39 -81.2 39	PACT 5 AZA 5.8 5.5 5.7	ALT 59.93552 A* 0.67348 0.66470 0.67742 0.68266	LAT -10.239 - B/A AZPH/ 0.850 -69. 0.862 -88. 0.845 -88. 0.838 -89.	LON -21.447 AZ INCE 0 67.6 4 67.7 -2 67.8	R 1795.39 D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4 9 38.6 33.1	POD S	PTH -64.715 1 SCALE 0. 1.74977 2.99472 1.57873	AZ 14.906 PT-PT 1-2 2-3 3-4 4-5
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.778 -20.450 4 -10.778 -20.350 5 -10.824 -20.339 6 -10.834 -20.441	RANGE AZS/C 21  RANGE 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3	AZN 10.9 10.5 11.1 11.2 10.6	AZ SUN A-80.9 33-80.5 33-81.2 34-81.3	PACT 5 AZA 5.8 5.5 5.7 6.0	ALT 59.93552 A+ 0.67348 0.66470 0.67742 C.68266 C.66951	LAT -10.239 - B/A AZPH/ 0.850 -89 0.862 -88 0.845 -88 0.838 -89 0.855 -89	LON -21.447 AZ INCE 0 67.8 4 67.7 2 67.8	R 1795.39 D PHAZ EMIS B 39.7 31.8 7 40.8 30.5 3 88.6 32.4 9 38.6 33.1	POD \$  2.579  ALPHA 27.0 25.9 28.3 28.0 25.7	PTH -64.715 1 SCALE 0. 1.74977 2.99472 1.57873 3.02987	AZ 14.906 PT-PT 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.778 -20.450 4 -10.778 -20.350 5 -10.829 -20.339 6 -10.824 -20.441	RANGE AZS/C 21  RANGE 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3	AZN 10.9 10.5 11.1 11.2 10.6	TAB SEC 10 1M 25.589  AZSUN 4.80.7 39 -80.7 39 -80.5 30 -81.2 30 -81.2 31 -80.7 39	PACT 5  AZA 5.8 5.8 5.5 5.7 6.0 5.8	ALT 59.93552 A. 0.67348 0.66470 0.67742 0.68266 0.66951 0.66470	ATLAS PHO LAT -10.239 - B/A AZPHH 0.850 -89, 0.862 -88, 0.845 -89, 0.838 -89, 0.855 -89, 0.862 -88,	LON -21.447 AZ INCE -0 67.6 -4 67.7 -2 67.8 -7 67.9	R 1795.39; D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4 9 38.6 33.1 3 40.8 31.3 7 40.8 30.5	POD S V 2.579 ALPHA 27.0 25.9 28.3 28.0 25.7 25.9	PTH -64.715 1 SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48858	AZ 14.906 PT-PT 1-2 2-3 3-4 4-5 6-7
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450	25 MIN 23 SEC 21  RANGE AZS/C 70.07634 -54.2 69.17865 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3 69.17885 -53.9	AZN 10.9 10.5 11.1 11.2 10.6	TAB SEC 10 1M 25.589  AZSUN 4.80.7 39 -80.7 39 -80.5 30 -81.2 30 -81.2 31 -80.7 39	PACT 5  AZA 5.8 5.8 5.5 5.7 6.0 5.8	ALT 59.93552 A* 0.67348 0.66470 0.67742 C.68266 C.66951	LAT -10.239 - B/A AZPH/ 0.850 -89 0.862 -88 0.845 -88 0.838 -89 0.855 -89	LON -21.447 AZ INCE -0 67.6 -4 67.7 -2 67.8 -7 67.9	R 1795.39; D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4 9 38.6 33.1 3 40.8 31.3 7 40.8 30.5	POD S V 2.579 ALPHA 27.0 25.9 28.3 28.0 25.7 25.9	PTH -64.715 1 SCALE 0. 1.74977 2.99472 1.57873 3.02987	AZ 14.906 PT-PT 1-2 2-3 3-4 4-5 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 5 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450  JULY 31,1964 13 HR	25 MIN 23 SEC 21  RANGE AZS/C 70.07634 -54.2 69.17865 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3 69.17885 -53.9	AZN 10.9 10.5 11.1 11.2 10.6	TAB SEC 10 1Mi 25.589 AZSUN 3-80.9 33-80.5 33-81.2 33-80.7 37-81.2 37-81.2 37-	PACT 5 AZA 5.8 5.8 5.7 6.0 5.8	ALT 59.93552 A. 0.67348 0.66470 0.67742 0.68266 0.66951 0.66470	LAT -10.239 - B/A AZPH/ 0.850 -89, 0.862 -88, 0.845 -88, 0.834 -89, 0.855 -89, 0.855 -89, 0.852 -88,	LON -21.447 AZ INCO 67.8 AZ INCO 67.8 AZ 67.8 AZ 67.8 AZ 67.8 AZ 67.8 AZ 67.8 AZ 67.8	R 1795.39: 0 PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4 9 40.8 31.3 7 40.8 30.5	POD 5  V 2.579  ALPHA 27.0 25.9 28.3 28.0 25.7 25.9 POD 5	PTH -64.715 1 SCALE 0. 1.74977 2.994.72 1.57873 3.02987 1.48858 SEQUENCE N	AZ 14.906 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 950
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.787 -20.350 6 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 4 -10.780 -20.455 5 -10.823 -20.347	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.92656 -53.9 66.92656 -53.9 68.73487 -56.1 68.73487 -56.1	AZN 10.9 10.5 11.1 11.2 10.5 4 MS AZN 10.9 10.5	TAB  SEC 10 IMI 25.58:  AZSUN 3: -80.9 3: -80.5 3: -81.2 3: -81.3 3: -80.7 3: TAB  SEC 10 IMI 24.74:  AZSUN -80.9 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.5 3: -80.7 3:	PACT 5 AZA 5.8 5.7 6.0 5.8 NO PACT 6 AZA 5.8 5.8 5.5 5.7 6.9 5.8 5.8 5.8 5.5 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	ALT 59.93552 A. 0.67348 0.66470 0.67742 0.68266 0.66470 161 ALT 57.97676 A. 0.65155 0.64306 0.65536 0.66043	LAT -10.239 -BA AZPH- 0.850 -89, 0.850 -89, 0.855 -89, 0.855 -89, 0.852 -88. ATLAS PHI  LAT -10.252 -B/A AZPH- 0.856 -89, 0.856 -89, 0.856 -89, 0.856 -89, 0.856 -89, 0.856 -89, 0.856 -89, 0.856 -89, 0.856 -89, 0.856 -89, 0.856 -89,	LON 21.447  AZ INC. 10.67.6 10	R 1795.39:  O PHAZ EPIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4 1.4 40.8 33.5 161  R 1793.43 O PHAZ EMIS 7 40.8 30.5 161  R 1793.43 O PHAZ EMIS 7 40.8 30.5 8 38.6 32.4 8 30.5 8 38.6 32.4	POD 5  ALPHA 27.0 25.9  28.0 25.7 25.9  POD 5  ALPHA 27.0 25.9 26.9 27.0 27.9 28.0	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48856 SEQUENCE N  PTH 0.64.697 1 SCALE 0. 1.69267 2.89706	AZ 14.906 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 0 950 AZ 14.901 PT-PT 1- 2 2- 3 3- 4
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.339 6 -10.829 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 5 -10.823 -20.357 5 -10.823 -20.356 5 -10.823 -20.356 5 -10.823 -20.356	RANGE AZS/C 70.07034 -54.2 69.17885 -53.9 70.50575 -56.1 71.04856 -54.5 69.08215 -52.3 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.2056 -53.9 68.73487 -54.5 67.41331 -52.3	AZN 10.9 11.1 11.2 10.6 10.5 11.1 11.2 10.5 11.1 11.2 11.1 11.2 11.2 11.2 11.2	TAB  SEC TO IMI 25.58*  AZSUN 380.7 380.5 381.2 381.2 3. TAB  SFC TO IMI 24.74  AZSUN 480.9 380.5 380.5 381.2 3.	PACT 5 - 8 5 - 5 - 7 6 - 0 5 - 8 NO  PACT 6 - AZA 6 5 - 8 NO  PACT 6 - AZA 6 5 - 8 15 - 5 - 5 - 6 - 0 6 - 0	ALT 59.93552 A. 0.67348 C.66470 C.67742 C.68266 C.66951 ALT 57.97676 A. C.65155 C.64306 C.65536 C.66043 C.66771	LAT -10.239 -B/A AZPH/ 0.850 -89, 0.862 -88, 0.845 -89, 0.862 -86, ATLAS PH( -10.252 -B/A AZPH/ 0.85C -89, 0.862 -88, 0.862 -88, 0.862 -88, 0.862 -88, 0.863 -89, 0.863 -89, 0.863 -89, 0.864 -89, 0.865 -89, 0.865 -89, 0.865 -89, 0.865 -89,	LON -21.447  22 INCC -0 67.4  24 INCC -0 67.4  25 67.4  27 67.5  27 67.5  CON -21.419  AZ INCC -0 67.6  -2 67.4  -2 67.4  -3 67.5  -7 67.7  -7 67.7	160  R 1795.39. D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 33.1 4 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 7 40.8 30.5 6 38.6 33.1 4 40.8 30.5	POD 5  2.579  ALPHA 27.0 25.9 28.3 28.0 25.7 25.9  POD 5  V 2.580  ALPHA 27.0 25.9 28.0 25.7	PTH -64.715 1  SCALE 0. 1.74977 2.994.72 1.57873 3.02987 1.48858 SEQUENCE N  PTH -64.697 1 SCALE 0. 1.69267 2.89706 1.52731	AZ 14.906 PT-PT 1-2 2-3 3-4 4-5 5-6 7 0 950 AZ 14.901 PT-PT 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.787 -20.350 6 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 4 -10.780 -20.455 5 -10.823 -20.347	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.92656 -53.9 66.92656 -53.9 68.73487 -56.1 68.73487 -56.1	AZN 10.9 11.1 11.2 10.6 10.5 11.1 11.2 10.5 11.1 11.2 11.1 11.2 11.2 11.2 11.2	TAB  SEC TO IMI 25.58  AZSUN -80.7 3: -80.7 3: -81.2 3: -81.3 3: -80.7 3:  TAB  SEC TO IMI 24.74  AZSUN -80.9 3 -80.7 3:	3 NO PACT 5 AZA 5.8 5.8 5.5 7 6.0 9 PACT 6.2 8 NO PACT 6.5 6.8 6.5 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6	ALT 59.93552 A. 0.67348 C.66470 C.67742 C.68266 C.66470 161  ALT 57.97676 A. C.65155 C.664306 C.66536 C.66043 C.66043 C.66471 C.64306	ATLAS PHO  LAT  -10.239  B/A AZPHO 0.850 - 89, 0.862 - 88, 0.845 - 89, 0.855 - 89, 0.862 - 88, ATLAS PHO  LAT  -10.252  B/A AZPHO 0.85C - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88,	LCN -21.447  2 INCC -0 67.4  2 67.1  2 67.6  7 67.5  -4 67.1  OTO NO  LGN -21.419  AZ INCC -0 67.6  -2 67.6  -3 67.6  -4 67.1  -4 67.1  -4 67.1	160  R 1795.39. D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 33.1 8 40.8 31.2 7 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 7 31.8 8 39.7 31.8 8 39.7 31.8 8 38.6 33.1 6 40.8 30.5	POD ! 2.579 ALPHA 27.0 25.9 28.3 28.0 25.7 25.9 POD :  V 2.580 ALPHA 27.0 25.9 28.2 28.0 25.7	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48858 SEQUENCE N  PTH 064.697 1 SCALE 0. 1.69267 2.89706 1.52731 2.93105 1.44015	AZ 14.906 PT-PT 1-22-3 3-44-5 5-6-7 0 950 AZ 14.901 PT-PT 1-22-3 3-4-5 5-6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 5 -10.823 -20.354 6 -10.827 -20.347 6 -10.827 -20.455 7 -10.780 -20.455	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.92656 -53.9 68.73487 -54.5 67.41331 -52.3 66.92656 -53.9	AZN 10.9 10.5 11.1 11.2 10.6 4 MS	TAB  SEC TO IMI 25.58  AZSUN -80.7 3: -80.7 3: -81.2 3: -81.3 3: -80.7 3:  TAB  SEC TO IMI 24.74  AZSUN -80.9 3 -80.7 3:	PACT 5 - 8 5 - 5 - 7 6 - 0 5 - 8 NO  PACT 6 - AZA 6 5 - 8 NO  PACT 6 - AZA 6 5 - 8 15 - 5 - 5 - 6 - 0 6 - 0	ALT 59.93552 A. 0.67348 C.66470 C.67742 C.68266 C.66470 161  ALT 57.97676 A. C.65155 C.664306 C.66536 C.66043 C.66043 C.66471 C.64306	LAT -10.239 -B/A AZPH/ 0.850 -89, 0.862 -88, 0.845 -89, 0.862 -86, ATLAS PH( -10.252 -B/A AZPH/ 0.85C -89, 0.862 -88, 0.862 -88, 0.862 -88, 0.862 -88, 0.863 -89, 0.863 -89, 0.863 -89, 0.864 -89, 0.865 -89, 0.865 -89, 0.865 -89, 0.865 -89,	LCN -21.447  2 INCC -0 67.4  2 67.1  2 67.6  7 67.5  -4 67.1  OTO NO  LGN -21.419  AZ INCC -0 67.6  -2 67.6  -3 67.6  -4 67.1  -4 67.1  -4 67.1	160  R 1795.39. D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 33.1 8 40.8 31.2 7 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 7 31.8 8 39.7 31.8 8 39.7 31.8 8 38.6 33.1 6 40.8 30.5	POD ! 2.579 ALPHA 27.0 25.9 28.3 28.0 25.7 25.9 POD :  V 2.580 ALPHA 27.0 25.9 28.2 28.0 25.7	PTH -64.715 1  SCALE 0. 1.74977 2.994.72 1.57873 3.02987 1.48858 SEQUENCE N  PTH -64.697 1 SCALE 0. 1.69267 2.89706 1.52731	AZ 14.906 PT-PT 1-22-3 3-44-5 5-6-7 0 950 AZ 14.901 PT-PT 1-22-3 3-4-5 5-6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.339 6 -10.829 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 5 -10.823 -20.357 5 -10.823 -20.356 5 -10.823 -20.356 5 -10.823 -20.356	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.92656 -53.9 68.73487 -54.5 67.41331 -52.3 66.92656 -53.9	AZN 10.9 10.5 11.1 11.2 10.6 4 MS	TAB  SEC TO IMI 25.58  AZSUN -80.7 3: -80.7 3: -81.2 3: -81.3 3: -80.7 3:  TAB  SEC TO IMI 24.74  AZSUN -80.9 3 -80.7 3:	3 NO PACT 5 AZA 5.8 5.8 5.5 7 6.0 9 PACT 6.2 8 NO PACT 6.5 6.8 6.5 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6	ALT 59.93552 A. 0.67348 C.66470 C.67742 C.68266 C.66470 161  ALT 57.97676 A. C.65155 C.664306 C.66536 C.66043 C.66043 C.66471 C.64306	ATLAS PHO  LAT  -10.239  B/A AZPHO 0.850 - 89, 0.862 - 88, 0.845 - 89, 0.855 - 89, 0.862 - 88, ATLAS PHO  LAT  -10.252  B/A AZPHO 0.85C - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88, 0.885 - 89, 0.862 - 88,	LCN -21.447  2 INCC -0 67.4  2 67.1  2 67.6  7 67.5  -4 67.1  OTO NO  LGN -21.419  AZ INCC -0 67.6  -2 67.6  -3 67.6  -4 67.1  -4 67.1  -4 67.1	160  R 1795.39. D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 33.1 8 40.8 31.2 7 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 7 31.8 8 39.7 31.8 8 39.7 31.8 8 38.6 33.1 6 40.8 30.5	POD ! 2.579 ALPHA 27.0 25.9 28.3 28.0 25.7 25.9 POD :  V 2.580 ALPHA 27.0 25.9 28.2 28.0 25.7	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48858 SEQUENCE N  PTH 064.697 1 SCALE 0. 1.69267 2.89706 1.52731 2.93105 1.44015	AZ 14.906 PT-PT 1-22-3 3-44-5 5-6-7 0 950 AZ 14.901 PT-PT 1-22-3 3-4-5 5-6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 5 -10.823 -20.354 6 -10.827 -20.347 6 -10.827 -20.455 7 -10.780 -20.455	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.92656 -53.9 68.73487 -54.5 67.41331 -52.3 66.92656 -53.9	AZN 10.9 10.5 11.1 11.2 10.6 4 MS	TAB  SEC TO IMI 25.58:  AZSUN 3: -80.7 3: -80.7 3: -81.2 3: -80.7 3: TAB  SEC TO IMI 24.74:  AZSUN -80.9 3: -80.7 3: -80	3 NO PACT 5.8 5.8 5.5 7.6 6.0 9.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	ALT 59.93552 A.* 0.67348 0.66470 0.67742 0.68266 0.66470 161  ALT 57.97676 A.* 0.65155 0.64306 0.65536 0.64306 162	ATLAS PHO  LAT  -10.239  -8 A AZPHH  0.850 -89, 0.862 -88, 0.838 -89, 0.855 -89, 0.862 -88, ATLAS PHO  LAT  -10.252  B/A AZPHH  0.856 -89, 0.862 -88, 0.845 -89, 0.862 -88, 0.863 -89, 0.862 -88	LON -21.447  22 INCC -0 67.6 -21.497  DTO NO  LGN -21.419  AZ INCC -0 67.6 -4 67.1 -21.419  AZ INCC -0 67.6 -4 67.7 -7 67.6 -7 67.6 -7 67.6 -7 67.6 -7 67.6 -7 67.6 -7 67.6 -7 67.6 -7 67.6 -1	160  R 1795.39: D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4 9 38.6 33.1 7 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 1793.43 D PHAZ EMIS 8 39.7 31.8 2 40.8 30.5 162 R 1793.43	POD S  V 2.579  ALPHA 27.0 25.9 28.3 28.0 25.7 25.9 POD S  V 2.580  ALPHA 27.0 25.9 28.2 28.0 25.7 25.9 POD S	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48856 SEQUENCE N  PTH 0.64.697 1 SCALE 0. 1.69267 2.89706 1.52731 2.93105 1.44015 SEQUENCE N	AZ 14.906 PT-PT 1-22-3 3-44-5 6-7 0 950 AZ 14.901 PT-PT 1-22-3 3-4-5 6-7 0 951
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 4 -10.773 -20.358 5 -10.823 -20.347 6 -10.827 -20.455  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA 10N 2 -10.801 -20.405 5 -10.823 -20.347 6 -10.827 -20.455	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.08215 -52.3 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.92656 -53.9 68.73487 -54.5 67.41331 -52.3 66.92656 -53.9	AZN 10.9 10.5 11.1 11.2 10.5 4 MS AZN 10.9 10.5 10.5 10.5 10.6 10.5 4 MS	TAB  SEC 10 IM 25.58  AZSUN 3 -80.7 3 -80.7 3 -81.2 3 -81.2 3 -81.2 3 -81.3 3 -80.7 3  TAB  SEC 10 IM 24.74  AZSUN 3 -80.7 3 -81.2 3 -	PACT 5.8 5.5.7 6.0 9 PACT 6.0 8 B NO	ALT 59.93552 A. 0.67348 0.66470 0.67742 0.68266 0.66470 161 ALT 57.97676 0.65536 0.64306 0.65536 0.6471 0.664306 162 ALT 56.01715 A.	LAT -10.239 -87A AZPHA -10.239 -88A AZPHA 0.850 -89, 0.862 -88, 0.838 -89, 0.855 -89, 0.862 -88, ATLAS PHO -10.252 -87A AZPHA 0.85C -89, 0.862 -88, 0.855 -89, 0.862 -88 ATLAS PHO -10.264 -88A AZPHA -10.264 -88A AZPHA -10.264 -88A AZPHA -10.264 -88A AZPHA -10.264	LON -21.447  AZ INCC -67.1 -2 67.4 -7 67.5 -7 67.5 -7 67.5 -7 67.6 -1 67.6 -1 67.6 -21.419  AZ INCC -0 67.6 -2 67.6 -2 67.6 -3 67.6 -3 67.6 -4 67.1 -4 67.1 -4 67.1 -4 67.3 -7 67.1 -4 67.3 -7 67.1 -4 67.3 -7 67.1 -4 67.3 -7 67.1 -4 67.3 -7 67.1 -4 67.3 -7 67.1 -4 67.3 -7 67.1 -4 67.3	160  R 1795.39. D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 33.1 8 40.8 31.2 7 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 7 40.8 30.5 162 R 1791.47 D PHAZ EMIS	POD S  2.579 ALPHA 27.0 25.9 28.3 28.0 25.7 25.9 POD S  V 2.58C  ALPHA 27.0 25.9 28.0 25.7 25.9 POD	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48858 SEQUENCE N  PTH 0.64.697 1 SCALE 0. 1.69267 2.99105 1.44015 SEQUENCE N	AZ 14.906 PT-PT 1-222-3 3-4-5 6-7 0 950 AZ 14.901 PT-PT 1-22-3 3-4-5 5-6-7 0 951 AZ 14.895
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 5 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 4 -10.773 -20.354 5 -10.823 -20.347 6 -10.827 -20.455  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.773 -20.354 7 -10.780 -20.455	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -54.5 69.17885 -54.5 69.17885 -54.5 69.17885 -54.5 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.92656 -53.9 25 MIN 24 SEC 89  RANGE AZS/C 68.73487 -54.2 68.73487 -54.2 68.73487 -54.2 68.73487 -54.2 68.73487 -54.2 68.73487 -54.2 68.73487 -54.2 68.73487 -54.2 68.73487 -54.2 68.73487 -54.2	AZN 10.9 10.5 11.1 11.2 10.6 10.5 11.1 11.2 10.6 10.5 10.5 11.1 11.2 10.6 4 MS	TAB  SEC TO IMI 25.58:  AZSUN 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.5 3: -80.7 3: -80.7 3: -80.7 3: -80.7 3: -80.9 3: -80.7 3: -80.7 3: -80.9 3: -80.7 3: -80.9 3: -80.7 3: -80.9 3: -80.7 3: -80.9 3: -80.7	3 NO PACT 5 A Z A A 5 - 8 B S - 5 - 7 G - 0 B NO PACT 6 A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A A Z A B S - 8 B NO	ALT 59.93552  A. 667348 C. 667348 C. 66470 C. 66951 C. 66470 161  ALT 57.97676 A. C. 65155 C. 64306 C. 66043 C. 66043 C. 66043 C. 64771 C. 64306 162  ALT 56.01715 A. C. 62961	ATLAS PHO  LA1 -10.239 -8A AZPHO 0.850 -89, 0.862 -88, 0.838 -89, 0.855 -88, ATLAS PHO  LA1 -10.252 -8A AZPHO 0.856 -89, 0.862 -88 0.845 -88 0.845 -88 0.845 -88 0.845 -88 0.845 -88 0.845 -88	LON -21.447  LON -21.447  LON -21.447  LON -21.419  LCN -21.419  AZ INCC. 0 67.6 -4 67.1 -7 67.6 -7 67.6 -7 67.6 -7 67.6 -7 67.1 -7 67	160  R 1795.39: D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 161  1793.43 D PHAZ EMIS 8 39.7 31.8 7 40.8 30.5 161  1793.43 D PHAZ EMIS 8 39.7 31.8 7 40.8 30.5 162  R 1791.47 D PHAZ EMIS 8 39.7 31.8	POD S  V 2.579  ALPHA 27.0 25.9  28.3 28.0 25.7 25.9  POD S  ALPHA 27.0 25.9  POD S  ALPHA 27.0 25.9  ALPHA 27.0 25.9	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48858 SEQUENCE N PTH 064.697 1 SCALE 0. 1.69267 2.89706 1.52731 2.93105 1.44015 SEQUENCE N	AZ 14.906 PT-PT 1-2 2-3 3-4 4-5 6-7 0 950 AZ 14.901 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 951 AZ 14.895 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 5 -10.829 -20.350 5 -10.829 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.795 -20.4098 3 -10.775 -20.4098 3 -10.775 -20.459	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.73467 -54.5 67.41331 -52.3 66.92656 -53.9  Z5 MIN 24 SEC 69  RANGE AZS/C 67.73487 -54.5 66.92656 -53.9	AZN 10.9 10.5 4 MS AZN 10.9 10.5 4 MS AZN 10.5 4 MS AZN 10.5 4 MS AZN 10.9 10.5 10.6 10.5 4 MS	TAB  SEC TO IMI 25.58  AZSUN 3.80.7 3.7 3.80	PACT  AZA  AZA  B 5 - 8  5 - 7  6 - 9  PACT  AZA  B NO  PACT  AZA  B NO  PACT  AZA  AZA  B NO  PACT  AZA  AZA  AZA  AZA  AZA  AZA  AZA	ALT 59.93552 A. 0.67348 C.66470 C.67742 C.68266 C.66951 A. C.665536 C.66536 C.66043 C.66470 C.64306 C.6536 C.66043 C.6471 C.64306 C.6536 C.66043 C.6471 C.64306 C.6536 C.66043	B/A AZPHO 0.850 -89 0.862 -88 0.838 -89 0.865 -89 0.865 -89 0.862 -88 ATLAS PHO 0.855 -89 0.862 -88 ATLAS PHO 0.855 -89 0.862 -88 ATLAS PHO 0.856 -89 0.862 -88 ATLAS PHO 0.856 -89 0.862 -88 ATLAS PHO 0.856 -89 0.862 -88	LCN -21.447  LCN -21.447  LCN -67.1  LCN -67.6  LCN -21.419  AZ INCC  .0 67.6  .4 67.1  OTO NO  LCN -21.392  AZ INCC  .0 67.6  .1 67.1  .2 67.8  .2 67.8  .3 67.8  .4 67.3	160  R 1795.39. D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 38.6 33.1 8 40.8 31.2 7 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 7 40.8 30.5 162  R 1791.47 D PHAZ EMIS 8 39.7 31.8 7 40.8 30.5	POD S  V 2.579  ALPHA 27.0 25.9  28.3 28.0 25.7  25.9  POD S  V 2.586  ALPHA 27.0 25.9  POD S  ALPHA 27.0 25.9  ALPHA 27.0 25.9  ALPHA 27.0 25.9	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48858 SEQUENCE N  PTH 0.64.697 1 SCALE 0. 1.69267 2.89706 1.52731 2.93105 1.44015 SEQUENCE N	AZ 14.906 PT-PT 1-22-3 3-44-5 6-7 0 950 AZ 14.901 PT-PT 1-22-3 3-44-5 5-6 6-7 0 951 AZ 14.895 PT-PT 1-22-3 3-43-4 14.895
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.450 5 -10.829 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 4 -10.773 -20.358 5 -10.827 -20.455  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.801 -20.405 7 -10.780 -20.455 4 -10.773 -20.358 5 -10.827 -20.455  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.795 -20.455  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.795 -20.408 3 -10.775 -20.408 3 -10.775 -20.459 4 -10.775 -20.459 5 -10.816 -20.355 5 -10.816 -20.355	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.73467 -54.5 67.41331 -52.3 66.92656 -53.9  Z5 MIN 24 SEC 89  RANGE AZS/C 67.79459 -54.2 66.73467 -54.5 66.7267 -53.9 65.71831 -52.3 66.7267 -53.9 65.71831 -52.3 66.92656 -53.9	AZN 10.9 10.5 4 MS AZN 10.9 10.5 4 MS AZN 10.5 4 MS	TAB  SEC TO IMI 25.58:  AZSUN 3: -80.7 3: -80.7 3: -81.2 3: -81.2 3: -80.7 3:  TAB  SEC TO IMI 24.74:  AZSUN -80.9 3: -80.5 3: -80.7 3: -8	3 NO PACT  AZA  AZA  BESS  SS  SS  BNO  PACT  AZA  AZA  AZA  AZA  AZA  AZA  BNO  PACT  AZA  AZA  AZA  BNO  PACT  AZA  AZA  BNO  AZA  AZA  BNO  AZA  AZA  BNO  AZA  BNO  AZA  BNO  AZA  BNO  AZA  BNO  BNO  AZA  BNO  BNO  BNO  BNO  BNO  BNO  BNO  BN	ALT 59.93552 A.* 0.67348 0.66470 0.67742 0.68266 0.66470 161  ALT 57.97676 A.* 0.65536 0.66043 0.6471 0.64306 162  ALT 56.01715 A.* 0.62961 0.62961 0.62961 0.63329 0.633818	ATLAS PHO  LAT -10.239  -8/A AZPH 0.850 -89, 0.862 -88, 0.835 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.856 -88, 0.835 -89 0.852 -88  ATLAS PHO  LAT -10.252  B/A AZPH 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.855 -89, 0.862 -88, 0.8645 -88, 0.8645 -88, 0.8645 -88, 0.865 -89, 0.865 -8	LON -21.447  2 INCE -67.1  2 G7.6  -7 67.5  -1 67.5  -1 67.6  -1 67.6  -2 67.6  -2 67.6  -2 67.6  -3 67.6  -4 67.7  -2 67.6  -3 67.6  -4 67.7  -3 67.6  -3 67.6  -3 67.6  -4 67.7  -3 67.6  -3 6	160  R 1795.39. D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4 9 38.6 33.1 7 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 7 40.8 30.5 162  R 1791.47 D PHAZ EMIS 8 39.7 31.8 7 40.8 30.5 8 38.6 32.4 7 40.8 30.5 8 38.6 32.8 8 38.6 33.8	POD S  2.579  ALPHA 27.0 25.9 28.3 28.0 25.7 25.9  POD S  V 2 2.586  ALPHA 27.0 25.9  POD S  ALPHA 27.0 25.9  ALPHA 27.0 25.9  POD S  ALPHA 27.0 25.9  POD S	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48858 SEQUENCE N  PTH 064.697 1 SCALE 0. 1.69267 2.993105 1.44015 SEQUENCE N  PTH 164.680 1 SCALE 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	AZ 14.906 PT-PT 1-22 2-3 3-4 4-5 5-6 6-7 0 950 AZ 14.901 PT-PT 1-22 2-3 3-4 4-5 5-6 6-7 0 951
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.806 -20.396 3 -10.785 -20.450 4 -10.778 -20.350 5 -10.829 -20.339 6 -10.834 -20.441 7 -10.785 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.801 -20.402 3 -10.780 -20.455 4 -10.773 -20.358 5 -10.827 -20.455 JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.780 -20.455  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.780 -20.455  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.795 -20.496 3 -10.795 -20.496 3 -10.795 -20.496 3 -10.779 -20.496 3 -10.769 -20.365	RANGE AZS/C 70.07634 -54.2 69.17885 -53.9 70.50576 -56.1 71.04856 -54.5 69.68215 -52.3 69.17885 -53.9 25 MIN 24 SEC 5  RANGE AZS/C 67.79459 -54.2 66.2056 -53.9 25 MIN 24 SEC 89  RANGE AZS/C 67.41331 -52.3 66.92656 -53.9 25 MIN 24 SEC 89	AZN 10.9 10.5 11.1 11.2 10.6 4 MS AZN 10.9 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	TAB  SEC 10 1Mi 25.58'  AZ SUN	3 NO PACT  AZA  AZA  BESS  SS  SS  BNO  PACT  AZA  AZA  AZA  AZA  AZA  AZA  BNO  PACT  AZA  AZA  AZA  BNO  PACT  AZA  AZA  BNO  AZA  AZA  BNO  AZA  AZA  BNO  AZA  BNO  AZA  BNO  AZA  BNO  AZA  BNO  BNO  AZA  BNO  BNO  BNO  BNO  BNO  BNO  BNO  BN	ALT 59.93552 A. 0.67348 C.66470 C.67742 C.68266 C.666951 ALT 57.97676 A. C.65155 C.64306 C.66536 C.66043 C.64771 C.64306 162 ALT 56.01715 A. C.62961 C.62140 C.63329	LAT -10.239  B/A AZPH 0.850 -89, 0.862 -88, 0.845 -98, 0.862 -88, ATLAS PH  LAT -10.252  B/A AZPH 0.85C -89, 0.862 -88, 0.852 -88, 0.852 -88, 0.852 -88, 0.852 -88, 0.852 -88, 0.852 -88, 0.855 -89, 0.862 -88, 0.855 -89, 0.862 -88, 0.855 -89, 0	LON 21.447  AZ INCE 67.12.67.67.67.67.67.67.67.67.67.67.67.67.67.	160  R 1795.39  D PHAZ EMIS 3 39.7 31.8 7 40.8 30.5 3 38.6 32.4 9 38.6 33.1 1 40.8 30.5 161  R 1793.43 D PHAZ EMIS 8 39.7 31.8 8 39.7 31.8 8 40.8 30.5 162  R 1791.47 D PHAZ EMIS 8 39.7 31.8 8 39.7 31.8 8 39.7 31.8 8 39.7 31.8 8 39.7 31.8	POD S  2.579  ALPHA 27.0 25.9 28.0 25.7 25.9 POD  2 2.580  ALPHA 27.0 25.9 26.2 28.0 25.7 25.9 POD	PTH -64.715 1  SCALE 0. 1.74977 2.99472 1.57873 3.02987 1.48858 SEQUENCE N  PTH 0.64.697 1 SCALE 0. 1.69267 2.89706 1.52731 2.93105 1.44015 SEQUENCE N	AZ 14.906 PT-PT 1-222-3 3-4-5 6-7 0 950 AZ 14.901 PT-PT 1-22-3 3-4-5 6-7 0 951 AZ 14.895 PT-PT 1-22-3 3-4-5 5-6-6-7

		RA-VII CAMERA	A P1 28
		TAB NO	163 ATLAS PHOTO NO 163 POD SEQUENCE NO 952
JULY 31,1964 13 HR	25 MIN 25 SEC 734 MS	TAB 140	105 ALEAS FROM NO 105 FOR SEQUENCE NO 352
TRAJECTORY DATA		SEC TO IMPACT 23.066	ALT LAT LON R V PTH AZ 54.0574C -10,277 -21.365 1789.513 2.582 -64.662 114.890
PHOTO DATA PT LAT LON 2 -10.789 -20.414 3 -10.771 -20.463 4 -10.764 -20.373 5 -10.810 -20.363 6 -10.814 -20.454 7 -10.771 -20.463	RANGE AZ5/C AZ1 63.22725 -54.2 10. 62.41810 -53.9 10. 63.61440 -56.1 11. 64.10364 -54.5 11. 62.871.7652.3 10. 62.41810 -53.9 10.	AZSUN AZA 9 -80.9 35.8 1 -80.7 35.8 1 -80.5 35.5 2 -81.2 35.7 5 -81.3 36.0	A* 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.60766 0.850 -89.0 67.8 39.7 31.8 27.0 0. 1-2 C.59974 0.862 -88.3 67.7 40.8 30.5 25.9 1.57842 2-3 C.61121 0.845 -88.2 67.8 38.6 32.4 28.2 2.70163 3-4 C.61593 0.638 -89.7 67.8 38.6 33.1 28.0 1.42425 4-5 C.604C8 C.655 -89.7 67.7 40.8 30.5 25.9 1.34301 6-7
JULY 31,1964 13 HR	25 MIN 26 SEC 674 MS	TAB NO	164 ATLAS PHOTO NO 164 POD SEQUENCE NO 953
TRAJECTURY DATA	25 MIN 20 SEC 514 MS	SEC TO IMPACT	ALT LAT LON
PHOTO DATA		22.226	ALI LAT LUN R V PTH AZ 52.09682 -10.289 -21.337 1787.552 2.583 -64.644 114.885
PT LAT LCN 2 -10.784 -20.420 3 -10.766 -20.468 4 -10.759 -20.380 5 -10.804 -20.371 6 -10.808 -20.459 7 -10.766 -20.468	RANGE AZS/C AZI 60.94168 -54.2 10. 60.16197 -53.9 10. 61.31473 -56.1 11. 61.78611 -54.5 11. 60.59909 -52.3 10. 60.16197 -53.9 10.	9 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.5 2 -81.2 35.7 5 -81.3 36.0	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.58569 0.850 -89.0 67.8 39.7 31.8 27.0 0. 1-2 2 0.57806 0.862 -88.3 67.7 40.8 30.5 25.9 1.52127 2-3 0.58912 0.645 -88.2 .67.8 38.6 32.4 28.2 2.60383 3-4 0.59366 0.838 -89.7 67.8 38.6 33.1 28.0 1.37272 4-5 0.58224 0.855 -89.7 67.7 40.8 31.2 25.7 2.33434 5-6 0.57806 0.862 -88.3 67.7 40.8 30.5 25.9 1.29439 6-7
JULY 31,1964 13 HR	DI MIN DE CEC (11 ME	TAB NO	165 ATLAS PHOTO NO 165 POD SEQUENCE NO 954
TRAJECTORY DATA	25 MIN 27.5EC 414 MS	SEC TO IMPACT	ALT LAT LON R V PTH A2
PHOTO DATA		21.385	50.13568 -10.302 -21.310 1785.591 2.585 -64.626 114.880
PT LAT LON 2 -10.778 -20.426 3 -10.761 -20.472 4 -10.755 -20.388 5 -10.797 -20.379 6 -10.801 -20.464 7 -10.761 -20.472	RANGE AZS/C AZ 58.65491 -54.2 10. 57.90464 -53.9 10. 59.01387 -56.1 11. 59.46741 -54.5 11. 58.32524 -52.3 10. 57.90464 -53.9 10.	8 -80.9 25.8 5 -80.7 35.8 1 -80.5 35.5 2 -81.2 35.7 6 -81.3 36.0	A+ 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.55637 0.862 -89.0 67.8 39.7 31.8 27.0 0.1 1-2 3 0.56721 0.862 -88.3 67.7 40.8 30.5 25.9 1.46409 2-3 0.56701 0.845 -88.2 67.8 38.6 32.3 28.2 2.50600 3-4 0.57139 0.855 -89.7 67.8 38.6 32.3 28.2 2.50600 3-4 0.57139 0.855 -89.7 67.8 38.6 33.1 28.0 1.32109 4-5 0.56039 0.855 -89.7 67.7 40.8 31.2 25.7 2.53534 5-6 0.555637 0.862 -88.3 67.7 40.8 30.5 25.9 1.24577 6-7
JULY 31,1964 13 HR	25 MIN 28 SEC 254 MS	TAB NO	166 ATLAS PHOTO NO 166 POD SEQUENCE NO 955
TRAJECTORY DATA		SEC TO IMPACT	ALT LAT LON R V PTH AZ
PHOTC DATA PT LAT LON 2 -10.772 -20.432 3 -10.756 -20.476 4 -10.750 -20.395 5 -10.791 -20.387 6 -10.794 -20.468 7 -10.756 -20.476	RANGE AZS/C AZ 56.36659 -54.2 10. 55.66577 -53.9 10. 56.71144 -56.1 11. 57.11473 -54.5 11. 56.07982 -52.3 10. 55.64577 -53.9 10.	5 -80.7 35.8 1 -80.5 35.5 2 -81.2 35.7 6 -81.3 36.0	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 0.554172 0.850 -88.3 67.7 40.8 30.5 25.9 1.40687 2-3 C.54469 0.835 -88.2 67.8 38.6 32.3 28.2 2.40814 3-4 C.54909 0.835 -89.7 67.8 38.6 32.3 28.2 2.40814 3-4 C.55407 0.855 -89.7 67.8 38.6 33.0 28.0 1.26955 4-5 C.53853 0.855 -89.7 67.7 40.8 30.5 25.9 1.19715 6-7
JULY 31,1964 13 HR	25 MIN 29 SEC 94 MS	TAB NO	167 ATLAS PHOTO NO 167 POD SEQUENCE NO 956
TRAJECTORY DATA	_	SEC TO IMPACT	
PHOTO DATA PT LAT LCN 2 -10.767 -20.438 3 -10.751 -20.461 4 -10.745 -20.403 5 -10.784 -20.335 6 -10.786 -20.473 7 -10.751 -20.461	RANGE AZS/C AZ 54.07752 -54.2 10. 53.38614 -53.9 10. 54.40828 -56.1 11. 54.82613 -54.5 11. 53.77366 -52.3 10. 53.38614 -53.9 10.	5 -80.7 35.8 1 -80.5 35.5 2 -81.2 35.7 6 -81.3 36.0 5 -80.7 35.8	46.21152 -10.327 -21.255 1781.667 2.587 -64.591 114.870  A B/A AZPHAZ INCC PHAZ EMIS ALPHA SCALE PT-PT C.51972 C.45C -89.0 67.8 39.7 31.8 27.0 U. 1-2 C.51276 0.862 -86.3 67.7 4 C.8 30.5 25.9 1.34967 2-3 C.52276 0.845 -88.2 67.8 38.6 32.3 28.2 2.31021 3-4 C.52279 C.459 -89.7 67.4 38.6 33.0 28.0 1.21793 4-5 C.516c6 C.656 -89.7 67.7 40.8 31.2 25.7 2.33721 5-6 C.51296 C.862 -60.3 67.7 40.8 30.5 25.9 1.14843 6-7 C.51296 C.862 -60.3 67.7 40.8 30.5 25.9 1.14843 6-7
JULY 31,1964 13 HR	25 MIN 29 SEC 934 MS	TAB NO	168 ATLAS PHOTO NO 168 POD SEQUENCE NO 957
TRAJECTORY DATA		SEC TO LEPACT	ALT LAT LON R V PTH AZ
PHOTO DATA PT LAT LCA 2 -10.761 -20.444 3 -10.746 -20.445 4 -10.740 -20.415 5 -10.775 -20.403 6 -10.781 -20.478 7 -10.746 -20.485	RANGE AZS/C AZS/C 51.7den3 -54.2 10. 51.7den3 -54.2 10. 51.12469 -53.9 10. 52.10346 -56.1 11. 52.50344 -54.5 11. 51.4991 -52.3 10. 51.12469 -53.9 10.	8 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.5 2 -81.2 35.7 6 -81.3 36.0	44.24e37 -10.340 -21.227 1779.704 2.588 -64.573 114.864  A BAA AZPHAZ INCD PHAZ EMIS ALPHA C.49771 0.65C -89.0 67.7 39.7 31.7 26.9 0.49123 C.662 -86.3 67.7 4C.8 30.5 25.9 1.29244 2-3 C.50661 C.645 -80.2 67.6 38.6 32.3 28.2 2.21223 3-4 C.50447 C.839 -89.7 67.6 38.6 33.0 28.0 1.1663C 4-5 0.49478 C.656 -89.7 67.7 4C.8 31.2 25.7 2.23808 5-6 C.49123 C.66Z -86.3 67.7 40.8 30.5 25.9 1.09980 6-7

TABLECTION DATA  **PROTECTION****  **PROTECTION****  **PROTECTION****  **PROTECTION***  **PROTECTION**  **PROTECTION***  **PR				RA-VII CAMERA	A P1.			29
TRAJECTORY DATA   SCALE   PLOTE   PROTECTION   PROPERTY   PROTECTION	101 V 31 1044 13 HP	25 MIN 30 SEC 774	M.C.	TAB NO	169	ATLAS PHOTO NO	169	POD SEQUENCE NO 958
	-	25 818 30 300 714		SEC TO IMPACT	ALT	LAT LON	R	V PTHAZ
PT LATS LON RANCE ALS/C JAN ALSON ALA ROLL AND ALL ROLL A								2.589 -64.555 114.859
2 - 10.755 - 20.451		RANGE AZS/C	AZN	AZ SUN AZ A	Α.	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
4 - 10, 728 - 20, 418 99, 79785 - 56.1   11.1 - 40.5   35.5   0.7896 0.85 - 88.2   67.8   36.8   32.3   28.2   2.11422   3.4   7.10714   - 20, 499   48.8   62.5   - 53.7   10.5   - 80.7   35.8   50.4   69.5   - 88.2   67.8   36.8   32.3   28.2   2.11422   3.4   7.10714   - 20, 499   48.8   62.5   - 53.7   10.5   - 80.7   35.8   50.4   69.5   - 68.3   67.7   40.8   30.5   25.9   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   1.11539   4.5   4.11539	2 -10.755 -20.451	49.49534 -54.2	10.8	-80.9 35.8		0.850 -89.0 67.7	39.7 31.7	26.9 0. 1-2
5 - 10.772 - 20.411	3 -10.741 -20.489	48.86285 -53.9			0.46950	0.862 -88.3 67.7		25.9 1.23518 2- 3
6 - 10.779 - 20.489 4. 49.21735 - 22.3 10.6 - 31.3 36.0 (-47288 0.895 - 89.7 6.7.1 40.8 31.2 25.7 2.1 1.1019 % - 7 10.710 - 20.489 4.0 10.5 50.7 31.5 6.0 4.77 0.8 31.0 170 POD SEQUENCE NO 999  JULY 31,1964 13 HR 25 M1A 31 SEC 613 M5  TAB NO 170 ATLAS PHOTO NO 170 POD SEQUENCE NO 999  PHOTO DATA  PHOTO DAT		50.18006 -54.5			0.48215	0.839 -89.7 67.8		28.0 1.11458 4-5
TRAJECTORY DATA  SEC TO IMPACT 17-166  ALT 17-166  ALT 18-160  ALT 18-16		49.2173552.3	10.6	-81.3 36.0	0.47288	0.85689.767.7	40.8.31.2	25.7 2.13891 5-6
TRAJECTORY DATA  SEC. TO PIPACT 17.18c.  SEC. TO PIPACT 18.18c.  SEC. TO PIPAC	7 -10.741 -20.489	48.86285 -53.9	10.5					
2 -10.750 -20.457 4.72022 -52.4 10.6 -80.4 35.6 1.6 2.6 2.5 10.6 2.6 2.5 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	JULY 31,1964 13 HR	25 MIN 31 SEC 613	MS	THE ITE	2,0	ALDIO THOTO NO		. 05 02402.102 110
2 -10.750 -20.457 4.72022 -52.4 10.6 -80.9 35.8 C.4575 0.682 -80.9 10.7 10.7 10.7 10.7 10.7 10.7 10.7 10.7	TRAJECTORY DATA			SEC. TO IMPACT	ALT	LAT . LON	R	2 500 -46 537 116 856
2 - 10.750 - 20.457	PHOTO DATA			17.100	40.5200	-10.565 -21.171	1113.110	21370 -041331 1140031
3 - 10.736 - 20.494	PT LAT LGN	RANGE AZS/C	AZN	AZ SUN AZ A		B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
4 - 10.731 - 20.426	2 -10.750 -20.457	41.20228 -54.2	10.8	~80.9 35.8 -80.7 35.8	0.45365	U.851 -89.0 67.7 0.862 -84.3 67.7	39.7 31.7 40.8 30.5	25.9 1.17786 2-3
5 - 10.765 - 20.419 47.85367 - 34.5 11.2 - 81.2 35.7 0.45981 0.889 - 99.7 67.8 38.6 33.0 28.0 1 1.06234 4-5 7 10.1736 - 20.494 40.59924 - 35.9 10.5 - 80.7 35.8 0.45981 0.889 - 99.7 67.8 38.6 33.0 28.0 1 1.06234 5-5 7 10.1736 - 20.494 40.59924 - 35.9 10.5 - 80.7 35.8 0.45985 0.985 - 99.7 67.7 40.8 31.2 25.7 2.03970 5-6 7 10.1736 - 20.494 40.59924 - 35.9 10.5 - 80.7 35.8 0.44975 0.8802 - 88.3 67.7 40.8 31.0 28.0 25.2 2.0 10.0236 5-6 7 10.0736 - 20.494 40.59924 - 35.9 10.5 - 80.7 35.8 0.44975 0.8802 - 88.3 67.7 40.8 31.0 25.2 25.9 11.0 1.00236 5-6 10.349 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.	4 -10.731 -20.426	47.49068 -56.1	11.1	-80.5 35.5	C.45629	0.845 -88-2 67.8	38.6.32.3	28.2 2.01617 3- 4
TAB NO 171 ATLAS PHOTO NO 171 POD SEQUENCE NO 960  JULY 31,1964 13 HR 25 MIN 32 SEL 453 MS  SEC TO IMPACT HOLDO ATLA PHOTO DATA PHOT	5 -10.765 -20.419	47.85507 ~54.5	11.2	-81.2 35.7	0.45981	0.839 -89.7 67.8	38.6 33.0	28.0 1.06294 4- 5
TAB NO 171 ATLAS PHOTO NO 171 POD SEQUENCE NO 960  JULY 31,1964 13 HR 25 PIN 32 SEL 453 MS  SEC 10 IMPACT 16.346 38.35006 -10.378 -21.144 1773.811 2.592 -64.519 114.848  PHOTO DATA PI LAT LON RANGE ALS/C ALN A/SUN AZA AL BAA AZPHAL INCO PHAZ EMIS ALPHA 2.592 -64.519 114.848  PLATE AL CON RANGE ALS/C ALN A/SUN AZA AL BAA AZPHAL INCO PHAZ EMIS ALPHA 2.503 AZA ALPHAL INCO PHAZ EMIS ALPHA 2.504 AZA ALPHA								
Sec 10   IPPACT   Sec 10   I		10137721 3317						
PHOTO DATA PT LAT LON RANGE AZS/C AZN A/SUN AZA A** B/A AZPHAZ INCD PHAZ ENIS ALPHA SCALE PI-PT 3 - 10.731 - 20.463 44.90793 - 54.2 10.8 - 80.9 35.8 0.43160 U.851 - 89.0 67.7 35.3 11.7 28.9 0	JULY 31,1964 13 HR	25 MIN 32 SEC. 453	MS	IAB NO	1/1	AILAS PHOTO NO		
PHOTO DATA PT LAT LON RANGE 4/5/C AZN A/SUN AZA A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2 - 10.744 - 20.463 44.90793 - 34.2 I 0.8 - 80.7 35.8 0.4316 0.851 - 89.0 67.7 39.7 31.7 26.9 0 1.2 2 1.2056 2.3 3 - 10.731 - 20.498 4.3933 - 30.39. 10.5 - 80.7 35.8 0.4258 6.862 - 88.5 7.7 40.8 30.5 25.9 1.12056 2.3 4 - 10.720 - 20.434 4.3933 - 30.39. 10.5 - 80.7 35.8 0.4258 6.862 - 88.5 7.7 40.8 30.5 25.9 1.12056 2.3 5 - 10.759 - 20.477 40.8 30.5 32.3 28.0 1.12056 2.3 5 - 10.759 - 20.477 40.8 30.5 32.3 28.0 1.01011 4.5 6 - 10.762 - 20.404 44.5583 - 32.19 10.5 - 80.7 35.8 0.6 4.2586 0.882 - 88.7 67.8 38.6 32.3 28.0 1.01011 4.5 6 - 10.762 - 20.404 44.5583 - 32.19 10.5 - 80.7 35.8 0.6 4.2586 0.882 - 88.7 67.7 40.8 30.5 25.9 0.95364 6.7 7 - 10.731 - 20.498 4.3383 - 30.39 10.5 - 80.7 35.8 0.6 4.2586 0.882 - 88.7 67.7 40.8 30.5 25.9 0.95364 6.7 7 10.731 - 20.498 4.3383 - 30.39 10.5 - 80.7 35.8 0.8 0.9053 - 10.190 - 21.110	TRAJECTURY DATA				ALT 38.35606	LAT LCN 5 -10.378 -21.144		
2 - 10.744 - 20.463	PHOTO DATA							
3 - 10.731 - 20.498	PT LAT LON	RANGE AZS/C				8/A AZPHAZ INCE	PHAZ EMIS	
5 - 10.759 - 20.427					C.42598	0.862 -88.3 67.7	40.8 30.5	25.9 1.12056 2- 3
6 - 10.762 - 20.492	4 -10.726 -20.434	45.18222 -56.1		-80.5 35.5	0.43411	C.845 -88.2 67.6	38.6 32.3	28.2 1.91807 3- 4
TABLECTORY DATA  TABLEC		45.52880 -54.5						
TRAJECTORY DATA  PHOTO PHACE PHIZE PHIZE ALPHA SCALE PT-PT  CASE PHOTO PHOTO PHOTO PHACE PHIZE ALPHA SCALE PT-PT  CASE PHOTO	7 -10.731 -20.498	44.33433 -53.9		-80.7 35.8		0.862 -88.3 67.7	40.8 30.5	25.9 0.95364 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/S/C A/N A/S NA A/				TAR NO	172	ATLAS PHOTO NO	172	POD SEQUENCE NO 961
PHOTC DATA  PT LAT LCN  RANGE AZ2 AZN AZSUN AZA  PT LAT LCN  SANGE AZ2 AZN AZSUN AZA  PT LAT LCN  SANGE AZ2 AZN AZSUN AZA  PT LAT LCN  SANGE AZ2 AZN AZSUN AZA  PT LAT LCN  Z -10.738 -20.469  AZ -0.6799 -3.9 10.5 -80.7 35.8 0.40953 0.851 -89.0 0.67.7 39.7 31.7 26.9 0. 1-2  3 -10.726 -20.503  AZ -10.727 -20.423  A -10.726 -20.503  AZ -10.727 -20.435  AZ -10.728 -20.437  AZ -10.728 -20.435  AZ -10.728 -20.437  AZ -10.728 -20.437  AZ -10.728 -20.437  AZ -10.728 -20.435  AZ -10.728 -20.735  AZ -10.728 -20.735  AZ -10.728 -20.735  AZ -10.728 -20.	JULY 31,1964 13 HR	25 MIN 33 SEC 293	MS		•			
PT LAT LCN RANGE AZS/C AZN AZSUN AZA A SSUN AZA AZSUN AZSUN AZA AZSUN AZSUN AZA AZSUN AZSUN AZA AZSUN AZSUN AZA AZSUN					AL T 36.3905			V PTH AZ 2.593 -64.501 114.843
2 -10.738 -20.469	PHOTE DATA	DANGE AISIC	A 7 N	AZ SUNI AZ A		BAA AZOMAZ INCI	DHA7 EMIC	ALDHA SCALE PT-PT
4 -10.721 -20.442 42.87230 -56.1 11.1 -80.5 35.5 C.41192 0.846 -88.2 67.7 36.6 32.3 28.2 1.81992 3-4 5-10.752 -20.495 42.37295 -52.4 10.6 -81.3 36.0 0.40712 0.856 -89.7 67.7 83.6 33.0 27.9 0.9599 4-5 6-10.755 -20.497 42.37295 -52.3 10.6 -81.3 36.0 0.40712 0.856 -89.7 67.7 40.8 31.2 25.7 1.84111 5-6 7-10.726 -20.503 42.06799 -53.9 10.5 -80.7 35.8 0.40712 0.856 -89.7 67.7 40.8 31.2 25.7 1.84111 5-6 7-10.726 -20.503 42.06799 -53.9 10.5 -80.7 35.8 0.40712 0.856 -89.3 67.7 40.8 31.2 25.7 1.84111 5-6 7-10.726 -20.503 42.06799 -53.9 10.5 -80.7 35.8 0.40712 0.862 -88.3 67.7 40.8 30.5 25.9 0.90482 6-7 7-10.726 -20.507 39.800 -59.9 10.5 -80.7 35.8 0.40712 0.862 -88.3 67.7 40.8 30.5 25.9 0.90482 6-7 7-10.733 -20.476 40.31536 -54.2 10.8 -80.9 35.8 0.38240 0.851 -89.0 67.7 39.7 31.7 26.9 0. 1-2 3-10.733 -20.476 40.31536 -54.2 10.8 -80.9 35.8 0.38242 0.882 -88.3 67.7 40.8 30.5 25.9 1.00580 2-3 4-10.716 -20.4049 40.5614 -56.1 11.1 -80.5 35.5 0.38242 0.882 -88.3 67.7 40.8 30.5 25.9 1.00580 2-3 4-10.746 -20.443 40.87238 -54.5 11.2 -81.2 35.7 0.38242 0.882 -88.3 67.7 40.8 30.5 25.9 0.00775 4-5 6-10.746 -20.443 40.87238 -54.5 11.2 -81.2 35.7 0.38242 0.882 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7-10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 0.885 -89.7 67.7 38.6 33.0 27.9 0.90775 4-5 6-10.746 -20.443 40.8915 -52.3 10.6 -81.3 36.0 0.38242 0.885 -89.7 67.7 38.6 33.0 27.9 0.90775 4-5 6-10.746 -20.443 40.8915 -52.3 10.6 -81.3 36.0 0.38242 0.885 -89.7 67.7 40.8 31.2 25.7 1.74178 5-6 7-10.727 -20.482 38.5016 -59.4 10.8 80.9 35.8 0.38242 0.885 -89.7 67.7 38.6 33.0 27.9 0.90775 4-5 6-10.746 -20.443 38.601765 -59.2 10.8 80.9 35.8 0.38242 0.885 -89.7 67.7 38.6 33.0 27.9 0.90775 4-5 6-10.777 -20.482 38.601765 -59.2 10.8 80.9 35.8 0.38242 0.885 -89.7 67.7 38.6 33.0 27.9 0.90775 4-5 6-10.772 -20.482 38.601765 -59.2 10.8 80.9 35.8 0.38242 0.885 -89.7 67.7 38.6 33.0 27.9 0.90839 2-3 4-10.772 -20.482 37.53183 -53.9 10.5 -80.7 35.8 0.38265 -80.0 57.7 39.7 39.7 31.7 26.9 0.8999 6-7 6-10.772 -20.482 37.53183 -53.9 10.5 -80.7 35.8 0.3826 0.88								26.9 0. 1-2
5 -10.752 -20.435		42.06799 -53.9	10.5	-80.7 35.8		0.862 -88.3 67.1	40.8 30.5	25.9 1.06319 2-3
6 -10.755 -20.497 42.37295 -52.3 10.6 -81.3 36.0 0.40712 0.656 -69.7 67.7 40.8 31.2 25.7 1.84111 5=.6 7-10.726 -20.503 42.0679 -53.9 10.5 -80.7 35.8 0.40712 0.656 -69.7 67.7 40.8 30.5 25.9 0.90482 6-7 TAB NO 173 ATLAS PHOTO NO 173 POD SEQUENCE NO 962  JULY 31,1964 13 HR 25 MIN 34 SEC 133 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA A. b./A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2.01.733 -20.476 40.31536 -54.2 10.8 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 30.5 25.9 1.00580 2-3 4 -10.716 -20.443 40.48728 -54.5 11.2 -81.2 35.7 0.38242 0.862 -88.3 67.7 40.8 30.5 25.9 1.00580 2-3 4 -10.716 -20.443 40.48728 -54.5 11.2 -81.2 35.7 0.38242 0.862 -88.3 67.7 40.8 30.5 25.9 1.00580 2-3 4 -10.716 -20.443 40.48728 -54.5 11.2 -81.2 35.7 0.38242 0.862 -88.3 67.7 40.8 30.5 25.9 1.00580 2-3 4 -10.716 -20.403 40.08915 -52.3 10.6 -81.3 36.0 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7 -10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7 -10.721 -20.402 38.00069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7 -10.727 -20.462 38.00069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7 -10.727 -20.462 38.00069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7 -10.727 -20.462 38.00069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7 -10.727 -20.462 38.00069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7 -10.727 -20.462 38.00069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7 -10.727 -20.462 38.00069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 31.2 25.7 1.46234 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.462 34.46240 -40.46240 -40.462 34.46240 -40.462 34.46240 -40.46240 -40.46240 -40.		42.87230 -56.1		-80.5 35.5 -81.2 35.7		0.846 -88.2 67.1	38.6 32.3	
TAB NO 173 ATLAS PHOTO NO 173 POD SEQUENCE NO 962  JULY 31,1964 13 HR 25 MIN 34 SEC 133 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA ASSUN AZA ASSUN AZA ASSUN AZA ALT LAT LON CASSUS ASSUS ASSU		42.37295 -52.3				0.656 -89.7 67.		
TRAJECTORY DATA  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA C. 10.73 3.8 0.38746 0.851 -69.0 67.7 39.7 31.7 26.9 0. 1-2 3 -10.716 -20.494 40.561,4 -56.1 11.1 -80.5 35.5 0.851 80.856 -89.7 67.7 38.6 33.0 27.9 0.90775 4-5 6 -10.746 -20.494 30.894 -39.9 10.5 -80.7 33.8 0.38242 0.856 -88.3 67.7 40.8 31.2 25.7 1.74178 5-6 7.10.727 -20.494 30.894 -39.8 0.994 -39.8 0.994 -39.9 10.5 -80.7 33.8 0.994 -39.9 10.5 -80.7 33.8 0.9972 0.894 -89.0 67.7 38.6 33.0 27.9 0.90775 4-5 6 -10.746 -20.494 40.8915 -52.3 10.6 -81.3 36.0 0.8915 -52.3 10.6 -81.3 36.0 0.8915 -80.7 67.7 40.8 30.5 25.9 1.0580 2-3 4.90178 -20.501 40.08915 -52.3 10.6 -81.3 36.0 0.9916 -80.7 67.7 38.6 33.0 27.9 0.90775 4-5 6 -10.746 -20.494 40.8915 -52.3 10.6 -81.3 36.0 0.9916 -80.7 67.7 38.6 33.0 27.9 0.90775 4-5 6 -10.746 -20.494 40.8915 -52.3 10.6 -81.3 36.0 0.9916 -80.7 67.7 40.8 30.5 25.9 0.8559 6-7 7 -10.721 -20.502 39.80069 -33.9 10.5 -80.7 33.8 0.90842 0.862 -88.3 67.7 40.8 30.5 25.9 0.8559 6-7 7 -10.727 -20.482 38.61765 -54.2 10.8 -80.9 35.8 0.862 -80.9 67.7 39.7 30.7 30.8 30.5 25.9 0.8559 6-7 7 -10.727 -20.482 38.61765 -54.2 10.8 -80.9 35.8 0.862 -80.8 67.7 40.8 30.5 25.9 0.8559 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 6-7 9.859 8-7 9.75 9.859 8-7 9.75 9.859 8-7 9.859 8-7 9.75 9.859 8-7 9.859 8-	7 -10.726 -20.503	42.06799 -53.9	10.5	-80.7 35.8	0.40421	0.862 -88.3 67.	40.8 30.5	25.9 0.90482 6- 7
TRAJECTORY DATA    SEC   10   IMPACT   14.666   34.4247C   -10.403   -21.088   1769.880   2.594   -64.483   114.838				TAB NO	173	ATLAS PHOTO NO	173	POD SEQUENCE NO 962
PHOTO DATA  PT LAT LON RANGE AZS/C AZN AZSUN AZA	JULY 31,1964 13 HF	R 25 MIN 34 SEC 133	MS					
PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA PT LAT LON RANGE AZS/C AZN AZSUN AZA 10.721 -20.507 39.80069 -53.9 10.5 -80.7 35.8 C.38746 0.851 -89.0 67.7 39.7 31.7 26.9 0. 1-2 3 -10.721 -20.507 39.80069 -53.9 10.5 -80.7 35.8 C.38746 0.851 -89.0 67.7 30.8 32.3 28.2 1.72174 3-4 5 -10.746 -20.449 40.56144 -56.1 11.1 -80.5 35.5 C.38972 0.846 -88.2 67.7 36.6 33.0 27.9 0.90775 4-5 6 -10.746 -20.449 40.87238 -54.5 11.2 -81.2 35.7 C.39272 0.839 -89.7 67.7 38.6 33.0 27.9 0.90775 4-5 6 -10.748 -20.501 40.08915 -52.3 10.6 -81.3 36.0 C.38518 0.856 -89.7 67.7 40.8 30.5 25.9 1.72174 3-4 5 -10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 C.862 -88.3 67.7 40.8 30.5 25.9 0.85599 6-7  TAB NO 174 ATLAS PHOTO NO 174 POD.SEQUENCE NO 963  JULY 31,1964 13 HR Z5 MIN 34 SEC 973 MS  TRAJECTORY DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA AR B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2 -10.727 -20.482 38.01705 -54.2 10.8 -80.9 35.8 C.36537 0.851 -89.0 67.7 39.7 31.7 26.9 0. 1-2 3 -10.715 -20.517 37.53183 -53.9 10.5 -80.7 35.8 C.36537 0.851 -89.0 67.7 39.7 31.7 26.9 0. 1-2 4 -10.712 -20.457 38.24902 -56.1 11.1 -80.5 35.5 5.500 0.8662 -88.3 67.7 40.8 30.6 25.9 0.94839 2-3 4 -10.712 -20.457 38.24902 -56.1 11.1 -80.5 35.5 5.500 0.8662 -88.3 67.7 40.8 30.4 25.9 0.94839 2-3 5 -10.739 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.899 -89.7 67.7 38.6 33.0 27.9 0.85599 4-5 5 -10.739 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.899 -89.7 67.7 40.8 30.2 25.7 1.64238 5-6 6 -10.740 -20.500 37.89378 -22.3 10.6 -81.3 36.0 0.36322 0.856 -89.7 67.7 40.8 30.2 25.7 1.64238 5-6 6 -10.779 -20.500 37.89378 -22.3 10.6 -81.3 36.0 0.36322 0.856 -89.7 67.7 40.8 30.2 25.7 1.64238 5-6	TRAJECTORY DATA				ALT 34.4247	LAT LCN C -10.403 -21.088		
2 -10.733 -20.476  40.31536 -54.2  10.8 -80.9  35.8	PHOTO DATA							
3 -10.721 -20.507 39.80069 -53.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 30.5 25.9 1.00580 2-3 4 -10.716 -20.449 40.65614 -56.1 11.1 -80.5 35.5 5.95.5 0.8917 0.54 -88.2 67.7 36.6 33.0 27.9 0.90775 4-5 -10.746 -20.501 40.8028 -54.5 11.2 -81.2 35.7 0.38518 0.856 -89.7 67.7 38.6 33.0 27.9 0.90775 4-5 -10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 0.856 -89.7 67.7 40.8 30.5 25.9 0.85599 6-7 -10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 30.5 25.9 0.85599 6-7 -10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 30.5 25.9 0.85599 6-7 -10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 0.862 -88.3 67.7 40.8 30.5 25.9 0.85599 6-7 -10.721 -20.502 38.5016 -20.502 37.53183 -53.9 10.5 -80.7 35.8 0.862 38.502 38.502 37.5 30.7 30.7 30.7 30.7 30.7 30.7 30.7 30.7						b/A AZPHAZ INCI	PHAZ EMIS	
4 -10.716 -20.449 40.56144 -56.1 11.1 -80.5 35.5 C.38972 C.862 -88.2 67.7 38.6 32.3 28.2 1.7217 3 - 4 - 5 - 10.746 -20.443 40.8728 -54.5 11.2 -81.2 35.7 C.39272 0.839 -89.7 67.7 38.6 33.0 27.9 0.90775 4 - 5 6 - 10.748 -20.501 40.08915 -52.3 10.6 -81.3 36.0 C.38518 0.856 -89.7 67.7 40.8 31.2 25.7 1.74178 5 - 6 7 - 10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 C.862 -88.3 67.7 40.8 30.5 25.9 0.85599 6 - 7   TAB NO 174 ATLAS PHOTO NO 174 POD SEQUENCE NO 963  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C AZN AZSUN AZA PT LAT LCN RANGE AZS/C AZN AZSUN AZA A BJA AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2 -10.727 -20.482 38.01705 -54.2 10.8 -80.9 35.8 C.36527 0.851 -89.0 67.7 39.7 31.7 26.9 0. 12.2 3 - 10.715 -20.512 37.53183 -53.9 10.5 -80.7 35.8 C.36527 0.851 -89.0 67.7 39.7 31.7 26.9 0. 12.2 3 - 10.715 -20.517 38.6 32.2 32.1 1.62349 3 - 4 5 - 10.739 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.839 -89.7 67.7 40.8 30.2 27.9 0.85599 5 - 5 1.05428 5 - 6 - 10.749 -20.505 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.9 0.85593 5 - 6 - 10.749 -20.505 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.9 0.85593 5 - 6 - 10.749 -20.505 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.9 0.85593 5 - 6 - 10.749 -2.0550 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.7 1.65238 5 - 6 - 10.749 -2.0550 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.7 1.65238 5 - 6 - 10.749 -2.0550 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.7 1.65238 5 - 6 - 10.740 -2.050 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.7 1.65238 5 - 6 - 10.740 -2.0550 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.7 1.65238 5 - 6 - 10.740 -2.0550 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 - 89.7 67.7 40.8 30.2 27.7 1.65238 5 - 6 - 10.740 -2.0550 37.80378 -52.3 10.6 -81.3 36.0 0.8522 0.855 -89.7 67.7 40.8 30.2 27.7 1.65238 5 - 6 - 10.740 -2.0550 37.80378 -52.3 10.6 -81.3 36.0 0.	3 -10.721 -20.507	39.80069 -53.9	10.5		0.38242	0.862 -88.3 67.	7 40.8 30.5	25.9 1.00580 2-3
6 -10.748 -20.501 40.08915 -52.3 10.6 -81.3 36.0 C.38518 0.856 -89.7 67.7 40.8 31.2 25.7 1.74178 5- 6 7 -10.721 -20.507 39.80069 -33.9 10.5 -80.7 35.8 0.38242 C.862 -88.3 67.7 40.8 31.2 25.7 1.74178 5- 6 0.38242 C.862 -88.3 67.7 40.8 30.5 25.9 0.85599 6- 7 TAB NO 174 ATLAS PHOTO NO 174 POD-SEQUENCE NO 963 JULY 31.1964 13 HR 25 MIN 34 SEC 973 MS  TRAJECTORY DATA  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C AZN AZSUN AZA 13.826 32.45801 -10.416 -21.060 1767.913 2.595 -64.465 114.833 PHOTO DATA  PT LAT LCN RANGE AZS/C AZN AZSUN AZA C.36527 0.851 -89.0 67.7 39.7 31.7 26.9 0. 12.2 3-10.715 -20.512 37.53183 -53.9 10.5 -80.7 35.8 C.36527 0.851 -89.0 67.7 39.7 31.7 26.9 0. 12.2 3-10.712 -20.457 38.24902 -56.1 11.1 -80.5 35.5 0.36750 C.846 -88.2 67.7 38.6 32.3 28.1 1.62349 3- 4 5 -10.732 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.839 -89.7 67.7 38.6 33.0 27.9 0.85592 4- 5 6-10.772 -20.505 37.80378 -52.3 10.6 -81.3 36.0 0.8322 0.855 -89.7 67.7 40.8 30.2 27.9 0.85593 5- 5	4 -10.716 -20.449	40.56144 -56.1	.11.1	-80.5 35.5	C.38972	0.846 -86.2 67.	7 38.6 32.3	28.2 1.72174 3- 4
TAB NO 174 ATLAS PHOTO NO 174 POD-SEQUENCE NO 963  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN AZSUN AZA PT LAT LCN RANGE AZS/C AZN AZSUN AZA 3-10.715 -20.512 37.53183 -53.9 10.5 -80.7 35.8 0.36750 C.864 -88.2 67.7 30.8 30.4 25.9 0.4859 3 -2 4 -10.712 -20.457 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.839 -89.7 67.7 30.8 30.0 31.2 25.7 1.06523 5-7	5 -10.746 -20.443				C.39272	0.839 +89.7 67.	7 38.6 33.0	
TRAJECTORY DATA  TRAJECTORY DATA  SEC TO IMPACT 13.826  ALT LAT LGN R V PTH AZ 13.826  PHOTO DATA  PT LAT LGN RANGE AZS/C AZN AZSUN AZA 2 -10.727 -20.482 38.01705 -54.2 10.8 -80.9 35.8 C.36527 0.851 -89.0 67.7 35.7 31.7 26.9 0. 1-2 3 -10.715 -20.512 37.53183 -53.9 10.5 -80.7 35.8 C.36527 0.851 -89.0 67.7 40.8 30.4 25.9 0.94839 2-3 4 -10.712 -20.457 38.24902 -56.1 11.1 -80.5 35.5 0.86750 C.846 -88.2 67.7 36.8 32.3 28.1 1.62349 3-4 5 -10.739 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.839 -89.7 67.7 38.6 33.0 27.9 0.85592 4-5 6 -10.772 -20.550 37.80378 -52.3 10.0 -81.3 36.0 0.36322 0.856 -89.7 67.7 40.8 31.2 25.7 1.64528 5-5								
TRAJECTORY DATA  TRAJECTORY DATA  SEC TO IMPACT 13.826  ALT LAT LGN R V PTH AZ 13.826  PHOTO DATA  PT LAT LGN RANGE AZS/C AZN AZSUN AZA 2 -10.727 -20.482 38.01705 -54.2 10.8 -80.9 35.8 C.36527 0.851 -89.0 67.7 35.7 31.7 26.9 0. 1-2 3 -10.715 -20.512 37.53183 -53.9 10.5 -80.7 35.8 C.36527 0.851 -89.0 67.7 40.8 30.4 25.9 0.94839 2-3 4 -10.712 -20.457 38.24902 -56.1 11.1 -80.5 35.5 0.86750 C.846 -88.2 67.7 36.8 32.3 28.1 1.62349 3-4 5 -10.739 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.839 -89.7 67.7 38.6 33.0 27.9 0.85592 4-5 6 -10.772 -20.550 37.80378 -52.3 10.0 -81.3 36.0 0.36322 0.856 -89.7 67.7 40.8 31.2 25.7 1.64528 5-5								DOD SECRETICE NO. 063
PHOTO DATA  PT LAT LON RANGE AZS/L AZN AZSUN AZA 25.68 -80.7 25.68 -80.8 67.7 35.7 31.7 26.9 0. 11.2 -81.2 35.7 6-10.772 -20.451 38.54214 -54.5 111.2 -81.2 35.7 6-10.772 -20.555 38.54214 -54.5 111.2 -81.2 35.7 6-10.772 -20.555 38.54214 -54.5 111.2 -81.2 35.7 6-10.772 -20.555 38.54214 -54.5 11.2 -81.2 35.7 6-10.782 -89.7 67.7 38.6 32.3 28.1 1.62349 3-4 6-10.772 -20.555 38.54214 -54.5 11.2 -81.2 35.7 6-10.782 -89.7 67.7 38.6 32.3 28.1 1.62349 3-4 6-10.772 -20.555 38.54214 -54.5 11.2 -81.2 35.7 6-10.782 -89.7 67.7 38.6 32.3 27.9 0.85592 4-5 6-10.772 -20.555 37.80378 -52.3 10.6 -81.3 36.0 0.36322 0.855 -89.7 67.7 40.8 31.2 25.7 1.64238 5-6	JULY 31,1964 13 HF	25 MIN 34 SEC 973	3MS _	IAB NO			· · · · · · · · · · · · ·	<u>`</u>
PHOTO DATA PT LAT LON RANGE AZS/C AZN AZSUN AZA A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2-10.727 -20.482 38.01705 -54.2 10.8 -80.9 35.8 C.36537 0.851 -89.0 67.7 39.7 31.7 26.9 0. 1-2 3-10.715 -20.512 37.53183 -53.9 10.5 -80.7 35.8 C.36622 0.862 -88.3 67.7 40.8 30.4 25.9 0.94839 2-3 4-10.712 -20.457 38.24902 -56.1 11.1 -80.5 35.5 0.8625 0.862 -88.2 67.7 38.6 32.3 28.1 1.62349 3-4 5-10.739 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.839 -89.7 67.7 38.6 33.0 27.9 0.85592 4-5 6-10.772 -20.505 37.80378 -52.3 10.6 -81.3 36.0 0.36322 0.855 -89.7 67.7 40.8 31.2 25.7 1.64238 5-6						LAT LGN 1 -10.416 -21.060		V PTH AZ 3 2.595 -64.465 114.833
2 -10.727 -20.442 38.01705 -54.2 10.8 -80.4 35.8		n						
3 -10.715 -20.512 37.53183 -53.9 10.5 -80.7 35.8 0.36062 0.862 -88.3 67.7 40.8 30.4 25.9 0.94839 2- 3 4 -10.712 -20.457 38.24902 -56.1 11.1 -80.5 35.5 0.3650 0.846 -88.2 67.7 38.6 32.3 28.1 1.62349 3- 4 5 -10.739 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.839 -89.7 67.7 38.6 33.0 27.9 0.85592 4- 5 6 -10.742 -20.556 37.80378 -52.3 10.6 -81.3 36.0 0.36322 0.856 -89.7 67.7 40.8 31.2 25.7 1.64528 5- 6		RANGE AZS/C						
4 -10.712 -20.457 38.24902 -56.1 11.1 -80.5 35.5 0.36750 C.846 -88.2 67.7 38.6 32.3 28.1 1.62349 3-4 5-10.739 -20.451 38.54214 -54.5 11.2 -81.2 35.7 0.37033 0.839 -89.7 67.7 38.6 33.0 27.9 0.85592 4-5 6-10.742 -20.506 37.80378 -52.3 10.6 -81.3 36.0 0.36322 0.856 -89.7 67.7 40.8 31.2 25.7 1.64238 5-6	3 -10.715 -20.512	37.53183 +53.9	10.5	~80.7 .35.8	C.36062	0.862 -88.3 67.	7 40.8 30.4	25.9 0.94839 2-3
6 -10.742 -20.506 37.80378 -52.3 10.6 -81.3 36.0 0.36322 0.856 -89.7 67.7 40.8 31.2 25.7 1.64238 5- 6	4 -10.712 -20.457	38.24902 -56.1	11.1	-80.5 35.5	0.36750	C.846 -88.2 67.	7 38.6 32.3	28.1 1.62349 3- 4
7 -10.715 -20.512 37.53183 -53.9 10.5 -80.7 35.8 C.36062 0.862 -88.3 67.7 40.8 30.4 25.9 0.80726 6- 7						0.839 -89.7 67.	1 38.6 33.0 7 40.8 31.2	
				-80.7 35.8		0.862 -88.3 67.	7 40.8 30.4	

				RA-VII	CAMERA	P1						30
					AB NO	175	ATLAS PHOT	0 NO	175	POD S	EOUENCE NO	964 ~
JULY 31,1964 13 HR	25 MIN 35	SEC 813	MS					•				
TRAJECTORY DATA				SEC TO				LON	R	٧	PTH A	Z
PHOTO DATA					986		7 -10.429 -2			_	-64.447 114	.827
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A •	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA		T-PT
2 -10.721 -20.488 3 -10.710 -20.516 4 -10.707 -20.465	35.71784	-53.9	10.5	-80.7	35.8	0.34327	0.851 -89.0	67.7	39.7 31.7	26.9 25.9	0.89100	1- 2
4 -10.707 -20.465	35.93570	-56.1	11.1	-80.5	35.6	0.34527	0.862 -88.3 0.846 -88.2	67.7	38.6 32.3	28.1	1.52522	3-4
5 -10.733 -20.459	36.21102	-54.5	11.2	-81.2	35.7	C.34793	C.839 -89.7	67.7	38.6 33.0	27.9	0.89100 1.52522 0.80419	4- 5
6 -10.735 -20.511 7 -10.710 -20.516	35.51751 35.26209	-52.3	10-6	-81.3	36.0	G.34125	0.856 -89.7		40.8 31.2	25.7		<u>5- 6</u> 6- 7
7 -10.710 -20.510	33.20209	- 33. 9	10.5		AB NO		ATLAS PHOT				EQUENCE NO	
JULY 31,1964 13 HR	25 MIN 36	SEC 653	MS		טוו מה	170	AILAS FROI	U NO	1/6	rob 3	EQUENCE NO	900
TRAJECTORY DATA				SEC IO	LEPACI	AL T	LAI 3 -10.442 -2	LON	R	V	PTH A	2
PHOTO DATA				12.	146	28.52318	-10.442 -2	1.003	1763.978	2.598	-64-428 114	.822
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A =	B/A AZPHAZ	INCE	PHAZ EMIS	ALPHA	SCALE P	T-PT
2 -10.715 -20.494	33.41694	-54.2	10.8	-80.9	35.8	C.32116	0.851 -89.0	67.7	39.7 31.7	26.9	0.	1- 2
PHOTO DATA PT LAT LON 2 -10.715 -20.494 3 -10.705 -20.521 4 -10.702 -20.473	32.99066	-53.9	10.5	-80.7	35.8	0.31699	0.86288.3	67.7	40.8 30.4	25.9	0.83355	2-3
4 -10.702 -20.473 5 -10.726 -20.467											0.75236	4- 5
6 -10.728 -20.516	33.87820 33.22956	-52.3	10.6	-81.3	36.0	0.31927	0.839 -89.7 C.856 -89.7	67.7	40.8 31.1	25.7	0.75236	5-6
7 -10.705 -20.521	32.99066	-53.9	10.5	-80.7	35.8	0.31699	0.862 -88.3	67.7	40.8 30.4	25.9	0.70951	6- 7
JULY 31,1964 13 HR	25 MIN 37	SEC 493	.M.S		TAB NO		ATLAS PHOT		177	POD S	EQUENCE NO	966
TRAJECTORY DATA				SEC TO	IPPACT 306	ALT 26.55471	LAT 8 -10.454 -2	LON 0.975	R 1762.010	V 2.599	PTH A.	Z .816
PHOTO DATA PT LAT LCN 2 -10.709 -20.501												
PT LAT LCN 2 -10.709 -20.501.	31 11485	AZS/C	10 H	-80 Q	25 B	0 20002	D PS1 - PO O	1NCD	20 7 21 7	ALPHA	SCALE P	T-PT 1- 2
3 -10.70020.525			10.5	-80.7	35.8	0.29515	0.862 -86.3	67.7	40.8 30.4	25.9	0.77607	2- 3
4 -10.697 -20.481	31.30449	-56 a L	11.1	-80.5	35.6	0.30078	0.846 -86.2 0.839 -89.7	67.7	38.6 32.2	28.1	1.32851 0.70053	3- 4
5 -10.720 -20.476	31.54417	-54.5	11.1	-81.2	35.7	0.30309	0.839 -89.7	67.7	38.6 32.9	27.9	0.70053	4- 5
6 -10.722 -20.521 7 -10.700 -20.525	30.94041 30.71803	-52.4 -53.9	10.6 10.5	-80.5 -81.2 -81.3 -80.7	36.0 35.8	0.29728	0.856 -89.7	67.7	40.8 31.1	25.7 25.9	1.34394	56 6- 7
									170		EOUENCE NO	007 -
						170	ATI AC DUAT					
JULY 31,1964 13 HR	25 MIN 38	SEC 333	MS		TAB NO	178	ATLAS PHOT	O NO	1/6	POD S	EQUENCE NO	
JULY 31,1964 13 HR		SEC 333										
TRAJECTORY DATA				SEC 10	IMPACT	ALT 24.5859	LAT 7 -10.467 -2	LON 0.347	_ R 1760+041	V 1 2.600	PTH A	
TRAJECTORY DATA  PHOTO DATA	PANCE	A75/f	AZN	SEC TO	IMPACT	ALT 24.5859	LAT 7 -10.467 -2	LON 0.947	R 1760:041	2.600	PTH A -64.392 114	Z
TRAJECTORY DATA  PHOTO DATA	PANCE	A75/f	AZN	SEC TO	IMPACT	ALT 24.5859	LAT 7 -10.467 -2	LON 0.947	R 1760:041	2.600	PTH A -64.392 114	Z
TRAJECTORY DATA  PHOTO DATA	PANCE	A75/f	AZN	SEC TO	IMPACT	ALT 24.5859	LAT 7 -10.467 -2	LON 0.947	R 1760:041	2.600	PTH A -64.392 114	Z
TRAJECTORY DATA  PHOTO DATA	PANCE	A75/f	AZN	SEC TO	IMPACT	ALT 24.5859	LAT 7 -10.467 -2	LON 0.947	R 1760:041	2.600	PTHA -64.392 114 SCALE P Q. 0.71854 1.23010	7-PT 1- 2 2- 3 3- 4
PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.488 5 -10.713 -20.484 6 -10.715 -20.526	RANGE 28.81165 28.44431 28.98721 29.20910 28.65017	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4	AZN 10.8 10.5 11.1 11.1	SEC TO 10. AZ SUN -80.9 -80.7 -80.5 -81.2	AZA 35.8 35.8 35.6 35.7 35.7	ALT 24.5859 A* 0.27690 C.27331 0.27851 C.28065	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7	1NC0 67.7 67.7 67.7 67.7 67.7	PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.9 46.8 31.1	V 1 2-600 ALPHA 26-9 25-8 28-1 27-9 25-6	PTH A -64.392 114 SCALE P 0. 0.71854 1.23010 0.64870 1.24439	Z811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.692 -20.488 5 -10.713 -20.484	RANGE 28.81165 28.44431 28.98721 29.20910	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4	AZN 10.8 10.5 11.1 11.1	AZSUN -80.9 -80.7 -80.5 -81.2 -81.3	AZA 35.8 35.8 35.6 35.7 35.9	ALT 24.5859 A. 0.27690 C.27331 C.27851 C.28065 C.27527 O.27331	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.856 -89.3	INCO 67.7 67.7 67.7 67.7 67.7 67.7	PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.9 46.8 31.1	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8	PTH A -64.392 114 SCALE P 0. 0.71854 1.23010 0.64870 1.24439 0.61166	Z811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.488 5 -10.713 -20.484 6 -10.715 -20.526	RANGE 28.81165 28.44431 28.98721 29.20910 28.45017 28.44431	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4	AZN 10.8 10.5 11.1 11.1 10.6	AZSUN -80.9 -80.7 -80.5 -81.2 -81.3	AZA 35.8 35.8 35.6 35.7 35.7	ALT 24.5859 A. 0.27690 C.27331 C.27851 C.28065 C.27527 O.27331	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7	INCO 67.7 67.7 67.7 67.7 67.7 67.7	PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.9 46.8 31.1	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8	PTH A -64.392 114 SCALE P 0. 0.71854 1.23010 0.64870 1.24439	Z811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.692 -20.488 5 -10.713 -20.488 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31,1964 13 HR	RANGE 28.81165 28.44431 28.98721 29.20910 28.45017 28.44431	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4	AZN 10-8 10-5 11-1 11-1 10-6 10-5	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3	AZA 35.8 35.6 35.7 35.9 35.8	ALT 24.5859 0.27690 C.27331 0.27851 C.28065 C.27527 0.27331	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.856 -89.7 0.852 -86.3 ATLAS PHOT	1NC0 67.7 67.7 67.7 67.7 67.7 67.7	PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 38.6 32.9 46.8 31.1 40.8 30.4	V 1 2-600 ALPHA 26-9 25-8 28-1 27-9 25-6 25-8 POD S	SCALE P 0.71854 1.23010 0.64870 1.24439 0.61166	Z .811 T-PT 1- 2 2- 3 3- 4- 5 5- 6- 7 968
PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.692 -20.486 5 -10.713 -20.484 6 -10.715 -20.526. 7 -10.695 -20.530  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 28.81165 28.44431 28.98721 29.20910 28.65017 28.44431 25 MIN 39	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173	AZN 10.8 10.5 11.1 11.1 10.6 10.5	AZ SUN 10.  AZ SUN -80.9 -80.7 -81.2 -81.3 -80.7	AZA 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO	ALT 24.5859 A• 0.27690 C.27331 C.28065 C.27527 O.27331 179	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.862 -88.3 ATLAS PHOT	1NCO 67.7 67.7 67.7 67.7 67.7 67.7 67.7	R 1760.041 PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 46.8 32.9 46.8 31.1 40.8 30.4	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 POD S	SCALE P 0.71854 1.23010 0.64870 1.24439 0.61166 EQUENCE NO	Z .811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 968
PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.692 -20.486 5 -10.713 -20.484 6 -10.715 -20.526. 7 -10.695 -20.530  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 28.81165 28.44431 28.98721 29.20910 28.65017 28.44431 25 MIN 39	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173	AZN 10.8 10.5 11.1 11.1 10.6 10.5	AZ SUN 10.  AZ SUN -80.9 -80.7 -81.2 -81.3 -80.7	AZA 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO	ALT 24.5859 A• 0.27690 C.27331 C.28065 C.27527 O.27331 179	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.856 -89.7 C.862 -86.3 ATLAS PHOT	LON 0.947 INCO 67.7 67.7 67.7 67.7 67.7 0 NO	R 1760.041 PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 40.8 31.1 40.8 30.4 179	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 POD S	PTH	Z .811 T-PT 1- 2 2 - 3 3- 4 4- 5 5- 6- 7 968 Z .806
PHOTO DATA  PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.692 -20.486 5 -10.713 -20.484 6 -10.715 -20.526. 7 -10.695 -20.530  JULY 31.1964 13 HR  TRAJECTORY DATA	RANGE 28.81165 28.44431 28.98721 29.20910 28.65017 28.44431 25 MIN 39	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173	AZN 10.8 10.5 11.1 11.1 10.6 10.5	AZ SUN 10.  AZ SUN -80.9 -80.7 -81.2 -81.3 -80.7	AZA 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO	ALT 24.5859 A• 0.27690 C.27331 C.28065 C.27527 O.27331 179	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.856 -89.7 C.862 -86.3 ATLAS PHOT	LON 0.947 INCO 67.7 67.7 67.7 67.7 67.7 0 NO	R 1760.041 PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 40.8 31.1 40.8 30.4 179	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 POD S	PTH A -64-392 114  SCALE P 0. 0.71854 1.23010 0.64870 1.24439 0.61166  EQUENCE NO  PTH A -64-373 114	Z .811 T-PT 1- 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7 968 Z .806
PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.695 -20.484 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.696 -20.514 3 -10.699 -20.514 3 -10.699 -20.514	RANGE 28.81165 28.44431 28.98721 29.20910 28.65017 28.44431 25 MIN 39 RANGE 26.50690 26.16901	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173	AZN 10-8 10-5 11-1 11-1 10-6 10-5 MS	AZ SUN -80.9 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	AZA 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO	ALT 24.5859  0.27690 C.27331 C.28065 C.27531  179  ALT 22.6162	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.856 -89.7 0.862 -86.3 ATLAS PHOT	LON 0.347 INCO 67.7 67.7 67.7 67.7 67.7 O NO LCN 0.918 INCO 67.7	R 1760.041 PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 38.6 32.9 46.8 31.1 40.8 30.4 179 R 1758.07:	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.8 POD S V 2 2.601 ALPHA 26.9	PTH A -64-392 114  SCALE P 0. 0.71854 1.23010 0.64870 1.24439 0.61166  EQUENCE NO  PTH A -64-373 114  SCALE P 0.66107	Z .811 T-PT 1- 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7 968 Z .806
PHOTO DATA PT LAT LON 2 -10.695 -20.530 4 -10.695 -20.530 4 -10.695 -20.530 5 -10.713 -20.484 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.698 -20.514 3 -10.698 -20.514 3 -10.698 -20.534 4 -10.698 -20.534	RANGE 28.01165 28.44431 28.98721 29.20910 28.45017 28.44431 25 MIN 39 RANGE 26.50690 26.16901 26.66833	AZS/C -54.2 -56.1 -56.1 -54.5 -52.4 -53.9 SEC 173	AZN 10-8 10-5 11-1 11-1 10-6 10-5 MS	AZ SUN -80.9 -80.5 -81.2 -81.3 -80.7 -80.9 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	AZA 35.8 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO	ALT 24.5859  0.27690 C.27331 C.28065 C.27531  179  ALT 22.6162	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.856 -89.7 0.862 -86.3 ATLAS PHOT	LON 0.347 INCO 67.7 67.7 67.7 67.7 67.7 O NO LCN 0.918 INCO 67.7	R 1760.041 PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 38.6 32.9 46.8 31.1 40.8 30.4 179 R 1758.07:	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.8 POD S V 2 2.601 ALPHA 26.9	PTH A-64-392 114  SCALE PO-71854 1-23010 0.64870 1-22439 0.61166 EQUENCE NO  PTH A-64-373 114  SCALE PO-66107 1-13164	Z .811 T-PT 1- 2 2- 3 3- 4 5- 6- 7 968 Z .806 T-PT 1- 2 2- 3 3- 4
PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.695 -20.488 5 -10.713 -20.488 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31.1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.698 -20.514 3 -10.690 -20.534 4 -10.687 -20.496 5 -10.706 -20.492	RANGE 28.81165 28.44431 28.99721 29.20910 28.65017 28.44431 25 MIN 39 RANGE 26.50690 26.16901 26.66833 26.87241	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173 AZS/C -54.2 -53.9 -56.5	AZN 10-8 10-5 11-1 11-1 10-6 10-5 MS	AZ SUN -80.9 -80.5 -81.2 -81.3 -80.7 -80.9 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	AZA 35.8 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO	ALT 24.5859  Ae 0.27690 C.27331 0.27851 C.28065 C.27527 0.27331 179  ALT 22.6162 Ae 0.25475 C.25144 C.25623 C.25820	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.856 -89.7  LAT 9 -10.480 -2 8/A AZPHAZ 0.851 -89.0 0.863 -88.3 0.846 -88.2 0.864 -88.2	LON 0.947 INCO 67.7 67.7 67.7 67.7 67.7 O NO LCN 0.918 INCO 67.7 67.7	R 1760.041 PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.9 40.8 31.1 40.8 30.4 179 R 1758.07; PHAZ EMIS 39.7 31.7 40.8 30.4 39.6 32.2 38.6 32.9	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.8 POD S V 2 2.601 ALPHA 26.9 25.8 28.1 27.8	PTH A -64.373 114  SCALE P 0.71854 1.23010 0.64870 1.24439 0.61166  EQUENCE NO  PTH A -64.373 114  SCALE P 0.66107 1.13164 0.599677	Z .811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 968 Z .806 T-PT 1- 2 2- 3 3- 4 4- 5
PHOTO DATA PT LAT LON 2 -10.695 -20.530 4 -10.695 -20.530 4 -10.695 -20.530 JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.698 -20.514 3 -10.698 -20.514 3 -10.698 -20.514 4 -10.698 -20.536	RANGE 28.01165 28.44431 28.98721 29.20910 28.45017 28.44431 25 MIN 39 RANGE 26.50690 26.16901 26.66833	AZS/C -54.2 -53.9 -56.1 -54.5 -53.9 SEC 173 AZS/C -54.2 -53.9 -56.1 -54.5	AZN 10.8 10.5 11.1 11.1 10.6 10.5 MS	SEC TO 10.  AZSUN -80.9 -80.7 -81.2 -81.3 -80.7	AZA 35.8 35.6 35.7 35.9 35.8 TAB NO IMPACT 626 AZA 35.8 35.8 35.6 35.7	ALT 24.5859  0.27690 C.27331 C.28065 C.27531  179  ALT 22.6162	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -88.3 ATLAS PHOT  LAT 9 -10.480 -2 8/A AZPHAZ 0.851 -89.0 0.866 -88.2 0.846 -89.7 0.856 -88.2	LON 0.747 1NC0 67.7 67.7 67.7 67.7 67.7 0 NO LCN 0.918 1NC0 67.7 67.7	R 1760.041 PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 38.6 32.9 46.8 31.1 40.8 30.4 179 R 1758.07:	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 POD S V 2 2.601 ALPHA 26.9 25.8 28.1 27.9	PTH A-64-392 114  SCALE PO-71854 1-23010 0.64870 1-22439 0.61166 EQUENCE NO  PTH A-64-373 114  SCALE PO-66107 1-13164	Z .811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DATA PT LAT LON 2 -10.695 -20.530 4 -10.695 -20.530 4 -10.695 -20.530 5 -10.713 -20.484 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31.1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.698 -20.514 3 -10.698 -20.514 3 -10.697 -20.496 6 -10.706 -20.534 7 -10.698 -20.534	RANGE 28.61165 28.44431 28.99721 29.2091 28.65017 28.44431 25 MIN 39 RANGE 26.50690 26.16901 26.66833 26.87241 26.35835 26.16901	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173 AZS/C -54.2 -53.9 -54.5 -52.4 -53.9	AZN 10.8 10.5 11.1 10.6 10.5 MS	SEC TO 10 10 10 10 10 10 10 10 10 10 10 10 10	AZA 35.8 35.6 35.7 35.9 35.8 TAB NO IMPACT 626 AZA 35.8 35.8 35.6 35.7	ALT 24.5859  A0 27690 C.27331 C.28065 C.27331 179  ALT 22.6162 A0 C.25375 C.25144	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -88.3 ATLAS PHOT  LAT 9 -10.480 -2 8/A AZPHAZ 0.851 -89.0 0.866 -88.2 0.846 -89.7 0.856 -88.2	INCO 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.	R 1760.04  PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 36.6 32.9 40.8 30.4  179  R 1758.07: PHAZ EMIS 39.7 31.7 40.8 30.4 31.1 40.8 30.4	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 POD S V 2 2.601 ALPHA 26.9 25.8 28.1 27.9 25.8	PTH A -64.392 114  SCALE P 0. 0.71854 1.23010 0.64870 1.24439 0.61166 EQUENCE NO  PTH A -64.373 114  SCALE P 0. 0.66107 1.13164 0.59677 1.14477	Z .811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 968 Z .806 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
PHOTO DATA PT LAT LON 3 -10.695 -20.530 4 -10.695 -20.488 5 -10.713 -20.484 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31.1964 13 HR PHOTO DATA PT LAT LON 2 -10.698 -20.514 3 -10.690 -20.534 4 -10.698 -20.534 7 -10.690 -20.534 JULY 31,1964 13 HR	RANGE 28.61165 28.44431 28.99721 29.2091 28.65017 28.44431 25 MIN 39 RANGE 26.50690 26.16901 26.66833 26.87241 26.35835 26.16901	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173 AZS/C -54.2 -53.9 -54.5 -52.4 -53.9	AZN 10.8 10.5 11.1 11.1 10.6 10.5 MS	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7 -80.5 -81.3 -80.7	AZA 35.8 35.8 35.7 35.9 35.8 TAB NO  IMPACT 626  AZA 35.8 35.6 35.6 35.6 35.6 35.6 35.7	ALT 24.5859  0.27690 C.27331 C.28065 C.27531 179  ALT 22.6162 A. C.25475 C.25144 C.25623 C.25325 C.25144 180	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.862 -86.3 ATLAS PHOT  LAT 9 -10.480 -2 B/A AZPHAZ 0.851 -89.0 0.863 -88.3 0.846 -88.2 0.866 -89.7 0.863 -88.3 ATLAS PHOT	LON C.747 INCO 67.7 67.7 67.7 67.7 67.7 67.7 O NO LCN C.918 INCO 67.7 67.7 67.7 67.7	R 1760.041  PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 38.6 32.9 40.8 31.1 40.8 30.4  179  R 1758.07: PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 40.8 31.1 40.8 30.4	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 POD S V 2 2.601 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 28.1 27.9 25.6 25.8	PTH A -64-392 114  SCALE P 0. 0.71854 1.23010 0.64870 1.24439 0.61166 EQUENCE NO  PTH A -64-373 114  SCALE P 0. 0.66107 1.13164 0.59677 1.14477 0.56273 SEQUENCE NO	Z .811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 968  Z .806 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 969
PHOTO DATA PT LAT LON 2 -10.695 -20.530 4 -10.695 -20.530 4 -10.695 -20.530 5 -10.713 -20.484 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.698 -20.514 3 -10.690 -20.534 4 -10.687 -20.496 5 -10.706 -20.496 5 -10.706 -20.531 7 -10.690 -20.534 JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 28.61165 28.44431 28.99721 29.2091 28.65017 28.44431 25 MIN 39 RANGE 26.50690 26.16901 26.66833 26.87241 26.35835 26.16901	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173 AZS/C -54.2 -53.9 -54.5 -52.4 -53.9	AZN 10.8 10.5 11.1 11.1 10.6 10.5 MS	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7 -80.5 -81.3 -80.7	AZA 35.8 35.8 35.7 35.9 35.8 TAB NO  IMPACT 626  AZA 35.8 35.6 35.6 35.6 35.6 35.6 35.7	ALT 24.5859  0.27690 C.27331 C.28065 C.27531 179  ALT 22.6162 A. C.25475 C.25144 C.25623 C.25325 C.25144 180	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 0.856 -89.7 0.862 -86.3 ATLAS PHOT  LAT 9 -10.480 -2 B/A AZPHAZ 0.851 -89.0 0.863 -88.3 0.846 -88.2 0.866 -89.7 0.863 -88.3 ATLAS PHOT	LON C.747 INCO 67.7 67.7 67.7 67.7 67.7 67.7 O NO LCN C.918 INCO 67.7 67.7 67.7 67.7	R 1760.041  PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 38.6 32.9 40.8 31.1 40.8 30.4  179  R 1758.07: PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 40.8 31.1 40.8 30.4	V 1 2.600 ALPHA 26.9 25.8 28.1 27.9 25.6 POD S V 2 2.601 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 28.1 27.9 25.6 25.8	PTH A -64-392 114  SCALE P 0. 0.71854 1.23010 0.64870 1.24439 0.61166 EQUENCE NO  PTH A -64-373 114  SCALE P 0. 0.66107 1.13164 0.59677 1.14477 0.56273 SEQUENCE NO	Z .811 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 968  Z .806 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 969
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PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.695 -20.484 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.698 -20.514 3 -10.690 -20.534 4 -10.697 -20.492 6 -10.706 -20.531 7 -10.690 -20.531 TATALECTORY DATA  PHOTO DATA PT LAT LON 2 -10.698 -20.534 4 -10.687 -20.492 6 -10.706 -20.534 TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.692 -20.534  PHOTO DATA PT LAT LON 2 -10.692 -20.534 4 -10.697 -20.534 4 -10.698 -20.534 4 -10.698 -20.534	RANGE 28.44431 28.99721 29.2010 28.65017 28.44431 25 MIN 39 RANGE 26.50690 26.16901 26.66833 26.87241 26.35835 26.16901 25. MIN 40	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173 AZS/C -54.2 -53.9 SEC 13	AZN 10.8 10.5 11.1 10.6 10.5 MS AZN 10.6 10.5 MS	AZ SUN -80.7 -80.5 -81.2 -81.3 -80.7 -80.5 -81.2 -81.3 -80.7	IMPACT 466  AZA 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO  IMPACT 626  AZA 35.8 35.6 35.6 735.9 35.8 TAB NO	ALT 24.5859  0.27690 C.27331 0.27851 C.28065 C.27531 179  ALT 22.6162 A. C.25623 C.255144 C.25623 C.25325 C.25144 180  ALT 20.6461 A. C.22957 C.23394	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 C.862 -86.3 ATLAS PHOT  LAT 9 -10.480 -2 B/A AZPHAZ 0.851 -69.0 0.863 -88.3 ATLAS PHOT  LAT 0.864 -88.2 0.846 -88.2 0.846 -89.7 0.863 -88.3 ATLAS PHOT  LAT 0.856 -89.7 0.8663 -88.3 0.846 -88.2 0.846 -88.2 0.846 -88.2	LON 0.947 1NCO 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7	R 1760.04  PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 38.6 32.9 40.8 30.4 179  R 1758.07: PHAZ EMIS 39.7 31.7 40.8 30.4 180  R 1756.10  PHAZ EMIS 39.7 31.7 40.8 30.4 180	V 2.600 ALPHA 26.9 25.8 POD S V 2.601 ALPHA 26.9 25.8 POD S S C 2.601 ALPHA 26.9 25.8 POD S C 26.9 25.8 POD S C 26.9 25.8 26.9 25.8 26.9 25.8 26.9 25.8 26.9 25.8 26.9 25.8 26.9 25.8 26.9 25.8 26.9 26.9 26.9 26.9 26.8 26.9 26.9 26.8 26.9 26.9 26.9 26.9 26.9 26.9 26.9 26.9	PTH A -64.392 114  SCALE P 0. 0.71854 1.23010 0.64870 1.24439 0.61166 EQUENCE NO  PTH A -64.373 114  SCALE P 0. 0.66107 0.59677 1.14477 0.55273  SEQUENCE NO  PTH A -64.355 114  SCALE P 0. 0.60349	Z .811 T-PT 1-2 2-3 3-4 4-5 5-6-7 968 Z .806 T-PT 1-2 2-3 3-4 4-5 6-7 969
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.695 -20.488 6 -10.713 -20.488 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.698 -20.514 3 -10.690 -20.534 4 -10.687 -20.496 5 -10.706 -20.496 5 -10.706 -20.496 5 -10.706 -20.496 5 -10.708 -20.531 7 -10.698 -20.531  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.690 -20.534  TRAJECTORY OATA  PHOTO DATA  PT LAT LON 2 -10.695 -20.530  JULY 31,1964 13 HR  TRAJECTORY OATA  PHOTO DATA  PT LAT LON 2 -10.695 -20.534  -10.695 -20.5504 5 -10.700 -20.530	RANGE 28.44431 28.98721 29.2091 28.45017 28.45017 28.44431 25 MIN 39  RANGE 26.50690 26.16901 25.MIN 40  RANGE 24.20096 23.49255 24.34832 24.53457	AZS/C -54.2 -53.9 -56.1 -54.5 -53.9 SEC 173 AZS/C -54.2 -53.9 SEC 13	AZN 10.8 10.5 11.1 10.6 10.5 10.8 MS AZN 10.8 10.5 11.1 10.6 10.5 11.1 10.6 10.5 11.1 10.6 10.5 11.1 11.1 10.8 AZN 10.8 10.8 11.1 11.1 11.1 10.8 AZN 10.8 11.1 11.1 11.1 11.1 11.1 11.1 11.1	AZ SUN -80.7 -80.5 -81.2 -81.3 -80.7 -80.5 -81.2 -81.3 -80.7	IMPACT 466  AZA 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO  IMPACT 626  AZA 35.8 35.6 35.6 735.9 35.8 TAB NO	ALT 24.5859  A. 0.27690 C.27331 0.27851 C.28065 C.27537 179  ALT 22.6162  A. 0.25475 C.25144 C.25623 C.25820 C.25144 180  ALT 20.6461 A. C.23259 C.25144 180	7 -10.467 -2  8/A AZPHAZ  0.851 -89.0  0.862 -88.3  0.846 -88.2  0.839 -89.7  0.856 -89.7  0.862 -86.3  ATLAS PHOT  LAT  9 -10.480 -2  B/A AZPHAZ  0.863 -88.3  ATLAS PHOT  LAT  0.864 -88.2  0.846 -89.7  0.863 -88.3  ATLAS PHOT  LAT  2 -10.493 -2  B/A AZPHAZ  0.851 -89.0  0.863 -88.3  ATLAS PHOT  LAT  2 -10.493 -2  B/A AZPHAZ  0.851 -89.7  0.863 -88.3  0.846 -88.2  0.846 -88.2	LON C. 347  INCO 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7	R 1760.04  PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 36.6 32.9 40.8 30.4 179  R 1758.07; PHAZ EMIS 39.7 31.7 40.8 30.4 180  R 1756.10  R 1756.10	V 2-600 S V 2-601 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 POD S V 2-601 ALPHA 26.9 25.8 POD S V 2-602 ALPHA 26.9 25.8 28.1 27.9 25.1 27.9 25.1 27.9 25.1 27.9 25.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.1 27.9 27.1 27.1 27.1 27.9 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1	PTH A -64.392 114  SCALE P 0.1854 1.23010 0.64870 1.24439 0.61166  EQUENCE NO  PTH A -64.373 114  SCALE P 0.0 0.66107 1.13164 0.59677 0.56273  SEQUENCE NO  PTH A -64.355 114  SCALE P 0.0 0.60349 1.03315 0.54484	Z .811 T-PT 1-2 2-3 3-4 4-5-6-7 968 Z .806 T-PT 1-2 2-3 3-4 4-5-7 6-7 969
PHOTO DATA PT LAT LON 2 -10.704 -20.507 3 -10.695 -20.530 4 -10.695 -20.484 6 -10.713 -20.484 6 -10.715 -20.526 7 -10.695 -20.530  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.698 -20.514 3 -10.698 -20.534 4 -10.697 -20.535 T -10.690 -20.534 JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.698 -20.534 JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.690 -20.534  PHOTO DATA PT LAT LON 2 -10.692 -20.534	RANGE 28.44431 28.99721 29.2010 28.65017 28.44431 25 MIN 39 RANGE 26.50690 26.16901 26.66833 26.87241 26.35835 26.16901 25. MIN 40	AZS/C -54.2 -53.9 -56.1 -54.5 -52.4 -53.9 SEC 173 AZS/C -54.2 -53.9 -56.1 AZS/C -53.9 SEC 13	AZN 10.8 10.5 11.1 10.6 10.5 MS AZN 10.6 10.5 MS	AZ SUN -80.9 -80.7 -80.5 -81.2 -81.3 -80.7 -80.5 -81.2 -81.3 -80.7 -80.5 -81.2 -81.3 -80.7 -80.5 -81.2 -80.8 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.5 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7 -80.7	IMPACT 466  AZA 35.8 35.8 35.6 35.7 35.9 35.8 TAB NO  IMPACT 626  AZA 35.8 35.6 35.6 735.9 35.8 TAB NO	ALT 24.5859  A. 0.27690 C.27331 0.27851 C.28065 C.27537 179  ALT 22.6162  A. 0.25475 C.25144 C.25623 C.25820 C.25144 180  ALT 20.6461 A. C.23259 C.25144 180	LAT 7 -10.467 -2 8/A AZPHAZ 0.851 -89.0 0.862 -88.3 0.846 -88.2 0.839 -89.7 C.862 -86.3 ATLAS PHOT  LAT 9 -10.480 -2 B/A AZPHAZ 0.851 -69.0 0.863 -88.3 ATLAS PHOT  LAT 0.864 -88.2 0.846 -88.2 0.846 -89.7 0.863 -88.3 ATLAS PHOT  LAT 0.856 -89.7 0.8663 -88.3 0.846 -88.2 0.846 -88.2 0.846 -88.2	LON C. 347  INCO 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7	R 1760.04  PHAZ EMIS 39.7 31.7 40.8 30.4 38.6 32.2 36.6 32.9 40.8 30.4 179  R 1758.07; PHAZ EMIS 39.7 31.7 40.8 30.4 180  R 1756.10  R 1756.10	V 2-600 S V 2-601 ALPHA 26.9 25.8 28.1 27.9 25.6 25.8 POD S V 2-601 ALPHA 26.9 25.8 POD S V 2-602 ALPHA 26.9 25.8 28.1 27.9 25.1 27.9 25.1 27.9 25.1 27.9 25.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.9 27.1 27.1 27.9 27.1 27.1 27.1 27.9 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1	PTH A -64.392 114  SCALE P 0. 0.71854 1.23010 0.64870 1.24439 0.61166 EQUENCE NO  PTH A -64.373 114  SCALE P 0. 0.66107 0.59677 1.14477 0.55273  SEQUENCE NO  PTH A -64.355 114  SCALE P 0. 0.60349	Z .811 T-PT 1-2 2-3 3-4 4-5-6-7 968 Z .806 T-PT 1-2 2-3 3-4 4-5-7 6-7 969

RA-VII CAMERA PI

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JULY 31,1964 13 HR	25 MIN 40 S	FC 853 MS	TAB NO	181 ATLAS PHOTO NO	POD SEQUENCE NO 970
TRAJECTORY DATA	23		SEC TO IMPACT	ALT LAT LON	R V PTH AZ
BUDTO DATA			7.947	18.67517 -10.506 -20.861	
PT LAT LCN	RANGE 21.89350	AZS/C AZ	AZSUN AZA	A* B/A AZPHAZ INC	D PHAZ EMIS ALPHA SCALE PT-PT
2 +10.686 -20.526 3 -10.680 -20.543	21.89350 21.61455	-54.2 10. -53.9 10.		0.21041 0.851 -89.0 67. C.20768 C.863 -88.3 67.	7 39.7 31.6 26.9 0. 1- 2 6 40.8 30.4 25.8 0.54597 2- 3
4 -10.677 -20.512	22.02674	-56.1 11.	-80.5 35.6	C.21163 C.846 -88.2 67.	7 38.6 32.2 28.1 0.93459 3-4
5 -10.693 -20.509 6 -10.695 -20.540		-54.5 11. -52.4 10.		C.21326 O.84C -89.7 67. C.20918 O.856 -89.7 67.	6 40.8 31.1 25.6 0.94543 5- 6
7 -10.680 -20.543	21.61455	-53.9 10.	5 -80.7 35.8	0.20768 0.863 -86.3 67.	6 40.8 30.4 25.8 0.46487 6- 7
			TAB NO	182 ATLAS PHOTO NO	182 POD SEQUENCE NO 971
JULY 31,1964 13 HR	25 MIN 41 S	6EC 693 MS			
TRAJECTORY DATA			SEC TO IMPACT 7.107	ALT LAT LON 16.70384 -10.519 -20.833	R W PIH AZ 1752-159 2-605 -64-318 114-789
PHOTO DATA					
PT LAT LON 2 -10.580 -20.533	RANGE 19.58497	AZS/C AZ -54.2 10.	N AZSUN AZA 3 -80.9 35.8	A* B/A AZPHAZ INC C.18823 C.851 -89.0 67.	D PHAZ EMIS ALPHA SCALE PT-PT 7 39.7 31.6 26.9 0. 1-2
3 -10.674 -20.548	19.33552			C.18578 C.863 -88.3 67.	6 40.8 30.4 25.8 0.48834 2- 3
4 -10.672 -20.520 5 -10.687 -20.517	19.70416 19.85479	-56.1 11. -54.5 11.		C.19077 C.84C -88.2 67.	7 38.6 32.2 28.1 0.83599 3-4.7 38.6 32.9 27.9 0.44078 4-5
6 -10.688 -20.545	19.47533	-52.4 10.	5 -81.3 35.9	C.18712 C.856 -89.7 67.	6 40.8 31.1 25.6 0.84568 5- 6
7 -10.674 -20.548	19.33552	-53.9 10.		C.18578 O.863 -88.3 67.	
JULY 31,1964 13 HR	25 MIN 42 S	EC 533 MS	TAB NO	183 ATLAS PHOTO NO	183 POD SEQUENCE NO 972
TRAJECTURY DATA			SEC TO IMPACT 6.267	ALT LAT LGN 14.73192 -10.532 -20.804	R V PTH AZ 1750-187 2.606 -64.300 114.784
PHOTO DATA			-		
PT LAT LON 2 -10.674 -20.539	RANGE 17.27519		N AZSUN AZA 3 -80.9 35.8		6 39.7 31.6 26.8 0. 1-2
3 -10.669 -20.553	17.05523	-53.9 10. -56.1 11.	5 -80.7 35.8 1 -80.5 35.6	C.16387 O.863 -88.3 67.	6 40.8 30.4 25.8 0.43067 2-3 7 38.6 32.2 28.1 0.73736 3-4
4 -10.667 -20.528 5 -10.680 -20.525	17.51310	-54.5 11.		C.16699 C.846 -88.2 67. O.16827 O.84C -89.7 67.	7 38.6 32.9 27.9 0.38884 4- 5
6 -10.681 -20.550 7 -10.669 -20.553	17.17849	-52.4 10. -53.9 10.		0.165C5 C.856 -69.7 67.	6 40.8 31.1 25.6 0.74590 5-6
7 -10.869 -20.553	17.05523	-73.9 10.	5 -80.7 35.8	C.16387 C.863 -88.3 67.	6 40.8 30.4 25.8 0.36661 6- 7
			TAR NO	104 47140 711070 110	104 DOD GEOLIENOE NO 073
JULY 31,1964 13 HR	25 MIN 43 S	SEC 373 MS	TAB NO	184 ATLAS PHOTO NO	184 POD SEQUENCE NO 973
JULY 31,1964 13 HR TRAJECTORY DATA	25 MIN 43 S	SEC 373 MS	TAB NO SEC TO IMPACT 5.427	ALT LAT LON 12.75926 -10.545 -20.775	R V PTH AZ
TRAJECTORY DATA			SEC TO IMPACT 5.427	ALT LAT LON 12.75926 -10.545 -20.775	R V PTH AZ 1746.215 2.607 -64.281 114.778
TRAJECTORY DATA		AZS/C AZ	SEC TO IMPACT 5.427 N AZSUN AZA 5 -60.9 35.8	ALT LAT LON 12.75426 -10.545 -2C.775  A• B/A AZPHAZ INC	R V PTH AZ 1745.215 2.607 -64.281 114.778 D PHAZ LMIS ALPHA SCALE PT-PT A 30.7 31.6 26.8 0. 1-2
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.668 -20.546 3 -10.664 -20.557	RANGE 14.96395 14.77347	AZS/C AZ -54.2 10. -53.9 10.	SEC TO IMPACT 5.427 N A/SUN AZA 8 -80.9 35.8 5 -80.7 35.8	ALT LAT LON 12.75926 -10.545 -2C.775 A• B/A AZPHAZ INC C.14321 C.851 -89.0 67. C.14195 C.863 -88.3 67.	R V PTH AZ 1745-215 2-607 -64-281 114-778 D PHAZ LMIS ALPHA SCALE PT-PT A 30.7 31.6 26.8 0 1-2
TRAJECTORY DATA PT LAT LON 2 -10.668 -20.546 3 -10.664 -20.554 4 -10.662 -20.536	RANGE 14.96395 14.77347 15.05494	AZS/C AZ -54.2 10. -53.9 10. -56.1 11.	SEC TO IMPACT 5.427 N A/SUN AZA 8 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.8	ALT LAT LON 12.75926 -10.545 -2C.775  A* B/A AZPHAZ INC C.14321 C.851 -89.0 67. C.14495 C.863 -88.3 67. C.14465 C.846 -88.2 67.	R V PTH AZ 1746.215 2.607 -64.281 114.778 D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1-2 6 40.8 30.4 25.8 0.37301 2-3 7 38.6 32.2 28.1 0.63867 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.668 -20.596 4 -10.662 -20.596 5 -10.671 -70.593 6 -10.674 -20.555	RANGE 14.96395 14.77347 15.05494 15.16995 14.88020	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10.	SEC TO IMPACT 5.427 N A/SUN AZA 3 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.6 1 -81.2 35.7 5 -81.3 35.9	ALT LAT LON 12.75926 -10.545 -2C.775 A* B/A AZPHAZ INC C.14391 C.851 -89.0 67. C.14195 C.863 -88.3 67. C.14465 0.84c -88.2 67. C.14576 C.84C -89.7 67. C.1427 C.857 -89.7 67.	R V PTH AZ 1748.215 2.607 -64.281 114.778 D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1 - 2 6 40.8 30.4 25.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 27.8 0.33681 4- 5 6 40.8 31.1 25.6 0.36606.5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.668 -20.546 3 -10.664 -20.557 4 -10.662 -20.536 5 -10.673 -20.534	RANGE 14.96395 14.77347 15.05494 15.16995 14.88020	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11.	SEC TO IMPACT 5.427 N A/SUN AZA 8 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.0 6 -81.2 35.7 5 -81.3 35.9 5 -80.7 35.8	ALT LAT LON 12.75926 -10.545 -2C.775 A* B/A AZPHAZ INC C.14391 C.851 -89.0 67. C.14195 C.863 -88.3 67. C.14465 0.84c -88.2 67. C.14576 C.84C -89.7 67. C.14297 C.857 -89.7 67. C.14195 U.863 -88.3 67.	R V PTH AZ 1746.215 2.607 -64.281 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.9 27.8 0.33681 4- 5 6 40.8 30.4 25.8 0.31757 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.668 -20.596 4 -10.662 -20.596 5 -10.671 -70.593 6 -10.674 -20.555	RANGE 14.96395 14.77347 15.05494 15.16995 14.88020 14.77547	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10.	SEC TO IMPACT 5.427 N A/SUN AZA 3 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.6 1 -81.2 35.7 5 -81.3 35.9	ALT LAT LON 12.75926 -10.545 -2C.775 A* B/A AZPHAZ INC C.14195 C.851 -89.0 67. C.14195 C.863 -88.3 67. C.14465 C.846 -89.7 67. C.14576 C.846 -89.7 67. C.14297 C.857 -89.7 67. C.14195 U.863 -88.3 67.	R V PTH AZ 1746.215 2.607 -64.281 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.9 27.8 0.33681 4- 5 6 40.8 30.4 25.8 0.31757 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.668 -20.546 3 -10.662 -20.557 4 -10.662 -20.556 5 -10.673 -20.557 7 -10.664 -20.557	RANGE 14.96395 14.77347 15.05494 15.16995 14.88020 14.77547	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10.	SEC TO IMPACT 5.427 N A/SUN AZA 8 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.0 6 -81.2 35.7 5 -81.3 35.9 5 -80.7 35.8	ALT LAT LCN 12.7592¢ -10.545 -2C.775  A• B/A AZPHAZ INC C.14381 C.851 -89.0 67. C.14455 C.846 -88.3 67. C.14456 C.846 -88.2 67. C.14576 C.84C -89.7 67. C.14297 C.857 -89.7 67. C.14195 U.863 -88.3 67.  185 ATLAS PHOTO NO	R V PTH AZ 1748-215 2-607 -64-281 114-778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39-7 31.6 26.8 0. 1- 2 6 40.8 30.4 25.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.9 27.8 0.33681 4- 5 6 40.8 31.1 25.6 0.31757 6- 7  185 POD SEQUENCE NO 974  R V PTH AZ
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.557 4 -10.662 -20.556 5 -10.673 -20.534 6 -10.674 -20.555 7 -10.664 -20.557  JULY 31,1964 13 HR  TRAJECTURY DATA	RANGE 14, 79395 14, 77347 15, 05494 15, 16995 14, 88020 14, 77347 25 MIN 44 S	AZSZC AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10.	SEC TO IMPACT 5.427  N A/SUN AZA 5 -80.7 35.8 1 -80.5 35.0 1 -81.3 35.9 5 -80.7 35.8  TAB NO  SEC TO IMPACT 4.587	ALT LAT LCN 12.75926 -10.545 -2C.775  A	R V PTH AZ 1746.215 2.607 -64.281 114.778  D PHAZ L HIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1-2 6 40.8 30.4 25.8 0.37301 2-3 7 38.6 32.2 28.1 0.33681 4-5 6 40.8 31.1 25.6 0.3157 6-7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.668 -20.556 4 -10.662 -20.556 5 -10.673 -20.555 7 -10.664 -20.555 7 -10.664 -20.555 T-10.664 -20.555 T-10.664 -20.555 DULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON	RANGE 14, 76395 14, 77347 15, 05494 15, 16995 14, 8020 14, 77347 25 MIN 44 S	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10. SEC 213 MS	SEC TO IMPACT 5.427  N A/SUN AZA 6.60.7 35.8 5.80.7 35.8 1.80.7 35.8 1.80.7 35.8 TAB NO  SEC TO IMPACT 4.587  N AZSUN AZAN AZAN AZAN AZAN AZAN AZAN AZAN AZ	ALT LAT LON 12.7592e -10.545 -2C.775  A* B/A AZPHAZ INC C.14195 C.863 -89.0 67. C.14456 C.846 -88.3 67. C.14456 C.846 -88.3 67. C.1456 G.84C -89.7 67. C.1457 G.845 -89.7 67. C.1457 D.863 -88.3 67.  185 ATLAS PHOTO NO  ALT LAT LCN 10.78586 -10.558 -20.746  A* B/A AZPHAZ INC	R V PTH AZ 1746.215 2.607 -64.281 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.9 27.8 0.33681 4- 5 6 40.8 30.4 25.8 0.31757 6- 7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.556 4 -10.662 -20.556 5 -10.673 -20.555 7 -10.664 -20.555 7 -10.664 -20.555 JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 2 -10.663 -20.552 3 -10.663 -20.552 4 -10.557 -20.564	RANGE 14, 763 95 14, 773 47 15, 169 95 14, 880 20 14, 773 47 25 MIN 44 S	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10. SEC 213 MS	SEC TO IMPACT 5.427  N A/SUN AZA 6.9-80.7 35.8 1 -80.5 35.0 1 -81.2 35.7 5 -81.3 35.9 TAB NO  SEC TO IMPACT 4.587  N AZSUN AZA 8 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.6	ALT LAT LCN 12.75926 -10.545 -2C.775  A* B/A AZPHAZ INC C.14381 C.851 -89.0 67. C.14195 C.863 -88.3 67. C.14576 C.84C -89.7 67. C.14297 C.857 -89.7 67. C.14297 C.857 -89.7 67. C.14195 U.863 -88.3 67.  185 ATLAS PHOTO NO  ALT LAT LCN 10.78586 -10.558 -2C.746  A* B/A AZPHAZ INC C.12159 O.852 -89.0 67. C.12201 0.863 -88.3 67. C.12229 C.847 -88.2 67. C.12229 C.847 -88.2 67.	R V PTH AZ 1746.215 2.607 -64.261 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63667 3- 4 7 38.6 32.2 28.1 0.63667 3- 4 7 38.6 32.2 28.1 0.63667 3- 4 7 38.6 32.2 28.1 0.63667 3- 7 185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.31537 2- 3 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.2 28.1 0.535992 3- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.556 3 -10.667 -20.556 5 -10.671 -20.555 7 -10.664 -20.555 7 -10.664 -20.555 3 -10.671 -20.555 3 -10.671 -20.555 3 -10.663 -20.552 3 -10.663 -20.552 3 -10.667 -20.564 5 -10.667 -20.564	RANGE 14.96395 14.77347 15.05494 15.16995 14.88020 14.77347 25 MIN 44 S RANGE 12.65118 12.49017 12.72807 12.82528 12.58038	AZS/C AZ -54.2 10. -56.1 11. -52.4 10. -53.9 10. -53.9 10. SEC 213 MS AZS/C AZ -54.2 10. -53.9 10. -54.5 11. -54.5 11.	SEC TO IMPACT 5.427  N A/SUN AZA 6.60.9 35.8 5.80.7 35.8 1.80.7 35.8 TAB NO  SEC TO IMPACT 4.587  N AZSUN AZA 6.80.9 35.8 5.80.7 35.8 1.80.9 35.8 1.80.7 35.8 1.80	ALT LAT LCN 12.75926 -10.545 -2C.775  A* B/A AZPHAZ INC C.14381 C.851 -89.0 67. C.14195 C.863 -88.3 67. C.14456 O.844 -89.7 67. C.14297 C.847 -89.7 67. C.14297 C.857 -89.7 67. C.14195 D.863 -88.3 67. 185 ATLAS PHOTO NO  ALT LAT LCN 10.78586 -10.558 -20.746  A* B/A AZPHAZ INC C.12159 O.852 -89.0 67. C.12229 C.857 -88.3 67. C.12229 O.857 -88.3 67. C.12229 O.857 -88.3 67. C.12229 O.857 -88.3 67. C.12229 O.857 -88.3 67. C.12001 O.855 -88.3 67. C.12001 O.857 -88.3 67. C.12007 O.857 -88.3 67.	R V PTH AZ 1746.215 2.607 -64.261 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1-2 6 40.8 30.4 25.8 0.37301 2-3 7 38.6 32.2 28.1 0.63867 3-4 7 38.6 32.2 28.1 0.63867 3-6 6 40.8 31.1 25.6 0.31681 4-5 6 40.8 31.1 25.6 0.31757 6-7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1-2 6 40.8 30.4 25.8 0.31537 2-3 6 38.6 32.2 28.1 0.53992 3-5 6 38.6 32.2 28.1 0.53992 3-5 6 38.6 32.2 28.1 0.53992 3-6 6 40.8 31.1 25.6 0.24468 4-5 6 40.8 31.1 25.6 0.24468 4-5
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.668 -20.556 3 -10.667 -20.553 6 -10.673 -20.553 6 -10.674 -20.555 7 -10.664 -20.555 JULY 31,1964 13 HR  TRAJECTURY DATA PHOTO DATA PT LAT LON 2 -10.657 -20.552 4 -10.657 -20.556 6 -10.657 -20.562	RANGE 14.96395 14.77347 15.05494 15.16995 14.88020 14.77347 25 MIN 44 N	AZS/C AZ -54.2 10. -56.1 11. -52.4 10. -53.9 10. -53.9 10. SEC 213 MS AZS/C AZ -54.2 10. -53.9 10. -54.5 11. -54.5 11.	SEC TO IMPACT 5.427  N A/SUN AZA 6.0.9 35.8 580.7 35.8 180.5 35.6 681.3 35.9 580.7 35.8  TAB NO  SEC TO IMPACT 4.587  N AZSUN AZA 880.9 35.8 580.7 35.8 180.5 35.6 681.2 35.7	ALT LAT LCN 12.75926 -10.545 -2C.775  A	R V PTH AZ 1746.215 2.607 -64.261 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1-2 6 40.8 30.4 25.8 0.37301 2-3 7 38.6 32.2 28.1 0.63867 3-4 7 38.6 32.2 28.1 0.63867 3-6 6 40.8 31.1 25.6 0.31681 4-5 6 40.8 31.1 25.6 0.31757 6-7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1-2 6 40.8 30.4 25.8 0.31537 2-3 6 38.6 32.2 28.1 0.53992 3-5 6 38.6 32.2 28.1 0.53992 3-5 6 38.6 32.2 28.1 0.53992 3-6 6 40.8 31.1 25.6 0.24468 4-5 6 40.8 31.1 25.6 0.24468 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.556 3 -10.667 -20.556 5 -10.671 -20.555 7 -10.664 -20.555 7 -10.664 -20.555 3 -10.671 -20.555 3 -10.671 -20.555 3 -10.663 -20.552 3 -10.663 -20.552 3 -10.667 -20.564 5 -10.667 -20.564	RANGE 14.79395 14.77347 15.05494 15.16995 14.88020 14.77347 25 MIN 44 S RANGE 12.65118 12.49017 12.7807 12.87268 12.58038 12.49017	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10. BEC 213 MS AZS/C AZ -54.2 10. -53.9 10. -54.5 11. -54.5 11. -52.4 10. -53.9 10.	SEC TO IMPACT 5.427  N A/SUN AZA 6.60.9 35.8 5.80.7 35.8 1.80.7 35.8 TAB NO  SEC TO IMPACT 4.587  N AZSUN AZA 6.80.9 35.8 5.80.7 35.8 1.80.9 35.8 1.80.7 35.8 1.80	ALT LAT LCN 12.75926 -10.545 -2C.775  A* B/A AZPHAZ INC C.14381 C.851 -89.0 67. C.14495 C.863 -88.3 67. C.14465 O.846 -89.2 67. C.14465 O.846 -89.2 67. C.14576 G.84C -89.7 67. C.14297 C.857 -89.7 67. C.1495 U.863 -88.3 67.  185 ATLAS PHOTO NO  ALT LAT LCN 10.78586 -10.558 -20.746  A* B/A AZPHAZ INC C.12010 0.863 -88.3 67. C.12029 C.857 -88.3 67. C.12029 C.857 -89.7 67. C.12021 0.863 -88.3 67. C.12021 0.863 -88.3 67. C.12021 0.863 -88.3 67.	R V PTH AZ 1746.215 2.607 -64.281 114.778  D PHAZ LMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 31.2 25.6 0.31761 4- 5 6 40.8 30.4 25.8 0.31757 6- 7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ LMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.2 28.1 0.53992 3- 4 6 38.6 32.2 28.1 0.53992 3- 4 6 38.6 32.9 27.8 0.26468 4- 5 6 40.8 30.4 25.8 0.26854 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.556 3 -10.664 -20.556 5 -10.673 -20.536 6 -10.674 -20.555 7 -10.664 -20.557  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 2 -10.663 -20.552 3 -10.663 -20.552 4 -10.667 -20.562 6 -10.667 -20.562 7 -10.667 -20.562	RANGE 14.79395 14.77347 15.05494 15.16995 14.88020 14.77347 25 MIN 44 S RANGE 12.65118 12.49017 12.7807 12.87268 12.58038 12.49017	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10. BEC 213 MS AZS/C AZ -54.2 10. -53.9 10. -54.5 11. -54.5 11. -52.4 10. -53.9 10.	SEC TO IMPACT 5.427  N A/SUN AZA 6.0.0, 35.8 5 -80.7 35.8 1 -81.2 35.7 5 -81.3 35.9 5 -80.7 35.8  TAB NO  SEC TO IMPACT 4.587 N AZSUN AZA 8.8 8 -80.9 35.8 5 -80.7 35.8 1 -80.5 35.0 6 -81.2 35.7 5 -81.3 35.9 5 -80.7 35.8  TAB NO  SEC TO IMPACT TAB NO	ALT LAT LCN  12.75926 -10.545 -2C.775  A* B/A AZPHAZ INC  C.14391 C.851 -89.0 67.  C.14495 C.863 -88.3 67.  C.14465 C.846 -89.7 67.  C.14467 C.847 -89.7 67.  C.1427 C.857 -89.7 67.  C.14297 C.857 -89.7 67.  C.1229 C.857 -89.0 67.  C.1229 C.852 -89.0 67.  C.1229 C.852 -89.0 67.  C.1229 C.852 -89.7 67.  C.12201 C.852 -89.7 67.  C.12207 C.857 -89.7 67.  C.12207 C.857 -89.7 67.  C.1201 C.863 -88.3 67.  186 ATLAS PHOTO NO	R V PTH AZ 1746.215 2.607 -64.281 114.778  D PHAZ LMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.9 27.8 0.33681 4- 5 6 40.8 31.1 25.6 0.31757 6- 7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1- 2 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.2 28.1 0.53992 3- 4 6 40.8 30.4 25.8 0.31637 2- 3 6 38.6 32.2 28.1 0.59992 3- 6 6 40.8 30.4 25.8 0.26468 4- 5 6 40.8 30.4 25.8 0.26468 4- 6 6 40.8 30.4 25.8 0.26468 4- 6 6 40.8 30.4 25.8 0.26468 4- 6 6 40.8 30.4 25.8 0.26854 6- 7  186 POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 = 10.664 -20.556 3 = 10.667 -20.556 6 = 10.673 -20.536 6 = 10.674 -20.555 7 - 10.664 -20.555 7 - 10.664 -20.555 JULY 31,1964 13 HR  TRAJECTURY DATA PHOTO DATA PT LAT LON 2 = 10.659 -20.562 4 = 10.657 -20.562 5 = 10.657 -20.562 JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 = 10.659 -20.562 JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	RANGE 14, 79395 14, 77347 15, 05494 15, 16995 14, 88020 14, 77547 25 MIN 44 S RANGE 12, 65118 12, 49017 12, 17887 12, 17887 12, 17887 12, 17887 12, 17887 12, 17887 12, 17887 12, 17887 12, 18938 12, 49017	AZS/C AZ -54.2 10. -53.9 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10. SEC 213 MS AZS/C AZ -54.2 10. -54.2 10. -54.2 10. -54.5 11. -52.4 10. -53.9 10.	SEC TO IMPACT 5.427  N A/SUN AZA 6.90.9 35.8 5.80.7 35.8 1.80.5 35.0 5.81.3 35.9 5.80.7 35.8  TAB NO  SEC TO IMPACT 4.587 N AZSUN AZA 8.80.7 35.8 5.80.7 35.8 1.80.5 35.0 6.81.3 35.9 5.80.7 35.8 TAB NO  SEC TO IMPACT 3.747	ALT LAT LCN 12.75926 -10.545 -2C.775  A	R V PTH AZ 1746.215 2.607 -64.281 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.9 27.8 0.33681 4- 5 6 40.8 31.1 25.6 0.31757 6- 7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1- 2 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.2 28.1 0.53992 3- 4 6 40.8 31.1 25.6 0.54618 5- 6 6 40.8 30.4 25.8 0.54648 4- 5 6 40.8 31.1 25.6 0.54618 5- 6 6 40.8 30.4 25.8 0.26854 6- 7  186 POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.556 3 -10.664 -20.556 5 -10.673 -20.556 5 -10.674 -20.555 7 -10.664 -20.557  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.663 -20.552 3 -10.663 -20.562 4 -10.657 -20.564 5 -10.667 -20.566 7 -10.667 -20.562 JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.667 -20.562	RANGE 14.79395 14.77347 15.05494 15.16995 14.88020 14.77347 25 MIN 44 S RANGE 12.65118 12.49017 12.72807 12.82528 12.49017 25 MIN 45 S	AZS/C AZ -54.2 1056.1 1154.5 1152.4 1053.9 10. SEC 213 MS  AZS/C AZ -54.2 1053.9 1056.1 1154.5 1154.5 1053.9 10. SEC 53 MS	SEC TO IMPACT 5.427  N A/SUN AZA 6 -80.7 35.8 1 -80.7 35.8 1 -81.2 35.7 5 -81.3 35.9 TAB NO  SEC TO IMPACT 4.587 N AZSUN AZA 8 -80.7 35.8 1 -80.5 35.6 1 -81.2 35.7 5 -80.7 35.8 TAB NO  SEC TO IMPACT 3.747 N AZSUN AZA	ALT LAT LCN 12.75926 -10.545 -2C.775  A* B/A AZPHAZ INC C.14381 G.851 -89.0 67. C.14195 C.863 -88.3 67. C.14576 G.84C -89.7 67. C.14576 G.84C -89.7 67. C.14297 C.897 -89.7 67. C.14195 U.863 -88.3 67.  185 ATLAS PHOTO NO  ALT LAT LCN 10.78586 -10.558 -2C.746  A* B/A AZPHAZ INC C.12229 C.847 -88.2 67. C.12001 0.853 -88.3 67. C.12001 0.853 -88.3 67. C.12001 0.853 -88.3 67. C.12001 0.853 -89.7 67. C.12001 0.853 -89.7 67. C.12001 0.853 -89.7 67. C.12001 0.857 -89.7 67. C.12001 0.858 -89.7 67. C.12001 0.858 -89.7 67. C.12001 0.857 -89.7 67. C.12001 0.857 -89.7 67. C.12001 0.857 -89.7 67. C.12001 0.857 -89.7 67. C.12001 0.858 -89.7 67. C.12001 0.859 -89.7 67. C.12001 0.859 -89.7 67. C.12001 0.859 -89.7 67. C.12001 0.859 -89.7 67. C.12001 0.857 -89.7 67. C.12001 0.859 -89.7 67. C.12001 0.857 -89.7 67. C.12001 0.859 -89	R V PTH AZ 1746.215 2.607 -64.261 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63667 3- 4 7 38.6 32.2 28.1 0.63667 3- 4 6 40.8 30.4 25.8 0.31757 6- 7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1- 2 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.2 28.1 0.53992 3- 4 6 38.6 32.2 28.1 0.53992 3- 4 6 38.6 32.9 27.8 0.31637 2- 3 6 38.6 32.9 27.8 0.31637 2- 3 6 38.6 32.9 27.8 0.3668 4- 5 6 40.8 30.4 25.8 0.3668 4- 5 6 40.8 30.4 25.8 0.26468 4- 5 6 40.8 30.4 25.8 0.26468 4- 5 6 40.8 30.4 25.8 0.26854 6- 7  186 POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.556 3 -10.664 -20.557 4 -10.662 -20.556 5 -10.673 -20.555 7 -10.664 -20.555 7 -10.664 -20.555 3 -10.663 -20.552 3 -10.663 -20.552 3 -10.663 -20.552 3 -10.663 -20.562 4 -10.67 -20.567 6 -10.667 -20.562  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.667 -20.562  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 14.796395 14.77347 15.05494 15.16995 14.88020 14.77347 25 MIN 44 S RANGE 12.49017 12.72807 12.82528 12.58038 12.49017	AZS/C AZ -54.2 1056.1 1154.5 1152.4 1053.9 10. SEC 213 MS  AZS/C AZ -54.2 1053.9 10. SEC 53 MS  AZS/C AZ -54.2 1053.9 1053.9 10.	SEC TO IMPACT 5.427  N A/SUN AZA 6.0-9 35.8 5-80.7 35.8 1-80.5 35.7 5-81.3 35.9 -80.7 35.8  TAB NO  SEC TO IMPACT 4.587  N AZSUN AZA 8-80.7 35.8 5-80.7 35.8 1-80.5 35.7 5-81.3 35.9 5-80.7 35.8 TAB NO  SEC TO IMPACT 4.587  N AZSUN 35.8 5-80.7 35.8 5-80.7 35.8 5-80.7 35.8 5-80.7 35.8 5-80.7 35.8 7 35.8 7 35.8 7 35.8 7 35.8 7 35.8 7 35.8 7 35.8 7 35.8 7 35.8	ALT LAT LCN  12.75926 -10.545 -2C.775  A* B/A AZPHAZ INC C.14381 C.851 -89.0 67. C.14195 C.863 -88.3 67. C.14576 G.84C -89.7 67. C.14297 C.897 -89.7 67. C.14297 C.897 -89.7 67. C.14297 C.857 -89.7 67. C.14297 C.863 -88.3 67.  185 ATLAS PHOTO NO  ALT LAT LCN 10.78586 -10.558 -20.746  A* B/A AZPHAZ INC C.12229 C.847 -88.2 67. C.12229 C.847 -88.2 67. C.12229 C.847 -88.2 67. C.12229 C.847 -88.2 67. C.12201 C.853 -88.3 67. C.12001 C.853 -88.3 67. C.12001 C.853 -89.7 67. C.12001 C.857 -89.7 67. C.12001 C.857 -89.7 67. C.12001 C.857 -89.7 67. C.12001 C.858 -88.3 67.  186 ATLAS PHOTO NO	R V PTH AZ 1746.215 2.607 -64.261 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1-2 6 40.8 30.4 25.8 0.37301 2-3 7 38.6 32.2 28.1 0.63867 3-4 6 40.8 31.1 25.6 0.346606. 5-6 6 40.8 30.4 25.8 0.31757 6-7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.31537 2-3 6 38.6 32.2 28.1 0.53992 3-4 6 38.6 32.9 27.8 0.31637 2-3 6 38.6 32.9 27.8 0.31637 2-3 6 38.6 32.9 27.8 0.26468 4-5 6 40.8 30.4 25.8 0.26854 6-7  186 POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.556 3 -10.664 -20.556 5 -10.673 -20.536 6 -10.674 -20.555 7 -10.664 -20.557  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.663 -20.552 3 -10.667 -20.562 4 -10.657 -20.562 7 -10.667 -20.564  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.667 -20.562 4 -10.657 -20.562  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.657 -20.562  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.657 -20.562	RANGE 14, 79395 14, 77347 15, 05494 15, 16995 14, 88020 14, 77347 25 MIN 44 S RANGE 12, 65118 12, 49017 12, 17807 12, 17807 10, 20576 10, 20576 10, 40009	AZS/C AZ -54.2 10. -56.1 11. -54.5 11. -52.4 10. -53.9 10. BEC 213 MS AZS/C AZ -54.2 10. -54.5 11. -54.5 11. -52.4 10. -53.9 10. SEC 53 MS AZS/C AZ -54.2 10. -53.9 10. -54.5 11. -55.9 10.	SEC TO IMPACT 5.427  N A/SUN AZA 6.9-35.8 1-80.7 35.8 1-80.5 35.6 -81.3 35.9 5-80.7 35.8  TAB NO  SEC TO IMPACT 4.587  N AZSUN AZA 8-80.9 35.8 5-80.7 35.8 1-80.5 35.7 5-81.3 35.9 TAB NO  SEC TO IMPACT 3.747  N AZSUN AZA 8-80.9 35.8 5-80.7 35.8 TAB NO  SEC TO IMPACT 3.747  N AZSUN AZA 8-80.9 35.8 5-80.7 35.8 5-80.7 35.8 5-80.7 35.8 5-80.7 35.8	ALT LAT LCN 12.75926 -10.545 -2C.775  A	R V PTH AZ 1746.215 2.607 -64.281 114.778  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 28.1 0.63867 3- 6 6 40.8 31.1 25.6 0.34606. 5- 6 6 40.8 30.4 25.8 0.31757 6- 7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1- 2 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.2 28.1 0.53992 3- 6 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.9 27.8 0.24468 4- 5 6 40.8 30.4 25.8 0.3648 4- 5 6 40.8 30.4 25.8 0.25169 2- 3 6 38.6 32.9 27.8 0.26468 4- 5 6 40.8 30.4 25.8 0.26854 6- 7  186 POD SEQUENCE NO 975  R V PTH AZ 1744.267 2.610 -64.244 114.767  D PHAZ EMIS ALPHA SCALE PT-PT 186 SOURCE NO 975  R V PTH AZ 1744.267 2.610 -64.244 114.767  D PHAZ EMIS ALPHA SCALE PT-PT 186 SOURCE NO 975
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.556 3 -10.664 -20.557 4 -10.662 -20.556 5 -10.673 -20.555 7 -10.664 -20.555 7 -10.664 -20.555 3 -10.663 -20.552 3 -10.663 -20.552 3 -10.663 -20.552 3 -10.663 -20.562 4 -10.67 -20.567 6 -10.667 -20.562  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.667 -20.562  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 14.796395 14.77347 15.05494 15.16995 14.88020 14.77347 25 MIN 44 S RANGE 12.49017 12.72807 12.82528 12.58038 12.49017	AZS/C AZ -54.2 10. -56.1 11. -52.4 10. -53.9 10. SEC 213 MS AZS/C AZ -54.2 10. -53.9 10. SEC 53 MS AZS/C AZ -54.2 10. -53.9 10. -53.9 10. -53.9 10. -53.9 10.	SEC TO IMPACT 5.427  N A/SUN AZA 6.4-80.9 35.8  1 -80.5 35.0  1 -81.2 35.7  5 -81.3 35.9  5 -80.7 35.8  N AZSUN AZA 8-80.7 35.8  1 -81.2 35.7  N AZSUN AZA 8-80.7 35.8  TAB NO  SEC TO IMPACT 35.7  N AZSUN AZA 35.9  TAB NO  SEC TO IMPACT 35.7  N AZSUN AZA 35.8  TAB NO  SEC TO IMPACT 35.7  N AZSUN AZA 35.8  TAB NO  SEC TO IMPACT 3.747  N AZSUN AZA 8.8-80.7 35.8  TAB NO  SEC TO IMPACT 3.747  N AZSUN AZA 8.8-80.7 35.8  TAB NO  SEC TO IMPACT 3.747	ALT LAT LCN  12.75926 -10.545 -2C.775  A* B/A AZPHAZ INC C.14381 C.851 -89.0 67. C.14195 C.863 -88.3 67. C.14576 G.84C -89.7 67. C.14297 C.897 -89.7 67. C.14297 C.897 -89.7 67. C.14297 C.857 -89.7 67. C.14297 C.863 -88.3 67.  185 ATLAS PHOTO NO  ALT LAT LCN 10.78586 -10.558 -20.746  A* B/A AZPHAZ INC C.12229 C.847 -88.2 67. C.12229 C.847 -88.2 67. C.12229 C.847 -88.2 67. C.12229 C.847 -88.2 67. C.12201 C.853 -88.3 67. C.12001 C.853 -88.3 67. C.12001 C.853 -89.7 67. C.12001 C.857 -89.7 67. C.12001 C.857 -89.7 67. C.12001 C.857 -89.7 67. C.12001 C.858 -88.3 67.  186 ATLAS PHOTO NO	R V PTH AZ 39.7 31.6 26.8 0.37301 2- 3 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 28.1 0.63867 3- 4 7 38.6 32.2 28.1 0.63867 3- 6 7 38.6 32.2 28.1 0.63867 3- 6 7 38.6 32.2 28.1 0.63867 3- 6 7 38.6 32.2 28.1 0.31757 6- 7  185 POD SEQUENCE NO 974  R V PTH AZ 1746.241 2.608 -64.263 114.773  D PHAZ EMIS ALPHA SCALE PT-PT 6 39.7 31.6 26.8 0. 1- 2 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.2 28.1 0.53992 3- 9 6 38.6 32.2 28.1 0.53992 3- 9 6 40.8 30.4 25.8 0.31537 2- 3 6 38.6 32.2 28.1 0.53992 3- 9 6 40.8 30.4 25.8 0.26854 6- 7  186 POD SEQUENCE NO 975  R V PTH AZ 1744.267 2.610 -64.244 114.767  10 PHAZ EMIS ALPHA SCALE PT-PT 6 40.8 30.4 25.8 0.26854 6- 7  186 POD SEQUENCE NO 975  R V PTH AZ 1744.267 2.610 -64.244 114.767 186 POD SEQUENCE NO 975  4 0.8 36.3 2.2 28.0 0.4114 3- 4 6 40.8 30.4 25.8 0.25769 2- 3 6 38.6 32.2 28.0 0.44114 3- 4 6 38.6 32.2 28.0 0.44114 3- 4 6 38.6 32.9 27.8 0.22364 4- 5

				IIV-AR	CAMERA	P1							32
					TAB NO	187	ATL	AS PHOTO	NO	187	POD S	EQUENCE NO	976
JULY 31,1964 13 HR	25 MIN 45	SEC 893	ZМ										
TRAJECTORY DATA				SEC TO	IMPACT	ALT 6.8377	LA1 2 -10.5			R 1742.293	y 2.611		AZ 4.761
PHOTO DATA	0.4100	41045	4.71	176111									
PT LAT LCN 2 ~10.651 -20.565	8.02225	AZS/C	10 B	-80 Q	35 P	A+ 0.07710				PHAZ EMIS 39.7 31.6			
3 -10.648 -20.572	7.92021	-53.9	10.5	-80.7	35.8					40.8 30.4		0.19996	
	8.07096									38.6 32.2		0.34233	
5 -10.653 -20.559	8.13258	-54.5	11.1	-81.1	35.7	0.07814	0.840	-89.7	67-6	38-6 32-9	27.8	0.18061	
6 -10.654 -20.570	7.97738	-52.4	10.6	-81.3	35.9	0.07665	C.857	-89.7	67.6	40.8 31.1	25.6		
7 -10.648 -20.572	7.92021	-53.9	10.5	-80.7	35.8	C.07610	0.863	-88.3	67.6	40.8 30.4	25.8	0.17027	6- 7
					TAB NO	188	ATI	AS PHOTO	NO	188	POD S	FOLIENCE NO	3 977
JULY 31,1964 13 HR												•	
TRAJECTORY DATA .				SEC. TO.	IMPACI	ALT	LA1		ON.	R	V	PIH	A7
				2.	067	4.86250	-10.5	98 -20.	-660	1740.318	2-612	-64-207 11	4-756
PHOTO DATA 2T LAT LON 2 -10.645 -20.572 3 -10.643 -20.576 4 -10.642 -20.568	DANCE			. 7 5		_							
2 -10 645 -20 572	E 70644	AZ5/C	ALN	AZ SUN	35 O	A*	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
3 -10-643 -20-576	5.63308	-53.9	10.5	-80.7	35.8	0.05464	0.022	-89.0	67.6	39.7 31.6	26.8	0.	1- 2
4 -10.642 -20.568	5.74029	-56.1	11.1	-80.5	15.6	0.05515	0.847	-88-2	67.6	38.6 32.2	28.0	0.14221	2- 5
5 -10.647 -20.567	5.78408	-54.5	11.1										
6 -10.647 -20.575	5.67374	-52.4	10.5	-81.3	35.9	C.05451	0.857	-89.7	67.6	40.8 31.1	25.6	0.24627	
7 -10.643 -20.576	5.63308	-53.9	10.5	-80.7	35.8	0.05413	0.863	-88.3	67.6	40.8 30.4	25.8	0.12104	
					TAR NO	189	ATI A	S PHOTO	NO	189	DOD S	FOLIENCE NO	079
JULY 31,1964 13 HR	25_MIN_47_	SEC 573.				103	710	13 111010	110	109	rob 3	EQUENCE NO	, 3/0
TRAJECTORY DATA				SEC TO	I PPACT	ALT	LAI	i Li	Ņ	ĸ	٧	PTH	AZ
PHOTO DATA				1.	227	2.8869	-10.6	:11 -2C	631	1738.342	2.613	-64.188 11	4.750
PT LAT LON	DANCE	A75./C	A 7 M	A 7 C 116:		Α•		4.701.4.7		PHAZ EMIS			
2 -10.639 -20.578	3.38787	-54-2	10.B	-80-9	35.B	0-03256	0.852	-89.0	67.6	30.7 21 4	ALPHA	SCALE	PT-PT
3 -10.638 -20.581	3.34481	-53.9	10.5	-80.7	35 . B	C.03214	0.863	-88-3	67.6	40.8 30.4	25.8	0.08442	
4 -10.637 -20.576	3.40844	-56.1	11.0	-80.5	45.6	0.03275	0.847	-88-2	67.6	38.6 32.1	28-0	0.14454	
5 -10.640 -20.576	3.43443	-54.5	11.1	-81.1	35.7	0.03300	0.84C	-89.7	67.6	38.6 32.8 40.8 31.1	27.8	0.07624	
6 -10.640 -20.581	3.36895	-52.4	10.5	-81.3	35.9	C.G3237	0.857	-89.7	67.6	40.8 31.1	25.6	0.14622	
7 -10.638 -20.581	3.34481	-53.9	10.5	-80.7	35.8	C.03214	0.863	-88.3	67.6	40.8 30.4	25.8	0.07190	6- 7
					TAB NO	190	ATI /	S PHOTO	NO	190	POD S	FOLIENCE NO	979
ULY 31,1964 13 HR	25 MIN 48	SEC 412	MS			100			.10	130	100 3	LOOLINGE INC	, ,,,
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	. LO	ON	R 1736.366	٧	PTH	AZ .
				0.	387	0.9105	-10.6	24 -20	.601	1736.366	2,614	-64.169 11	4.745
PT LAT LCN 2 -10.633 -20.585	KANGE	AZS/C		AZ SUN						PHAZ EMIS			PT-PT
		-53.9			35.7		0.852	-89.0	67.6	39.7 31.6 40.8 30.4	26.8	.0.	
	1.07514			-80.5						38.6 32.1		0.02663	2- 3 3- 4
5 -10.633 -20.584		-54.5		-81.1		0.01041	0.841	-89.7	67.6	38.6 32.8	27.8		4-5
6 -10.633 -20.586_	1.06269	-52.4	10.5	-81.3	35.9	0.01021	0.857	-89.7	67.6	40.8 31.1	25.6	0.04612	5- 6
7 -10.632 -20.586	1.05508	-53.9	10.5	-80.7	35.8	C.01C14	0.863	-88.3	67.6	40.8 30.4	25.8	0.02267	

## TIME- AND CAMERA-DEPENDENT PARAMETERS

RA-VII	CAMERA	Ρ.
	CHILL	• •

JULY 31,1964 13 HR 12 MIN 20 SEC 781 M	TAB NO	1 ATLAS PHOTO NO	1 POD SEQUENCE NO 17
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA	808.019	1700.92328 -4.105 -34.166	3436.379 2.010 -73.544 116.823
PT LAT LON RANGE AZS/C	AZN AZSUN AZA	A. B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
1 -11.81/ -18.105 1858.89355 -56.4	8.9 -83.0 33.2 9.1 -83.0 32.6	13.02411 0.832 -90.9 70.0 13.02434 0.832 -90.6 69.5	38.7 34.1 30.5 0. 0-1 39.3 33.7 29.2 27.90291 1-2
3 -11.719 -19.858 1832.92680 -58.1	8.3 -82.6 32.2	12.86854 0.855 -89.7 68.3	40.1 31.3 27.3 41.12521 2- 3
4 -11.690 -17.856 1861.79901 -60.9 5 -13.415 -17.523 1860.16370 -56.6 1	9.0 -83.1 30.4	13.07084 0.825 -89.7 70.3	38.5 34.4 31.0 59.37405 3- 4
6 -13.417 -19.569 1850.36217 -53.6	0.1 <del>-</del> 83.5 33.1 9.3 -82.9 34.9	12.99025 0.837 -91.6 68.8	40.1 33.2 27.3 60.26708 5- 6
7 -11.719 -19.858 1832.92680 -58.1	8.3 -82.6 32.2	12.86854 0.855 -89.7 68.3	40:1 31.3 27.3 52.13593 6- 7
JULY 31,1964 13 HR 12 MIN 42 SEC 619 M	TAB NO		2 POD SEQUENCE NO 43
TRAJECTORY DATA	SEC TU IMPAC	ALT LAT LON	R V PTH AZ
PHOTO DATA	786.180	1658.73978 -4.200 -33.978	3394.195 2.019 -73.402 116.799
PT LAT LON RANGE AZS/C	AZN AZSUN AZA	A# B/A AZPHAZ INCD	
1 -11.778 -18.185 1813.41307 -56.4 2 -12.506 -18.721 1810.86362 -57.4	8.8 -83.0 33.2 9.2 -83.0 32.6	12.71585 C.832 -90.9 69.9 .12.71592 C.832 -90.6 69.5	38.7 34.0 30.4 0. 0-1 39.3 33.7 29.1 27.16970 1-2
3 -11.735 -19.825 1789.50305 -58.0	8.3 -82.6 32.2	12.56367 0.854 -89.7 68.3	40.1 31.3 27.4 40.16086 2- 3
	9.1 -83.1 30.5 0.1 -83.5 33.1	12.76119 0.825 -89.7 70.2 12.88726 0.807 -91.6 70.7	38.5 34.4 31.0 57.96789 3- 4 38.5 36.2 31.0 51.93038 4- 5
6 -13.393 -19.542 1806.54034 -53.6	9.3 -82.9 34.9	12.68260 0.837 -91.6 68.8	40.1 33.2 27.3 58.83614 5- 6
7 -11.735 -19.825 1789.50305 -58.0	8.3 -82.6 32.2	12.56367 0.854 -89.7 68.3	40.1 31.3 27.4 50.90584 6- 7
JULY 31,1964 13 HK 13 MIN 2 SEC 778 M	TAB NO	3 ATLAS PHOTO NO	3 POD SEQUENCE NO 67
TRAJECTORY DATA	SEC TO IMPAC	T ALT LAT LCN	R V PTH AZ
PHOTO DATA	766.021	1619.66345 -4.290 -33.800	3355.119 2.028 -73.268 116.776
PT LAT LON RANGE AZS/C	AZN AZSUN AZA		PHAZ EMIS ALPHA SCALE PT-PT
1 -11.741 -18.259 1771.25766 -56.4	8.8 -83.0 33.2	12.43064 0.832 -90.9 69.9 12.43054 0.832 -90.6 69.5	38.8 33.8 30.2 0. 0-1 39.3 33.7 29.2 26.66438 1-2
3 -11.750 -19.789 1749.31870 -58.0	9.2 -83.0 32.6 8.3 -82.6 32.3		40.1 31.4 27.4 39.27222 2- 3
4 -11.722 -17.879 1776.88742 -60.8	9.1 -83.1 30.6	12.47471 0.825 -89.7 70.2	38.5 34.4 30.9 56.67222 3- 4
	0.183.5. 33.1 9.3 -82.9 34.8	.12.59803 C.807 -91.6 _70.7 12.39794 O.836 -91.6 68.8	38.5 36.2 30.9 50.76875 4-5 40.1 33.2 27.3 57.51818 5-6
	8.3 -62.6 32.3	12.37174 0.636 -71.0 00.0	
		12.28154 0.854 -89.8 68.4	40.1 31.4 27.4 49.76912 6- 7
JULY 31.1964 13 HR 13 MIN 21 SEC 257 M	TAR NO		40.1 31.4 27.4 49.76912 6- 7 4 POD SEQUENCE NO 89
JULY 31,1964 13 HK 13 MIN 21 SEC 257 M	S TAB NO	4 ATLAS PHOTO NO	4 POD SEQUENCE NO 89
TRAJECTORY DATA	S TAB NO	4 ATLAS PHOTO NO	4 POD SEQUENCE NO 89
TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C	S TAB NO SEC TO IMPAC 747.542 AZN AZSUN AZA	ATLAS PHOTO NO  ALT LAT LON 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCO	A POD SEQUENCE NO 89  K V PTH AZ 3319-181 2-035 -73-143 116-755  PHAZ EMIS ALPHA SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3	S TAB NO SEC TO IMPAC 747.542 AZN AZSUN AZA 8.8 -83.0 33.2	ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633 A* B/A ZPHAZ INCC 12.16746 0.832 -91.0 69.8	4 POD SEQUENCE NO 89  ***X PTH A2  3319-181 2-035 -73-143 116-755  PHAZ EMIS ALPHA SCALE PT-PT 38-9 33-7 30-1 0- 0- 1
TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.700 1/32,72620 -57.4	S TAB NO SEC TO IMPAC 747.542 AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.6	ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.6 69.5	A POD SEQUENCE NO 89  R V PTH AZ 3319-181 2-035 -73.143 116.755  PHAZ EMIS ALPHA SCALE PT-PT 38-9 33-7 30-1 0-0-1 39-3 33-7 29-2 26-47699 1-2
TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1/32.72620 -57.4 3 -11.762 -19.762 1712.24844 -58.0 4 -11.735 -17.892 1739.23309 -60.7	SEC TO IMPAC 747.542 AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.3 8.4 -82.6 32.3 9.1 -83.1 30.6	ATLAS PHOTO NO  ALT LAT LON 1563.72556 -4.373 -33.633  A+ B/A AZPHAZ INC[ 12.16746 0.832 -91.6 99.6 12.16723 0.832 -91.6 69.1 12.2128 0.854 -89.8 68.4 12.21036 0.855 -89.8 70.2	A POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1/32.72620 -57.4 3 -11.762 -19.762 1712.24844 -58.0 4 -11.735 -17.892 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6	TAB NOS SEC TO IMPAC 747.542  AZN AZSUN AZSUN AZAR 8.883.0 33.2 9.2 -83.0 32.6 8.4 - ×2.6 22.3 9.1 -83.1 30.6 0.1 -83.5 33.1	4 ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A** B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.26723 0.832 -90.6 69.1 12.21036 0.825 -89.8 68.4 12.21036 0.825 -89.8 70.1 12.3312 C.807 -91.7 70.	A POD SEQUENCE NO 89  K V PTH A2  3319-181 2-035 -73-143 116-755  PHAZ EMIS ALPHA SCALE PT-PT 38.9 33.7 30.1 0. 0-1 39.3 33.7 29.2 26.47699 1-2 40.1 31.4 27.4 38.44633 2-3 38.5 34.4 30.9 55.47123 3-4 38.5 34.2 30.9 49.69534 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1732.72620 -57.4 3 -11.76? -19.762 1712.78484 -58.0 4 -11.735 -17.982 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6 16 -13.349 -19.491 1/28.58202 -53.6	TAB NO SEC TO IMPAC 747.542 AZN AZSUN AZA 8.8 - 43.0 33.2 9.2 - 83.0 32.6 8.4 - 42.6 22.3 9.1 - 83.1 30.6 0.1 - 83.5 33.1 9.3 - 83.0 34.8	ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.216723 0.832 -90.6 69.6 12.20128 0.854 -89.8 68.6 12.21036 0.825 -89.8 70.2 12.33112 0.807 -91.7 70.2 12.33513 0.836 -91.6 68.6	A POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1/32.72620 -57.4 3 -11.762 -19.762 1712.24844 -58.0 4 -11.735 -17.882 1/39.23309 -60.7 5 -13.347 -17.581 1/56.41434 -56.6 1 6 -13.349 -19.491 1/28.58202 -53.6 7 -11.762 -19.762 1/12.24844 -58.0	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.6 8.4 -82.6 22.3 9.1 -83.1 30.6 0.1 -83.5 33.1 9.3 -83.0 34.8 8.4 -82.6 32.3	4 ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A** B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.1 12.16723 0.832 -90.6 69.1 12.21036 0.825 -89.8 68.4 12.21036 0.825 -89.8 70.1 12.33531 C.8807 -91.7 70.1 12.3531 G.836 -91.6 68.6 12.02128 0.854 -89.8 68.4	A POD SEQUENCE NO 89    N   PTH   A2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1/32.72620 -57.4 3 -11.762 -19.762 1712.24844 -58.0 4 -11.735 -17.892 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6 6 -13.349 -19.491 1/28.58202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.6 8.4 -82.6 22.3 9.1 -83.1 30.6 0.1 -83.5 33.1 9.3 -83.0 34.8 8.4 -82.6 32.3	ATLAS PHOTO NO  ALT LAT LON 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.16723 0.832 -90.6 69.1 12.21036 0.855 -89.8 70.2 12.333112 C.857 -91.6 68.1 12.2128 0.854 -89.8 68.4	4 POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1/32.72620 -57.4 3 -11.762 -19.762 1712.24844 -58.0 4 -11.735 -17.892 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6 6 -13.349 -19.491 1/28.59202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M TRAJECTORY DATA	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.6 8.4 -82.6 22.3 9.1 -83.1 30.6 0.1 -83.5 33.1 9.3 -83.0 34.8 8.4 -82.6 32.3	ATLAS PHOTO NO  ALT LAT LON 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.16723 0.832 -90.6 69.1 12.21036 0.855 -89.8 70.2 12.333112 C.857 -91.6 68.1 12.2128 0.854 -89.8 68.4	A POD SEQUENCE NO 89    N   PTH   A2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.700 1732.72620 -57.4 3 -11.762 -19.762 1712.24844 -58.0 4 -11.735 -17.892 1739.23309 -60.7 5 -13.347 -17.581 1755.41434 -56.6 1 6 -13.349 -19.491 1/28.58202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M TRAJECTORY DATA	TAB NO SEC TO IMPAC 747.542  AZN AZSUN AZAN 88.8 -83.0 33.2 9.2 -83.0 32.6 8.4 -82.6 32.3 9.1 -83.1 30.6 0.1 -83.5 33.1 9.3 -83.0 34.8 8.4 -82.6 32.3 S  TAB NO SEC TO IMPAC 725.704	4 ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A. B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.16723 0.832 -90.6 69.1 12.21036 0.825 -89.8 68.4 12.21036 0.825 -89.8 70.1 12.33531 C.8807 -91.7 70.1 12.3531 C.8807 -91.6 68.6 12.02128 0.854 -89.8 68.4  5 ATLAS PHOTO NO  ALT LAT LCN 1541.10461 -4.475 -33.431	4 POD SEQUENCE NO 89  *** Y PTH AZ  3319-181 2-035 -73-143 116-755  PHAZ EMIS ALPHA SCALE PT-PT 38-9 33-7 30-1 0. 0-1 39-3 33-7 29-2 26-47699 1-2 40-1 31-4 27-4 38-44633 2-3 38-5 36-2 30-9 55-47123 3-4 38-5 36-2 30-9 49-69538 4-5 40-1 31-4 27-4 48-71921 6-7  5 POD SEQUENCE NO 115  *** V PTH AZ 3276-560 2-045 -72-993 116-729
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1732.72620 -57.4 3 -11.76? -19.762 1712.24844 -58.0 4 -11.735 -17.892 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6 16 -13.349 -19.491 1/28.59202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C	TAB NO.  SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 - 43.0 33.2 9.2 - 83.0 32.6 8.4 - 42.0 32.3 9.1 - 83.1 30.6 0.1 - 83.5 33.1 9.3 - 83.0 34.8 8.4 - 82.6 32.3  S TAB NO.  SEC TO IMPAC 725.704  AZN AZSUN AZA	ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.16723 0.832 -90.6 69.6 12.21036 0.825 -89.8 68.4 12.21036 0.825 -89.8 70.2 12.333112 0.807 -91.7 70.2 12.33513 0.832 -91.6 68.4 12.02128 0.854 -89.8 68.4  5 ATLAS PHOTO NO  ALT LAT LCN 1541.10461 -4.475 -33.431	4 POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1732.72620 -57.4 3 -11.76? -19.762 1712.24844 -58.0 4 -11.735 -17.892 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6 16 -13.349 -19.491 1/28.59202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.669 -18.408 1686.43626 -56.3 2 -12.494 -18.702 1688.19925 -57.3	TAB NO.  SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 - 43.0 33.2 9.2 - 43.0 32.6 8.4 - 42.6 22.3 9.1 - 83.1 30.6 0.1 - 83.5 33.1 9.3 - 83.0 34.8 8.4 - 42.6 22.3 S TAB NO.  SEC TC IMPAC 725.704  AZN AZSUN AZA 8.8 - 43.0 32.3	ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.8 12.216723 0.832 -90.6 69.8 12.21036 0.825 -89.8 68.4 12.21036 0.825 -89.8 70.2 12.33312 0.807 -91.7 70.1 12.13531 0.836 -91.6 68.8 12.02128 0.854 -89.8 68.4  5 ATLAS PHOTO NO  T ALT LAT LCN 1541.10461 -4.475 -33.431  A* B/A AZPHAZ INCC 11.85488 C.832 -91.0 69.1 11.85488 C.832 -91.0 69.1	## POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANCE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1/32.72620 -57.4 3 -11.762 -19.762 1712.24844 -58.0 4 -11.735 -17.892 1/39.23309 -60.7 5 -13.347 -17.581 1/56.41434 -56.6 1 6 -13.349 -19.491 1/28.55202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA PHOTO DATA PT LAT LON RANCE AZS/C 1 -11.669 -18.408 1686.43626 -56.3 2 -12.494 -18.702 1688.19925 -57.3 3 -11.775 -19.732 1688.22176 -57.9	TAB NO SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 - 83.0 33.2 68.4 - 82.6 32.3 9.1 - 83.1 30.6 0.1 - 83.5 33.1 9.3 - 83.0 34.8 8.4 - 82.6 32.3 S  TAB NO SEC TC IMPAC 725.704  AZN AZSUN AZA 8.8 - 83.0 33.3 9.2 - 83.0 32.7 8	ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.1 12.16723 0.832 -90.6 69.1 12.1036 0.855 -89.8 70.1 12.133112 C.807 -91.7 70.1 12.13531 G.836 -91.6 68.1 12.02128 0.854 -89.8 68.4  5 ATLAS PHOTO NO  T ALT LAT LCN 1541.1C461 -4.475 -33.431  A* B/A AZPHAZ INCC 11.85449 C.832 -91.6 69.1 11.71216 C.853 -89.8 68.4	4 POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1732.72620 -57.4 3 -11.767 -19.762 1712.24844 -58.0 4 -11.735 -17.882 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6 16 -13.349 -19.491 1/28.54202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31.1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO PHOTO  PHOTO PH	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.6 8.4 -42.6 22.3 9.1 -83.1 30.6 0.1 -83.5 33.1 9.3 -83.0 32.7 8.4 -82.6 32.3  S TAB NC SEC TO IMPAC 725.704  AZN AZSUN AZA 8.8 -83.0 32.7 8.4 -83.0 32.7 8.4 -83.0 32.7 8.4 -83.0 32.7	ATLAS PHOTO NO  ALT LAT LCN  1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC  12.16746 0.832 -91.0 69.6  12.16723 0.832 -90.6 69.6  12.21036 0.825 -89.8 70.  12.33112 C.807 -91.7 70.  12.13531 0.836 -91.6 68.6  5 ATLAS PHOTO NO  I ALT LAT LCN  1541.1C461 -4.475 -33.431  A* B/A AZPHAZ INCC  11.85468 C.832 -91.0 69.  11.85469 C.832 -90.6 69.  11.85469 C.832 -90.6 69.  11.185469 C.832 -90.6 69.  11.185469 C.832 -90.6 69.  11.185469 C.832 -90.6 69.	4 POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.708 -18.327 1732.46707 -56.3  2 -12.500 -18.700 1732.72620 -57.4  3 -11.762 -19.762 1712.24844 -58.0  4 -11.735 -17.892 1739.23309 -60.7  5 -13.347 -17.561 1755.41434 -56.6 1  6 -13.349 -19.491 1/28.58202 -53.6  7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.669 -18.408 1686.43626 -56.3  2 -12.494 -18.702 1684.18925 -57.3  3 -11.775 -19.732 1668.22176 -57.9  4 -11.748 -17.910 1694.52176 -57.9  5 -13.319 -17.606 1711.27137 -56.6 1  6 -13.321 -17.606 1711.27137 -56.6 1  6 -13.321 -17.467 1684.18928 -53.7	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.6 8.4 - +2.6 22.3 9.1 -83.1 30.6 0.1 -83.5 33.1 9.3 -83.0 34.8 8.4 - 52.6 22.3 S TAB NC SFC TC IMPAC 725.704  AZN AZSUN AZA 8.8 -83.0 32.7 8.4 -52.6 22.3 9.1 -83.0 32.7 0.1 -83.0 32.7	ATLAS PHOTO NO  ALT LAT LCN  1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC  12.16746 0.832 -91.0 69.6  12.216723 0.832 -90.6 69.6  12.210726 0.854 -89.8 68.4  12.21036 0.825 -89.8 70.1  12.33112 C.807 -91.7 70.6  12.31531 0.836 -91.6 68.6  5 ATLAS PHOTO NO  I ALT LAT LCN  1541.1C461 -4.475 -33.431  A* B/A AZPHAZ INCC  11.85468 C.832 -91.6 69.1  11.85469 C.832 -90.6 69.1  11.81268 C.853 -89.8 70.1  12.01409 C.802 -91.7 70.1  11.8237 C.836 -91.6 68.1	## POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1/32.72620 -57.4 3 -11.762 -19.762 1712.24844 -58.0 4 -11.735 -17.892 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6 6 -13.349 -19.491 1/28.58202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.669 -18.408 1/86.43626 -56.3 2 -12.494 -18.702 1684.19925 -57.3 3 -11.775 -19.732 1686.22176 -57.9 4 -11.748 -17.910 1694.51154 -60.7 5 -13.319 -17.906 1/11.27537 -56.6	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 - 43.0 33.2 9.2 - 83.0 32.6 8.4 - 42.6 22.3 9.1 - 83.1 30.6 0.1 - 83.5 33.1 8.4 - 82.6 32.3  S TAB NO SEC TO IMPAC 725.704  AZN AZSUN AZA 8.8 - 83.0 32.3 9.1 - 83.0 32.7 8.9 - 83.0 32.7 8.9 - 83.0 32.7 8.9 - 83.0 32.7 8.9 - 83.0 32.7 8.1 - 83.0 30.7 9.1 - 83.0 30.7 9.1 - 83.0 30.7 9.1 - 83.0 30.7 9.1 - 83.0 30.7 9.1 - 83.0 30.7 9.1 - 83.0 30.7	ATLAS PHOTO NO  ALT LAT LCN  1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC  12.16746 0.832 -91.0 69.6  12.216723 0.832 -90.6 69.6  12.210726 0.854 -89.8 68.4  12.21036 0.825 -89.8 70.1  12.33112 C.807 -91.7 70.6  12.31531 0.836 -91.6 68.6  5 ATLAS PHOTO NO  I ALT LAT LCN  1541.1C461 -4.475 -33.431  A* B/A AZPHAZ INCC  11.85468 C.832 -91.6 69.1  11.85469 C.832 -90.6 69.1  11.81268 C.853 -89.8 70.1  12.01409 C.802 -91.7 70.1  11.8237 C.836 -91.6 68.1	4 POD SEQUENCE NO 89    R
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TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C  1 -11.708 -18.327 1732.46707 -56.3  2 -12.500 -18.706 1/32.72620 -57.4  3 -11.762 -19.762 1712.24844 -58.0  4 -11.735 -17.882 1739.23309 -60.7  5 -13.347 -17.581 1756.41434 -56.6  6 -13.349 -19.491 1/28.59202 -53.6  7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.669 -18.408 1686.43626 -56.3  2 -12.494 -18.702 1.684.18925 -57.3  3 -11.775 -19.732 1668.22176 -57.9  4 -11.748 -17.910 1694.51154 -60.7  5 -13.311 -17.606 1/11.2737 -56.6  6 -13.321 -19.467 1684.14928 -53.7  7 -11.775 -19.732 1668.22176 -57.9	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 - 83.0 33.2 9.2 - 83.0 32.6 8.4 - 42.0 22.3 9.1 - 83.1 30.6 0.1 - 83.5 33.1 9.3 - 83.0 34.8 8.4 - 82.6 32.3  S TAB NO SEC TO IMPAC 725.704  AZN AZSUN AZA 8.8 - 83.0 32.7 8.4 - 62.6 22.3 0.1 - 83.5 33.1 9.3 - 83.0 32.7 8.4 - 62.6 22.3 8.4 - 62.6 32.3  TAB NO	ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.216723 0.832 -90.0 69.6 12.22128 0.854 -89.8 70.2 12.33112 0.807 -91.7 70.2 12.13531 0.807 -91.6 68.6 12.02128 0.854 -89.8 68.4  ATLAS PHOTO NO  ALT LAT LCN 1541.1C461 -4.475 -33.431  A* B/A AZPHAZ INCC 11.85488 C.832 -91.0 69.2 11.81449 C.832 -90.0 69.2 11.81649 C.832 -90.0 69.2 11.81237 C.853 -89.8 70.2 12.01469 C.868 -91.7 70.2 11.82337 C.853 -89.8 68.4	## POD SEQUENCE NO 89    R
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TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 1 -11.708 -18.327 1732.46707 -56.3 2 -12.500 -18.706 1732.72620 -57.4 3 -11.76? -19.762 1712.728944 -58.0 4 -11.735 -17.882 1739.23309 -60.7 5 -13.347 -17.581 1756.41434 -56.6 16 -13.349 -19.491 1/28.54202 -53.6 7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.669 -18.408 1686.43624 -56.3 2 -12.494 -18.702 1688.18925 -57.3 3 -11.775 -19.732 1668.22176 -57.9 4 -11.748 -17.910 1694.51154 -60.7 5 -13.319 -17.606 1/11.25737 -56.6 6 -13.321 -19.471 1084.14928 -53.7 7 -11.775 -19.732 1668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PT LAT LCN RANGE AZS/C	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.6 8.4 - +2.6 22.3 9.1 -83.1 30.6 0.1 -83.5 33.1 9.3 -83.0 34.8 8.4 - 52.6 22.3 S TAB NC SFC TC IMPAC 725.704  AZN AZSUN AZA 8.8 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.3	A ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.16723 0.832 -91.0 69.6 12.210728 0.854 -89.8 68.4 12.21036 0.825 -89.8 70.1 12.33511 0.836 -91.0 68.6 12.02128 0.854 -89.8 68.4  5 ATLAS PHOTO NO  I ALT LAT LCN 1541.10461 -4.475 -33.431  A* B/A AZPHAZ INCC 11.85468 0.832 -91.0 69.1 11.82549 0.832 -91.0 69.1 11.82549 0.832 -91.0 69.1 11.82549 0.832 -91.0 69.1 11.82337 0.836 -91.6 68.6 0 ATLAS PHOTO NO	## POD SEQUENCE NO 89    R
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.708 -18.327 1732.46707 -56.3  2 -12.500 -18.706 1/32.72620 -57.4  3 -11.762 -19.762 1712.24844 -58.0  4 -11.735 -17.892 1739.23309 -60.7  5 -13.347 -17.581 1756.41434 -56.6  6 -13.349 -19.491 1/28.59202 -53.6  7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.669 -18.408 1686.43626 -56.3  2 -12.494 -18.702 1684.18925 -57.3  3 -11.775 -19.732 1668.22176 -57.9  4 -11.748 -17.910 1694.51154 -60.7  5 -13.321 -19.467 1684.14928 -53.7  7 -11.775 -19.732 1668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.78 -19.732 1668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.618 -15.470 1650.88780 -56.4  2 -12.487 -18.661 1/54.32/21 -57.4  3 -11.785 -19.471 1634.70613 -58.0	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 -83.0 33.2 9.2 -83.0 32.6 8.4 - +2.6 22.3 9.1 -83.1 30.6 0.1 -83.5 33.1 9.3 -83.0 34.8 8.4 - 52.6 22.3 S TAB NC SFC TC IMPAC 725.704  AZN AZSUN AZA 8.8 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.7 0.1 -83.0 32.3	ATLAS PHOTO NO  ALT LAT LCN  1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC  12.16746 0.832 -91.0 69.8  12.216723 0.832 -90.0 69.8  12.21036 0.825 -89.8 68.4  12.21036 0.825 -89.8 70.2  12.33112 0.807 -91.7 70.1  12.13531 0.838 -91.0 68.8  5 ATLAS PHOTO NO  T ALT LAT LCN  1541.10461 -4.475 -33.431  A* B/A AZPHAZ INCC  11.85488 C.832 -91.0 69.8  11.89639 0.825 -89.8 70.2  11.8120 0.808 -91.0 69.1  11.82337 C.836 -91.0 69.1  11.171218 0.853 -89.8 68.4  A* B/A AZPHAZ INCC  11.82337 C.836 -91.6 69.1  11.71218 0.853 -89.8 68.7  A* B/A AZPHAZ INCC  11.61671 C.831 -90.0 69.1  11.61671 C.831 -90.0 69.1  11.61671 C.831 -90.0 69.1  11.61671 C.831 -90.7 69.1  11.61671 C.831 -90.7 69.1  11.61671 C.831 -90.7 69.1  11.61671 C.831 -90.7 69.1	## POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANCE 1-11.708 -18.327 1732.46707 -56.3 2-12.500 -18.706 1/32.72620 -57.4 3-11.762 -19.762 1712.24844 -58.0 4-11.735 -17.892 1/39.23309 -60.7 5-13.347 -17.581 1756.41434 -56.6 1 6-13.349 -19.491 1/28.58202 -53.6 7-11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/S/C 1-11.669 -18.408 1686.43626 -56.3 2-12.494 -18.702 1688.19925 -57.3 3-11.775 -19.732 1668.22176 -57.9 4-11.748 -17.910 1694.51154 -60.7 5-13.321 -19.467 1684.14928 -53.7 7-11.775 -19.732 1668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/S/C 1-11.684 -17.910 1694.51154 -60.7 5-13.319 -17.066 1/11.27137 -56.6 1 6-13.321 -19.467 1684.14928 -53.7 7-11.775 -19.732 1668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY JATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE A/S/C 1-11.684 -10.470 1650.88780 -36.4 2-12.487 -18.661 1/54.32/21 -57.4 3-11.785 -19.671 1634.70613 -58.0 4-11.775 -19.784 1600.54508 -50.7	SEC TO IMPACTOR AZN	### ATLAS PHOTO NO    ALT	## POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.708 -18.327 1732.46707 -56.3  2 -12.500 -18.706 1/32.72620 -57.4  3 -11.76? -19.762 1712.24844 -58.0  4 -11.735 -17.882 1739.23309 -60.7  5 -13.347 -17.581 1756.41434 -56.6  16 -13.349 -19.491 1/28.59202 -53.6  7 -11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.669 -18.408 1686.43626 -56.3  2 -12.494 -18.702 1.681.19925 -57.3  3 -11.775 -19.732 1.668.22176 -57.9  4 -11.748 -17.910 1694.51154 -60.7  5 -13.321 -17.606 1/11.25737 -56.6  1 -11.775 -19.732 1.668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY JATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.638 -19.467 1684.14928 -53.7  7 -11.775 -19.732 1.668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY JATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.638 -19.467 1650.88780 -56.4  2 -12.487 -18.661 1594.32/21 -57.4  3 -11.778 -19.671 1634.70613 -58.0  4 -11.778 -19.671 1634.70613 -58.0  4 -11.779 -17.884 1600.59588 -60.7  5 -13.296 -17.586 1676.79/21 -56.6	SEC TO IMPAC 747.542  AZN AZSUN AZA 8.8 - 43.0 33.2 9.2 - 43.0 32.6 8.4 - 42.6 22.3 9.1 - 83.1 30.6 0.1 - 83.5 33.1 9.3 - 83.0 34.6 8.4 - 82.6 32.3  S TAB NO SEC TO IMPAC 725.704  AZN AZSUN AZA 8.8 - 43.0 32.7 8.4 - 52.6 22.3 9.1 - 43.0 30.7 0.1 - 63.5 33.1 S  TAB NO SEC TO IMPAC 725.704  AZN AZSUN AZA 8.8 - 43.0 32.3 S  TAB NO SEC TO IMPAC 725.704  AZN AZSUN AZA 8.8 - 43.0 32.3 S  TAB NO SEC TO IMPAC 708.905  AZN AZSUN AZA 8.8 - 83.0 33.2 9.1 - 43.0 30.3 S  TAB NO SEC TO IMPAC 708.905  AZN AZSUN AZA 8.8 - 83.0 33.2 9.1 - 43.0 30.3 9.1 - 43.0 30.3 9.1 - 43.0 30.3 9.1 - 43.0 30.3 9.1 - 43.0 30.3 9.1 - 43.0 30.3	ATLAS PHOTO NO  ALT LAT LCN 1563.72556 -4.373 -33.633  A* B/A AZPHAZ INCC 12.16746 0.832 -91.0 69.6 12.16723 0.832 -90.0 69.6 12.210728 0.854 -89.8 68.4 12.21036 0.825 -89.8 70.1 12.13512 0.807 -91.7 70.1 12.13513 0.836 -91.0 68.6 12.02128 0.854 -89.8 68.4  5 ATLAS PHOTO NO  I ALT LAT LCN 1541.10461 -4.475 -33.431  A* B/A AZPHAZ INCC 11.85489 0.832 -90.0 69.1 11.85499 0.832 -90.0 69.1 11.85499 0.835 -89.8 70.1 12.01409 0.806 -91.7 70.1 11.82337 0.836 -91.0 69.1 11.71218 0.853 -89.8 68.4	## POD SEQUENCE NO 89    R
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANCE 1-11.708 -18.327 1732.46707 -56.3 2-12.500 -18.706 1/32.72620 -57.4 3-11.762 -19.762 1712.24844 -58.0 4-11.735 -17.892 1/39.23309 -60.7 5-13.347 -17.581 1756.41434 -56.6 1 6-13.349 -19.491 1/28.58202 -53.6 7-11.762 -19.762 1712.24844 -58.0  JULY 31,1964 13 HR 13 MIN 43 SEC 96 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/S/C 1-11.669 -18.408 1686.43626 -56.3 2-12.494 -18.702 1688.19925 -57.3 3-11.775 -19.732 1668.22176 -57.9 4-11.748 -17.910 1694.51154 -60.7 5-13.321 -19.467 1684.14928 -53.7 7-11.775 -19.732 1668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/S/C 1-11.684 -17.910 1694.51154 -60.7 5-13.319 -17.066 1/11.27137 -56.6 1 6-13.321 -19.467 1684.14928 -53.7 7-11.775 -19.732 1668.22176 -57.9  JULY 31,1964 13 HR 13 MIN 59 SEC 895 M  TRAJECTORY JATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE A/S/C 1-11.684 -10.470 1650.88780 -36.4 2-12.487 -18.661 1/54.32/21 -57.4 3-11.785 -19.671 1634.70613 -58.0 4-11.775 -19.784 1600.54508 -50.7	SEC TO IMPACTOR AZN	### ATLAS PHOTO NO    ALT	## POD SEQUENCE NO 89    R

		RA-VII CAMERA	A_P2	_		
JULY 31,1964 13 HR 14 MIN 16	SEC 694 MS	TAB NO		ATLAS PHOTO NO		POD SEQUENCE NO 155
TRAJECTORY DATA		692.106	1475.21210	-4.636 -33.110	3210.667	2.060 -72.754 116.688
PHOTO DATA PT LAT LON RANGE	AZS/C AZN	AZ SUN AZ A	A+			LPHA SCALE PT-PT
1 -11.608 -18.532 1615.21503	56.5 8.7	83.1 33.1				
3 -11.789 -19.608 1601.09933	-57.4 9.2 -58.0 8.4	-83.0 32.6 -82.7 32.2	11.37830	0.831 -90.7 69.6	39.2 33.8	29.3 26.51017 1- 2
4 -11.763 -17.856 1626.49281	-60.7 9.2	-83.0 30.7	11.41886	0.824 -89.8 70.3	38.4 34.5	31.0 51.95031 3- 4
1 -11.608 -18.532 1615,22503. 2 -12.479 -18.617 1620,37500 3 -11.789 -19.608 1601,09933. 4 -11.763 -17.856 1626,49281 5 -13.271 -17.563 1642,59871. 6 -13.273 -19.351 1616,42262 7 -11.789 -19.608 1601,09933	<u>-56.7 10.1</u>	-83.5 33.0 -83.0 34.6	11.53205	0.807 -91.7 70.7	38-5 36-2	31.0 46.48684 4-5
7 -11.789 -19.608 1601.09933	-58.0 8.4	-82.7 32.2	11.24093	0.852 -89.8 68.6	40.0 31.6	27.6 45.57377 6- 7
JULY 31,1964 13 HR 14 MIN 33	SEC 493 MS	TAB NO	8	ATLAS PHOTO NO	8	POD SEQUENCE NO 175
TRAJECTORY DATA		SEC TO IMPACT			R	V PTH AZ
PHOTO DATA			1442.11560	-4.719 -32.944	3177.571	2.067 -72.631 116.666
PT LAT LON RANGE 1 -11.578 -18.595 1579.41576	AZS/C AZN	AZSUN AZA	A+	B/A AZPHAZ INCO	PHAZ EMIS A	LPHA SCALE PT-PT
2 -12.470 -18.589 1586.05054_	-56.5 8.7 -57.5 9.2	-83.1 33.1 -83.0 32.5	11.13786	0.830 -91.0 69.5	39.1 33.1	29.7 0. 0-1
3 -11.795 -19.560 1567.14349	-58.1 8.5	-82.7 32.2	11.00254	0.851 -89.8 68.6	40.0 31.7	27.7 35.27911 2- 3
4 -11.770 -17.844 1592.05232 5 -13.246 -17.557 1607.82440	-60.7 9.2	-83.0 30.7 -83.5 33.0	11.17707	0.824 -89.8 70.3	38.4 34.6	31.0 50.87546 3- 4
5 -13.246 -17.557 1607.82440 6 -13.247 -19.308 1582.15509 7 11.795 -19.560 1567.14349	-53.9 9.3	-83.0 34.5	11.10733	0.807 -91.7 70.7 0.835 -91.6 69.0	40.0 33.5	31.0 45.50572 4- 5 27.6 51.62599 5- 6
7 11.795 -19.560 1567.14349	-58.1 8.5	-82.7 32.2	11.00254	0.851 -89.8 68.6	40.0 31.7	27.7 44.61181 6- 7
JULY 31,1964 13 HR 14 MIN 50	SEC 292 MS	TAB NO	9	ATLAS PHOTO NO	9	POD SEQUENCE NO 195
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LCN		V PTH AZ 2.075 -72.505 116.645
PHOTO DATA			1400191090	-4.004 -32.113	3144.312	
PT LAT LON RANGE	AZS/C AZN	AZSUN AZA	A.	B/A AZPHAZ INCD	PHAZ EMIS A	LPHA SCALE PT-PT
1 -11.547 -18.657 1543.48811 2 -12.460 -18.569 1551.47963	-57.5 9.3	-83.1 33.0 -83.1 32.5	10.89518	0.830 -91.0 69.5 0.83C -90.7 69.7 C.851 -89.8 68.7	39.2 33.9	29.5 0. 0-1 29.4 27.78615 1-2
3 -11.800 -19.519 1532.95285	-58.1 8.5	-82.7 32.2	10.76249	C.851 -89.8 68.7	40.0 31.7	27.7 34.52694 2- 3
4 -11.775 -17.840 1557.35899 5 -13.219 -17.559 1572.79330	-60.7 9.2 -56.8 10.1	-83.0 30.7 -83.5 32.9	10.93350	0.823 -89.8 70.3	38.4 34.6	31.1 49.78595 3- 4 31.0 44.51618 4- 5
6 -13.220 -19.272 1547.64740	-54.0 9.3	-83.1 34.5	1C.865C7	C.834 -91.6 69.1	40.0 33.5	27.7 50.51853 5-6
7 -11.800 -19.519 1532.95285	-58.1 8.5	-82.7 32.2	10.76249	C.851 -89.8 68.7	40.0 31.7	27.7 43.64212 6- 7
JULY 31,1964 13 HR 15 MIN 5		TAB NO	10	ATLAS PHOTO NO		POD SEQUENCE NO 213
TRAJECTORY DATA		SEC TO IMPACT		LAT LON		V PTH AZ
PHOTO DATA		643.389	1378.94910	-4.882 -32.619	3114.404	2.083 -72.391 116.624
PT LAT LON RANGE 1 -11.520 -18.714 1511.04147	AZS/C AZN	AZSUN AZA	A =	B/A AZPHAZ INCD	PHAZ EMIS A	LPHA SCALE PT-PT
1 -11.520 -18.714 1511.04147	-56.6 8.7	-83.1 33.0	10.67569	0.829 -91.0 69.4	39.2 32.9	29.4 0. 0-1 29.4 28.58928 1-2
3 -11.803 -19.484 1502.03438	-58.1 8.5	-62.7 32.2	10.54542	0.85C -89.8 68.7	40.0 31.8	27.8 33.84526 2-3
2 -12.450 -18.552 1520.21445 3 -11.803 -19.484 1502.03438 4 -11.779 -17.838 1525.98224 5 -13.193 -17.563 1541.10945	-60.6 9.2	-63.0 30.7	10.71322			
6 -13.195 -19.242 1516.44061	-56.8 10.1			0.823 -89.8 70.3	38.4 34.6	31.1 48.79881 3-4
		-83.1 34.4	10.81954	0.806 -91.7 70.7 0.834 -91.6 69.1	38.4 34.6 : 38.4 36.3 : 40.0 33.5	31.1 48.79881 3- 4 31.0 43.62056 4- 5 27.7 49.51508 5- 6
7 -11.803 -19.484 1502.03438		-83.1 34.4 -82.7 32.2	10.81954 10.64599 10.54542	0.034 -41.0 04.1	4U+U 33+3 .	21.1 49.315UB 5- 6
7 -11.803 -19.484 1502.03438  JULY 31,1964 13 HR 15 MIN 22	-58.1 8.5	-03.1 34.4	10.04399	0.034 -41.0 04.1	40.0 31.8	21.1 49.51508 5- 6
	-58.1 8.5	-82.7 32.2  TAB NO	10.54542 11	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON	40.0 31.8 11 R	27.8 42.76474 6- 7  POD SEQUENCE NO 233  V PTH AZ
JULY 31,1964 13 HR 15 MIN 22 TRAJECTORY DATA PHOTO DATA	-58.1 8.5	-82.7 32.2  TAB NO	10.54542 11	C.85C -89.8 68.7  ATLAS PHOTO NO	40.0 31.8 11 R	27.8 42.76474 6- 7 POD SEQUENCE NO 233
JULY 31,1964 13 HR 15 MIN 22 TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE	-58.1 8.5 SEC 210 MS	TAB NO SEC TO IMPACT 626.590  AZSUN AZA	10.54542 11 ALT 1345.55075	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON 5 -4.970 -32.442  B/A AZPHAZ INCD	11 R 3081.006	POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PI-PT
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.489 -18.777 1474,96313	-58.1 8.5 SEC 210 MS  AZS/C AZN -56.6 8.7	-82.7 32.2  TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0	10.54542  11  ALT 1345.55075	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON  -4.970 -32.442  BZA AZPHAZ INCD  0.829 -91.0 69.4	11 R 3081.006	POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0. 0-1
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29478	AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5	-82.7 32.2  TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2	10.54542 11 ALT 1345.55075 A* 1C.43057 1C.42978 10.30362	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON -4.970 -32.442  BZA AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.829 -90.7 69.7	11 R 3081.006 PHAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8	27.8 42.76474 6- 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0- 1 29.4 29.58105 1- 2 27.9 33.08200 2- 3
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919	AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5	-82.7 32.2  TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2	10.54542 11 ALT 1345.55075 A* 1C.43057 1C.42978 10.30362	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON -4.970 -32.442  BZA AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.829 -90.7 69.7	11 R 3081.006 PHAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8	27.8 42.76474 6- 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0- 1 29.4 29.58105 1- 2 27.9 33.08200 2- 3
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.469 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092	AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2	TAB NO SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9	11. ALT 1345.55075 A. 10.43057 10.42978 10.30302 10.46720 10.57109	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON -4.970 -32.442  B/A AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.823 -89.8 68.7 C.823 -89.8 70.3 C.823 -89.8 70.3	R 3081.006 PHAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 36.3	27.7 49.31508 5- 6 27.8 42.76474 6- 7 POD SEQUENCE NO 233 V PTH AZ 2.091 -72.261 116.602 LPHA SCALE PT-PT 29.3 0. 0- 1 29.4 29.58105 1- 2 27.9 33.08200 2- 3 31.1 47.69422 3- 4 31.1 47.69422 3- 4
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919	AZS/C AZN -56.6 8.7 -57.5 9.3 -88.1 8.5 -60.6 9.2 -50.8 10.1 -54.2 9.3	TAB NO SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9	11. ALT 1345.55075 A. 10.43057 10.42978 10.30302 10.46720 10.57109	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON -4.970 -32.442  BZA AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.829 -90.7 69.7	R 3081.006 PHAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 36.3	27.7 49.31508 5- 6 27.8 42.76474 6- 7 POD SEQUENCE NO 233 V PTH AZ 2.091 -72.261 116.602 LPHA SCALE PT-PT 29.3 0. 0- 1 29.4 29.58105 1- 2 27.9 33.08200 2- 3 31.1 47.69422 3- 4 31.1 47.69422 3- 4
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092 6 -13.165 -19.211 1481.59926	AZS/C AZN -58.1 8.5 SEC 210 MS AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2 -56.8 0.1 -54.2 9.3 -58.1 8.5	TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9 -83.1 34.3 -82.7 32.2 TAB NO	11 11 1345-55075 10.49357 10.49357 10.30362 10.46720 10.57169 10.30362 10.30362	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON 0-4.970 -32.442  B/A AZPHAZ INCD 0.827 -91.0 69.4 0.827 -90.7 69.7 0.823 -89.8 68.7 0.223 -89.8 68.7 0.223 -89.8 68.7 0.85C -89.8 68.7  ATLAS PHOTO NO	R 3081.006 PMAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 34.6 40.0 31.8	27.7 49.31508 5- 6 42.76474 6- 7 POD SEQUENCE NO 233 V PTH AZ 2.091 -72.261 116.602 LPHA SCALE PT-PT 29.3 0. 0- 1 29.4 29.58105 1- 2 27.9 33.08200 2- 3 31.1 47.69422 3- 4 31.1 47.69422 3- 4 31.1 47.6942 5- 6 27.9 41.78386 6- 7 POD SEQUENCE NO 249
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.86313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092 6 -13.165 -19.211 1481.58926 7 -11.805 -19.447 1467.50760	AZS/C AZN -58.1 8.5 SEC 210 MS AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2 -56.8 0.1 -54.2 9.3 -58.1 8.5	TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9 -83.1 34.3 -82.7 32.2 TAB NO	11 11 1345-55075 10.49357 10.49357 10.30362 10.46720 10.57169 10.30362 10.30362	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON 0-4.970 -32.442  B/A AZPHAZ INCD 0.827 -91.0 69.4 0.827 -90.7 69.7 0.823 -89.8 68.7 0.223 -89.8 68.7 0.223 -89.8 68.7 0.85C -89.8 68.7  ATLAS PHOTO NO	R 3081.006 PMAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 34.6 40.0 31.8	27.7 49.31508 5- 6 42.76474 6- 7 POD SEQUENCE NO 233 V PTH AZ 2.091 -72.261 116.602 LPHA SCALE PT-PT 29.3 0. 0- 1 29.4 29.58105 1- 2 27.9 33.08200 2- 3 31.1 47.69422 3- 4 31.1 47.69422 3- 4 31.1 47.6942 5- 6 27.9 41.78386 6- 7 POD SEQUENCE NO 249
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092 6 -13.165 -19.211 1481.5926 7 -11.805 -19.447 1467.50760  JULY 31,1964 13 HR 15 MIN 35	AZS/C AZN -58.1 8.5 SEC 210 MS AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2 -56.8 0.1 -54.2 9.3 -58.1 8.5	TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9 -83.1 34.3 -82.7 32.2 TAB NO	11 11 1345-55075 10.49357 10.49357 10.30362 10.46720 10.57169 10.30362 10.30362	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON 0-4.970 -32.442  B/A AZPHAZ INCD 0.827 -91.0 69.4 0.827 -90.7 69.7 0.823 -89.8 68.7 0.223 -89.8 68.7 0.223 -89.8 68.7 0.85C -89.8 68.7  ATLAS PHOTO NO	R 3081.006 PMAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 34.6 40.0 31.8	POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0- 1 29.4 29.58105 1- 2 29.4 29.58105 1- 2 29.4 29.58105 2- 3 31.1 47.69422 3- 4 31.1 42.61958 4- 5 27.8 48.39224 5- 6 27.9 41.78386 6- 7
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092 6 -13.165 -19.211 1481.59926 7 -11.805 -19.447 1467.50760  JULY 31,1964 13 HR 15 MIN 35  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE	AZS/C AZN -58.1 8.5 SEC 210 MS AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2 -54.2 9.3 -58.1 8.5 SEC 649 MS	TAB NO SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9 -83.1 34.3 -82.7 32.2 TAB NO  SEC TO IMPACT 613.150  AZSUN AZA	11 1345.55075 10.43057 10.43057 10.43057 10.30302 10.46720 10.57109 10.40132 10.30302 12	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON -4.970 -32.442  BZA AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.85C -89.8 68.7 C.823 -89.8 70.3 0.806 -91.7 70.7 0.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON -5.042 -32.298  BZA AZPHAZ INCD	R 3081.006 PHAZ EMIS A 3081.006 PHAZ BIS A 30.2 32.7 39.2 34.0 40.0 31.8 43.4 36.3 40.0 33.6 40.0 31.8 12 PHAZ EMIS A R 3054.210	POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0 0- 1 29.4 29.58105 1- 2 27.9 33.08200 2- 3 31.1 47.69422 3- 4 31.1 42.61958 4- 5 27.9 41.78386 6- 7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.155 116.583
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092 6 -13.165 -19.211 1481.5926 7 -11.805 -19.447 1467.50760  JULY 31,1964 13 HR 15 MIN 35  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.465 -18.827 1445.82341	AZS/C AZN -58.1 8.5 SEC 210 MS AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2 -56.8 0.1 -54.2 9.3 -58.1 8.5 SEC 649 MS	TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9 -83.1 34.3 -82.7 32.2  TAB NO  SEC TO IMPACT 613.150  AZSUN AZA -83.1 32.9	11 1345.55075 A* 1C.42978 1C.42978 1C.42978 1C.303C2 1C.46720 1C.50132 1C.303C2 1C.303C2 1C.303C2 1C.303C2 1C.40132 1C.303C2 12	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON 5 -4.970 -32.442  B/A AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.825 -89.8 68.7 C.823 -89.8 68.7 C.823 -89.8 69.7 C.85C -89.8 68.7 C.85C -89.8 68.7 ATLAS PHOTO NO  LAT LON 1.5.042 -32.298  B/A AZPHAZ INCD 0.829 -91.0 69.3	R 3081.006  PHAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 34.6 40.0 31.8 12  R 3054.210  PHAZ EMIS A 39.3 32.6	27.7 49.31508 5-6 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0.5 1-2 27.9 33.08200 2-3 31.1 47.69422 3-4 31.1 42.61958 4-5 27.8 48.39224 5-6 27.9 41.78386 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.155 116.583  LPHA SCALE PT-PT 29.2 0. 0-1
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092 6 -13.165 -19.211 1481.5926 7 -11.805 -19.447 1467.50760  JULY 31,1964 13 HR 15 MIN 35  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.465 -18.827 1445.82341	AZS/C AZN -58.1 8.5 SEC 210 MS AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2 -56.8 0.1 -54.2 9.3 -58.1 8.5 SEC 649 MS	TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9 -83.1 34.3 -82.7 32.2  TAB NO  SEC TO IMPACT 613.150  AZSUN AZA -83.1 32.9	11 1345.55075 A* 1C.42978 1C.42978 1C.42978 1C.303C2 1C.46720 1C.50132 1C.303C2 1C.303C2 1C.303C2 1C.303C2 1C.40132 1C.303C2 12	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON 5 -4.970 -32.442  B/A AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.825 -89.8 68.7 C.823 -89.8 68.7 C.823 -89.8 69.7 C.85C -89.8 68.7 C.85C -89.8 68.7 ATLAS PHOTO NO  LAT LON 1.5.042 -32.298  B/A AZPHAZ INCD 0.829 -91.0 69.3	R 3081.006  PHAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 34.6 40.0 31.8 12  R 3054.210  PHAZ EMIS A 39.3 32.6	27.7 49.31508 5-6 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0.5 1-2 27.9 33.08200 2-3 31.1 47.69422 3-4 31.1 42.61958 4-5 27.8 48.39224 5-6 27.9 41.78386 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.155 116.583  LPHA SCALE PT-PT 29.2 0. 0-1
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092 6 -13.165 -19.211 1481.5926 7 -11.805 -19.447 1467.50760  JULY 31,1964 13 HR 15 MIN 35  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.465 -18.827 1445.82341	AZS/C AZN -58.1 8.5 SEC 210 MS AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2 -56.8 0.1 -54.2 9.3 -58.1 8.5 SEC 649 MS	TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9 -83.1 34.3 -82.7 32.2  TAB NO  SEC TO IMPACT 613.150  AZSUN AZA -83.1 32.9	11 1345.55075 A* 1C.42978 1C.42978 1C.42978 1C.303C2 1C.46720 1C.50132 1C.303C2 1C.303C2 1C.303C2 1C.303C2 1C.40132 1C.303C2 12	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON 5 -4.970 -32.442  B/A AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.825 -89.8 68.7 C.823 -89.8 68.7 C.823 -89.8 69.7 C.85C -89.8 68.7 C.85C -89.8 68.7 ATLAS PHOTO NO  LAT LON 1.5.042 -32.298  B/A AZPHAZ INCD 0.829 -91.0 69.3	R 3081.006  PHAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 34.6 40.0 31.8 12  R 3054.210  PHAZ EMIS A 39.3 32.6	27.7 49.31508 5-6 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0.5 1-2 27.9 33.08200 2-3 31.1 47.69422 3-4 31.1 42.61958 4-5 27.8 48.39224 5-6 27.9 41.78386 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.155 116.583  LPHA SCALE PT-PT 29.2 0. 0-1
JULY 31,1964 13 HR 15 MIN 22  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.499 -18.777 1474.96313 2 -12.438 -18.537 1485.29678 3 -11.805 -19.447 1467.50760 4 -11.781 -17.839 1490.93919 5 -13.163 -17.570 1505.72092 6 -13.165 -19.211 1481.58926 7 -11.805 -19.447 1467.50760  JULY 31,1964 13 HR 15 MIN 35  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.465 -18.827 1445.82341	AZS/C AZN -58.1 8.5 SEC 210 MS AZS/C AZN -56.6 8.7 -57.5 9.3 -58.1 8.5 -60.6 9.2 -56.8 0.1 -54.2 9.3 -58.1 8.5 SEC 649 MS	TAB NO  SEC TO IMPACT 626.590  AZSUN AZA -83.1 33.0 -83.1 32.5 -82.7 32.2 -83.0 30.7 -83.6 32.9 -83.1 34.3 -82.7 32.2  TAB NO  SEC TO IMPACT 613.150  AZSUN AZA -83.1 32.9	11 1345.55075 A* 1C.42978 1C.42978 1C.42978 1C.303C2 1C.46720 1C.50132 1C.303C2 1C.303C2 1C.303C2 1C.303C2 1C.40132 1C.303C2 12	C.85C -89.8 68.7  ATLAS PHOTO NO  LAT LON 5 -4.970 -32.442  B/A AZPHAZ INCD 0.829 -91.0 69.4 C.829 -90.7 69.7 C.825 -89.8 68.7 C.823 -89.8 68.7 C.823 -89.8 69.7 C.85C -89.8 68.7 C.85C -89.8 68.7 ATLAS PHOTO NO  LAT LON 1.5.042 -32.298  B/A AZPHAZ INCD 0.829 -91.0 69.3	R 3081.006  PHAZ EMIS A 39.2 32.7 39.2 34.0 40.0 31.8 38.4 34.6 38.4 34.6 40.0 31.8 12  R 3054.210  PHAZ EMIS A 39.3 32.6	27.7 49.31508 5-6 7  POD SEQUENCE NO 233  V PTH AZ 2.091 -72.261 116.602  LPHA SCALE PT-PT 29.3 0.5 1-2 27.9 33.08200 2-3 31.1 47.69422 3-4 31.1 42.61958 4-5 27.8 48.39224 5-6 27.9 41.78386 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.155 116.583  LPHA SCALE PT-PT 29.2 0. 0-1

	RA-VII CAMERA	P2			3
	TAB NO	13	ATLAS PHOTO NO	13 POD 5	EQUENCE NO 267
JULY 31,1964 13 HR 15 MIN 50 SEC 768 MS					
TRAJECTORY DATA	SEC TO IMPACT 598.031		LAT LCN -5.124 -32.133	R V 3023.981 2.105	PTH AZ -72.034 116.562
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A• 8	/A AZPHAZ INCO	PHAZ FMIS ALPHA	SCALE PT-PT
1 -11.438 -18.883 1413.04857 -56.7 8.7	-83.1 32.9	10.01000 0.	829 -91.0 69.3	39.4 32.5 29.1	0. 0- 1 31.21342 1- 2
2 -12.405 -18.520 1425.39166 -57.6 9.3 3 -11.798 -19.395 1408.29076 -58.2 8.6	-82.7 32.1	10.00912 0.0 9.88727 0.0	849 -89.8 68.8	39.2 34.0 29.5 40.0 31.9 27.9	31.76315 2- 3 45.79219 3- 4
4 -11.775 -17.850 1430.82178 -60.6 9.2 5 -13.102 -17.592 1444.98979 -56.9 10.1		10.04514 0. 10.14472 0.	823 +69.8 70.3	38.3 34.7 31.1 38.4 36.3 31.1	45.79219 3- 4 40.89466 4- 5
6 -13.103 -19.167 1421.79559 -54.3 9.3	-83.1 34.2	9.98154 C.	833 -91.6 69.2	40.0 33.6 27.8	46.45774 5- 6
7 -11.798 -19.395 1408.29076 -58.2 8.6	-82.7 32.1	9.88727 0.	649 -89.8 68.8	40.0 31.9 27.9	40.09480 6- 7
JULY 31:1964 13 HR 10 MIN 7 SEC 567 MS	TAB NO	14	ATLAS PHOTO NO		SEQUENCE NO 287
TRAJECTORY DATA	SEC TO IMPACT	ALT	LAT LON	R V 2990.287 2.114	PTH . AZ
PHOTO DATA	581.232	1254.83170	-5.218 -31.945	2990.287 2.114	-71.897 116.537
PT LAT LON RANGE AZS/C AZN	AZ SUN AZ A	А* В	/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
1 -11.408 -18.946 1376.49960 -56.8 8.6 2 -12.381 -18.516 1389.83333 <u>-57.7</u> 9.3	-83.1 32.8 -83.1 32.3	9.76035 0.	829 -91.0 69.2 829 -90.7 69.7	39.4 32.4 29.0	0. 0-1 32-10818 1-2
3 -11.789 -19.369 1373.15028 -58.2 8.6	-82.7 32.0	9.64055 0.	849 -89.8 68.8	39.9 31.9 28.0	30.97541 2- 3
4 -11.766 -17.663 1395.13896 -60.7 9.2 5 -13.059 -17.612 1408.93173 -57.0 10.1		9.79463 0.	823 -89.8 70.3 807 -91.7 70.7	38.3 34.6 31.1 38.4 36.2 31.1	44.65954 3- 4 39.86681 4- 5 45.30527 5- 6
6 -13.061 -19.147 1386.30219 -54.4 9.3	-83.2 34.1	9.73237 0.	833 -91.6 69.2	40.0 33.6 27.9	
7 -11.789 -19.369 1373.15028 -58.2 8.6	-82.7 32.0	9.64055 0.	849 -89.8 68.8	39.9 31.9 28.0	39.08869 6- 7
WILE 21 10// 12 10 14 ME 22 66/ (0/ MC	TAB NO	15	ATLAS PHOTO NO	15 POD S	SEQUENCE NO 305
JULY 31,1964 13 HR 16 MIN 22 SEC 686 MS					
TRAJECTORY DATA	SEC TO IMPACT 566.113	AL T 1224.41074	-5.303 -31.772	R V 2959.866 2.122	PTH AZ -71.771 116.515
PHOTU DATA PT LAT LUN RANGE AZS/C AZN	AZSUN AZA		LA AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.355 -18.519 1357.58473 -57.7 9.3	-83.1 32.3	5.53298 C.	8/A AZPHAZ INCD 829 -90.7 69.7	39.1 34.0 29.5	0. 1-2
3 -11.777 -19.352 1341.28883 -58.3 8.6 4 -11.755 -17.881 1362.77534 -60.7 9.2	-82.7 32.0 -83.0 30.7	9.41686 0. 9.56742 0.	849 -89.8 68.8	39.9 32.0 28.0 38.3 34.6 31.1	30.25664 2- 3 43.62724 3- 4
5 -13.018 -17.636 1376.22142 -57.0 10.0	-e3.6 32.7	9.66193 0.	807 -91.7 70.6	38.3 36.2 31.0	38.93249 4- 5
6 -13.020 -19.136 1354.11465 <u>-54.5</u> 9.3 7 -11.777 -19.352 1341.28883 -58.3 8.6	-83.2 34.0	9.41686 0.	833 -91.6 69.2	40.0 33.6 27.9 39.9 32.0 28.0	44.25463 5- 6 38.17441 6- 7
7 -11.777 -19.392 1341.20003 -30.3 6.0					
JULY 31,1964 13 HR 16 MIN 34 SEC 445 MS	TAB NO	16	ATLAS PHOTO NO	16 POD	SEQUENCE NO 319
TRAJECTURY DATA	TOARMI DT DEC.	ALT	LAT LON		PIH AZ
PHOTO DATA	554.354	1200.68585	-5.371 -31.635	2936.141 2.128	-71.672 116.497
PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A = B	S/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.333 -18.524 1332.36159 -57.8 9.2 3 -11.766 -19.341 1316.37233 -58.3 8.6		9.35587 0. 9.24193 0.	829 -90.7 69.7	39.1 34.0 29.5 39.9 32.0 28.0	0. 1- 2 29.69240 2- 3
4 -11.744 -17.898 1337.4631860.7 9.2		9.38971 0.	823 -89.8 70.3	38.3 34.6 31.1	42.81856 3- 4
5 -12.984 -17.658 1350.63333 -57.1 10.0 6 -12.985 -19.129 1328.93848 -54.6 9.3		9.48228 C. 9.32965 O.	806 -91.7 70.6	38.3 36.2 31.0	38.19990 4- 5 43.43136 5- 6
7 -11.766 -19.341 1316.37233 -58.3 8.6		9.24193 0.	849 -89.8 68.9	39.9 32.0 28.0	37.45770 6- 7
	TAB NO	17	ATLAS PHOTO NO	17 POD	SEQUENCE NO 333
JULY 31,1964 13 HR 16 MIN 46 SEC 205 MS					•
TRAJECTURY DATA	SEC TO IMPACT 542.595	ALT 1176.90372	LAT LCN -5.440 -31.496	R V 2912.359 2.134	PTH AZ -71.571 116.479
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A* t	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -12.309 -18.531 1307.01958 -57.8 9.2	-83.1 32.2	9.17791 0.	829 -90.7 69.7	39.1 34.0 29.5 39.9 32.0 28.0	01-2
3 -11.752 -19.333 1291.34100 -58.4 8.5 4 -11.732 -17.916 1312.03185 -60.7 9.2	-82./ 31.9	9.06619 C. 9.21117 C.		39.9 32.0 28.0 38.3 34.6 31.1	29.12417 2- 3 42.00482 3- 4
5 -12.947 -17.682 1324.92220 -57.1 10.0	-83.6 32.6	9.30177 0.	.608 -91.7 70.6	38.3 36.1 31.0	37.46304 4- 5
6 -12.948 -19.125 1303.64374 -54.6 9.3 7 -11.752 -19.333 1291.34100 -58.4 8.5		9.15207 C. 9.06619 C.		39.9 33.6 27.9 39.9 32.0 28.0	42.60284 5- 6 36.73697 6- 7
JULY 31,1964 13 HR 17 MIN 3 SEC 4 MS	TAB NO	18	ATLAS PHOTO NO	18 POD	SEQUENCE NO 353
TRAJECTORY DATA	SEC TO IMPACT		LAT LON -5.541 -31.293	K V 2878.284 2.14	PTH AZ 4 -71.424 116.452
PHOTO DATA					
PT LAT LON RANGE AZS/C AZN 2 -12-274 -18-550 1270-55151 -57-9 9-2		A= 6 8.92183 0.	B/A AZPHAZ INCD .830 -90.7 69.7	PHAZ EMIS ALPHA 39.1 33.9 29.5	0. 1- 2
3 -11.733 -19.329 1255.32745 -58.4 8.5	-82.8 31.8	6.81335 0.	.849 -89.8 68.9	39.9 32.0 28.0	28.30245 2- 3
4 -11.713 -17.952 1275.42841 -60.7 9.2 5 -12.894 -17.725 1287.91577 -57.2 9.9		8.95420 0. 9.04197 0.	.824 -89.8 7C.2 .809 -91.7 70.5	38.3 34.6 31.1 38.3 36.1 31.0	40.82683 3- 4 36.40240 4- 5
6 -12.895 -19.128 1267.25096 -54.7 9.2	~83.2 33.7	8.89658 0.	.834 -91.6 69.2	39.9 33.5 27.9	41,40347 5- 6
7 -11.733 -19.329 1255.32745 -58.4 8.5	-82.8 31.8	8.81335 0	.849 -89.8 68.9	39.9 32.0 28.0	35.69977 6- 7

		RA-V	I CAMER	A P2					4
JULY 31,1964 13 HR 17 MIN 16	SEC 443 MS		TAB NO	19	ATLAS PHOTO	O NO	19	POD SEQUENCE NO	369
TRAJECTORY DATA			I MPACT	A1 T					
BUOTO DATA			356	ALT 1115.4818	LAT L 1 -5.623 -31	ON .127	R 2850.937	V PTH 2.151 -71.305 11	AZ 6.430
PT LAT LON RANGE	AZS/C A	ZN AZSUN	I AZA	 A+	B/A AZPHAZ	INCO			
2 -12.246 -18.572 1241.16365	-57.9 9	.2 -83.1	32.1	8.71547	C.83C -90.7	69.7	39.1 33.9	ALPHA SCALE 29.5 0.	PT-PT 1- 2
3 -11.718 -19.332 1226.31091 4 -11.698 -17.988 1245.92621		•5 -82•8	31.8	8.60963	0.849 -89.8	68.9	39.9 31.9	28.0 27.63768	2- 3
5 -12.852 -17.767 1258.08939	-57.2 9	.9 -83.6		8.74707 8.83257	0.809 -91.7	7C.5	38.3 34.5 38.4 36.0	31.0 39.87247 30.9 35.54782	
6 -12.853 -19.136 1237.92940 7 -11.718 -19.332 1226.31091	-54.8 9	.2 -83.2 .5 -82.8		8.69073	C.834 -91.6	69.2	40.C 33.5	27.9 40.43179	5- 6
177.752 1220.51071	-20.5	•5 -82•8	31.8	8.60963	0.849 -89.8	68.9	39.9 31.9	28.0 34.86446	6- 7
JULY 31,1964 13 HR 17 MIN 28	SEC 202 ME		TAB NO	20	ATLAS PHOTO	NO C	20	POD SEQUENCE NO	383
	3EC 202 M3								
TRAJECTORY DATA		SEC TO	IMPACT	ALT	LAT L	ON	R	Y PIH	AZ
PHOTG DATA		500	• 241	1091.4893	5 -5.696 -30	•979	2826.945	2.158 -71.198 11	6.410
PT LAT LCN RANGE 2 -12.222 -18.589 1215.40303	AZS/C A	ZN AZSUN		Δ.	RA VIBHVI	INCD	PHAZ EMIS	ALPHA SCALE I	PT-PT
3 ~11.705 ~19.333 1200.87187	-58.5 P	.1 -83.2 .5 -82.8		8.53458 8.431C3	0.83C -90.7 0.849 -89.8	69.6	39.1 33.9 39.9 31.9		1- 2
4 -11.686 -18.017 1220.06683 5 -12.815 -17.801 1231.94939	-6C.8 9	.1 -83.0	30.6	8.56553	0.825 -89.8	70.1	38.3 34.5	28.0 27.05700 31.0 39.03856	3- 4
6 -12.816 -19.142 1212.22603	-57.3 9 -54.9 9	·8 -83.6 ·2 -83.3		8.64905	0.81C -91.7 C.834 -91.6	70.5	38.4 35.9	30.9 34.79993	4- 5
7 -11.705 -19.333 1200.87167	-58.5 8	.5 -82.8		6.43103	0.849 -89.8	68.9	40.0 33.5 39.9 31.9	27.9 39.58305 28.0 34.13311	5- 6 6- 7
			TAB NO	21	ATLAS PHOTO		21		
JULY 31,1964 13 HR 17 MIN 41	SEC 641 MS		120 140		AILAS FROID	, 110	21	POD SEQUENCE NO	399
TRAJECTORY DATA		SEC TO	IMPACT	AL I	LAT L	CN	к	V PTH	
PHOTO DATA			.158		-5.781 -30	.807		V PTH 2.166 -71.075 116	4Z 5.387
PT LAT LON RANGE	AZS/C A	EN AZSUN	AZA	A =	B / A A 7 D U A 7	This o			
2 -12.195 -18.615 1185.76859	-58.0 9	.1 -83.2	32.0		B/A AZPHAZ 0.831 -9G.7	69.6	39.2 33.8	ALPHA SCALE F 29.4	7T-PT
3 +11.691 -19.340 1171.61197 4 +11.672 -18.057 1190.31302		-82.8 1 -83.0		8.22560		68.9	40.0 31.9	28.0 26.38655	2- 3
5 -12.774 -17.848 1201.87431	-57.3 9	8 -83.6	32.4	8.35664 8.43790	0.825 -89.8 0.811 -91.7	70.4	38.3 34.4 38.4 35.9	30.9 38.07413 30.8 33.94019	3- 4
6 -12.775 -19.154 1182.66362	-54.9 9	1 -83.3		8.30275		69.1	40.0 33.4	27.9 38.60155	
6 -12.775 -19.154 1182.66362 7 -11.691 -19.340 1171.61197		.1 -83.3 .5 -82.8	31.8	8.30275 8.22560	0.849 -89.8	69.1 68.9	40.0 33.4 40.0 31.9	27.9 38.60155	
7 -11.691 -19.340 1171.61197	-58.5 8			8.30275		69.1 68.9	40.0 33.4 40.0 31.9 <b>22</b>	27.9 38.60155	5- 6 6- 7
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53	-58.5 8	5 -82.8	31.8 TAB NO	8.30275 8.22560 <b>22</b>	0.849 -89.8	69.1 68.9	40.0 31.9	27.9 38.60155 28.0 33.29255	5- 6 6- 7
7 -11.691 -19.340 1171.61197	-58.5 8	5 +82.8 SEC TO	31.8 TAB NO	8.30275 8.22560 <b>22</b>	ATLAS PHOTO	69.1 68.9 NO	40.0 31.9 22	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO	5- 6 6- 7 413 -
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA	-58.5 8. SEC 401 MS	5 +82.8 SEC TO	31.8 TAB NO	8.30275 8.22560 <b>22</b>	0.849 -89.8 ATLAS PHOTO	69.1 68.9 NO	40.0 31.9 22	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO	5- 6 6- 7 413 -
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE	-58.5 8. SEC 401 MS AZS/C A	55 +82.8 SEC TO 475 IN AZSUN	31.8 TAB NO !MPACT .399	8.30275 8.22560 <b>22</b> ALT 1039.87137	0.849 -89.8  ATLAS PHOTO  LAT  -5.857 -3C	69.1 68.9 NO	40.0 31.9 22 2775.327	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO V PTH A 2.173 -70.965 116	5- 6 6- 7 413 -
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PT LAT LCN RANGE 2 -12.171 -16.637 1159.75629 3 -11.678 -19.346 1145.92676	-58.5 8. SEC 401 MS  AZS/C A58.0 9.	SEC TO 475 IN AZSUN 1 -83.2 5 -82.8	31.8 TAB NO 1MPACT .399 AZA 32.0	8.30275 8.22560 <b>22</b> ALT 1039.87137 A* 6.14383	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ  G.831 -90.7	69.1 68.9 NO CN .654	22 2775.327 PHAZ EMIS 39.2 33.8	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO V PTH A 2.173 -70.965 116 ALPHA SCALE F 29.4 0.	5- 6 6- 7 413 
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PT LAT LCN RANGE 2 -12.171 -18.637 1159,75629 3 -11.678 -19.346 1145,92676 4 -11.660 -18.092 1164,19696	-58.5 8. SEC 401 MS  AZS/C -58.0 958.5 860.8 9.	SEC TO 475 IN AZSUN 1 -83.2 .5 -82.8 .1 -83.0	31.8 TAB NO 1MPACT .399 AZA 32.0 31.7 30.6	8.30275 8.22560 <b>22</b> ALT 1039.87137 A* 6.14383 8.04527 8.17329	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ  C.831 -90.7  C.849 -89.8  C.826 -89.8	69.1 68.9 NO NO INCD 69.6 68.8 70.1	22 R 2775.327 PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 34.4	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO V PTH A 2.173 -70.965 116 ALPHA SCALE F 0. 28.0 25.79893 30.9 37.22886	5- 6 6- 7 413 
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PT LAT LCN RANGE 2 -12.171 -16.637 1159.75629 3 -11.678 -19.346 1145.92676 4 -11.660 -18.092 1164.19696 5 -12.737 -17.887 1175.47768 6 -12.738 - 19.165 1156,7159	-58.5 8. SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 9.	SEC TO 475 IN AZSUN 1 -83.2 15 -82.8 1 -83.6 18 -83.6	31.8 TAB NO 1MPACT.399 AZA 32.0 31.7 30.6 32.3	8.30275 8.22560 22 ALT 1039.87137 A* 6.14383 8.04527 8.17329 8.25258	0.849 -89.8  ATLAS PHOTO  LAT LI -5.857 -3C  B/A AZPHAZ C.831 -90.7 C.849 -89.8 C.226 -89.8 C.226 -89.8	69.1 68.9 NO .654 INCD 69.6 69.8 70.1 70.4	22 2775.327 PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 34.4 38.4 35.8	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO V PTH 2.173 -70.965 116 ALPHA SCALE F 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596	5- 6 6- 7 413 - 413 - 7-PT 1- 2 2- 3 3- 4 4- 5
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PT LAY 2 -12.171 -18.637 1159.75629 3 -11.678 -19.346 1145.92676 4 -11.660 -18.092 1164.19696 5 -12.737 -17.887 1175.47768	-58.5 8. SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 9.	SEC 10 475 IN AZSUN 11 -83.2 15 -82.8 1 -83.0 8 -83.6 11 -83.3	31.8 TAB NO 1MPACT.399 AZA 32.0 31.7 30.6 32.3	8.30275 8.22560 22 ALT 1039.87137 A. 8.14363 8.04527 8.17329 8.25258 8.12057	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ  C.831 -90.7  C.849 -89.8  C.826 -89.8	69.1 68.9 NO NO INCD 69.6 68.8 70.1 69.1	22 R 2775.327 PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 34.4	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE F 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153	5- 6 6- 7 413 12.367 11- 22 2- 3 3- 4- 5 5- 6
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PI LAT LCN RANGE 2 -12.171 -18.637 1159,75629 3 -11.678 -19.346 1145,92676 4 -11.660 -18.092 1164.19696 5 -12.737 -17.887 1175.47768 6 -12.736 -19.165 1156.71399 7 -11.678 -19.346 1145.92676	-58.5 8.  SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 955.0 958.5 8.	SEC TO 475 IN AZSUN 1 -83.2 5 -82.8 1 -83.0 1 -83.3 5 -82.8	31.8 TAB NO 1MPACT .399 AZA 32.0 31.7 30.6 32.3 33.5	8.30275 8.22560 22 ALT 1039.87137 A. 8.14363 8.04527 8.17329 8.25258 8.12057	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ  6.831 -90.7  C.0426 -89.8  C.011 -91.7  C.0435 -91.6	69.1 68.9 NO NO INCD 69.6 68.8 70.1 70.4 69.1 68.8	22 R 2775.327 PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 34.4 40.0 33.4 40.0 33.9	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO V PTH A 2.173 -70.965 116 ALPHA SCALE P 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153 28.0 32.55497	5- 6 6- 7 413 22 3-367 27-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PT LAT LCN RANGE 2 -12.171 -16.637 1159.75629 3 -11.678 -19.346 1145.92676 4 -11.660 -18.092 1164.19696 5 -12.737 -17.887 1175.47768 6 -12.738 - 19.165 1156,7159	-58.5 8.  SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 955.0 958.5 8.	SEC TO 475 IN AZSUN 1 -83.2 5 -82.8 1 -83.0 1 -83.3 5 -82.8	31.8 TAB NO 1MMACT.399 AZA 32.0 31.7 30.6 32.3 33.5 31.7	8.30275 8.22560 22 ALT 1039.87137 A. 6.14383 8.04527 8.17329 8.25258 8.12057 8.04527	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ  C.831 -90.7  C.849 -89.8  C.811 -91.7  C.335 -91.6  C.849 -89.8	69.1 68.9 NO NO INCD 69.6 68.8 70.1 70.4 69.1 68.8	22 R 2775-327 PHAZ EMIS 39-2 33-8 40-0 31-9 38-4 34-4 38-4 35-8 40-0 33-4	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE F 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153	5- 6 6- 7 413 22 3-367 27-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PI LAT LCN RANGE 2 -12.171 -18.637 1159,75629 3 -11.678 -19.346 1145,92676 4 -11.660 -18.092 1164.19696 5 -12.737 -17.887 1175.47768 6 -12.736 -19.165 1156.71399 7 -11.678 -19.346 1145.92676	-58.5 8.  SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 955.0 958.5 8.	SEC 10 475 N AZSUN 1 -83.2 5 -82.8 1 -83.0 8 -83.3 5 -82.8	31.8 TAB NO  IMPACT. 399  AZA 32.0 31.7 30.6 32.3 33.5 31.7  TAB NO	8.30275 8.22560 22 ALT 1039.87137 A.14383 8.04527 8.17329 8.25258 8.12057 8.04527	0.849 -89.8  ATLAS PHOTO  LAT	69.1 68.9 NO INCD 69.6 69.6 70.1 70.4 69.1 68.8 NO	K 2775.327 PHAZ EMIS 39.2 33.8 39.2 33.8 38.4 34.4 38.4 35.8 40.0 31.9 23	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE F 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153 28.0 32.55497  POD SEQUENCE NO	5- 6 6- 7 413 22.367 27-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 425
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PT LAT LCN RANGE 2 -12.171 -16.637 1159,75629 3 -11.678 -19.346 1145.92676 4 -11.660 -18.092 1164.19696 5 -12.737 -17.887 1175.47768 6 -12.736 -19.165 1156.71399 7 -11.678 -19.346 1145.92676  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA	-58.5 8.  SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 955.0 958.5 8.	SEC TO 475  N AZSUN 1 -83.2 15 -82.8 1 -83.0 18 -83.3 5 -82.8 SEC TO	31.8 TAB NO 1MMACT.399 AZA 32.0 31.7 30.6 32.3 33.5 31.7	8.30275 8.22560 22 ALT 1039.87137 A. 8.14363 8.04527 8.17329 8.25258 8.12057 8.04527 23	0.849 -89.8  ATLAS PHOTO  LAT	69.1 68.9 NO INCD 69.6 68.8 70.1 70.4 69.1 68.8 NO	R 2775.327 PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 35.8 40.0 33.4 40.0 31.9 23	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO V PTH A 2.173 -70.965 116 ALPHA SCALE F 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.24153 28.0 32.55497 POD SEQUENCE NO	5- 6 6- 7 413 - AZ 367 DT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 425
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA PT LAT LCN RANGE 2 -12.171 -18.637 1159,75629 3 -11.678 -19.346 1145.92676 4 -11.660 -18.092 1164.19696 5 -12.737 -17.887 1175.47768 6 -12.736 -19.165 1156.71399 7 -11.678 -19.346 1145.92676  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTO DATA PT LAT LCN RANGE	-58.5 8 SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 955.0 958.5 8. SEC 480 MS	SEC TO 475  N AZSUM 1 -83.2 5 -82.8 1 -83.0 8 -83.6 5 -82.8  SEC TO 465	31.8 TAB NO  IMPACT. 399  AZA 32.0 31.7 300.6 32.3 33.5 31.7 TAB NO	8.30275 8.22560 22 ALT 1039.87137 A. 8.14363 8.04527 8.17329 8.25258 8.12057 8.04527 23	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ  C.831 -90.7  C.849 -89.8  C.826 -89.8  C.811 -91.7  C.355 -91.6  C.849 -89.8  ATLAS PHOTO	69.1 68.9 NO .654 INCD 69.6 68.8 70.4 69.1 68.8 NO	R 2754.600	27.9 38.60155 28.0 33.29255 POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE P 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153 28.0 32.55497  POD SEQUENCE NO  V PTH A 2.179 -70.869-116	5- 6 6- 7 413 
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7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 2 -12.171 -18.637 1159.75629 3 -11.678 -19.346 1145.9676 4 -11.660 -18.092 1164.19696 5 -12.737 -17.887 1175.47768 6 -12.738 -19.165 1156.71399 7 -11.678 -19.346 1145.92676  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA PI LAT LCN RANGE 2 -12.150 -18.657 1137.37056 3 -11.666 -19.559 1123.82323 4 -11.646 -19.559 1123.123.82323 4 -11.646 -19.559 1123.123.123	-58.5 8 SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 955.0 958.5 8. SEC 480 MS	SEC TC 475  N AZSUN 11 -03.2.5  -82.8  SEC TC 475  -82.8  SEC TC 465  SEC TC 465  N AZSUN 4682.8	31.8 TAB NO  IMPACT. 399  AZA 32.0 31.7 30.6 32.3 33.5 31.7 TAB NO  IMPACT. 319  AZA 32.0 31.7	8.30275 8.22560 22 ALT 1039.87137 A.16383 8.04527 8.17329 8.25258 8.12057 8.04527 23 ALT 1019.14432 A.798664 7.89069	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ C.831 -90.7 C.849 -89.8 C.811 -91.7 C.849 -89.8 ATLAS PHOTO  LAT -5.923 -3C  B/A AZPHAZ C.831 -90.7 C.841 -90.7 C.841 -90.7	69.1 68.9 NO .654 INCD 69.6 68.8 70.1 70.4 69.1 68.8 NO	40.0 31.9 22  R 2775.327  PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 34.4 35.8 40.0 31.9 23  R 2754.600  PHAZ EMIS 39.2 33.8 40.0 31.9	27.9 38.60155 28.0 33.29255  POD SEQUENCE NO  V 77 70.965 116  ALPHA SCALE P 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153 28.0 35.5497  POD SEQUENCE NO  V PTH 2.179 -70.869.116  ALPHA SCALE P 2.179 -70.869.116  ALPHA SCALE P 2.179 -70.869.116	5- 6 6- 7 413 367 PT-PT 1- 2 2- 3 3- 4- 5 5- 6- 7 425 349 
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7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PT LAY LCN RANGE 2 -12.171 -16.637 1159,75629 3 -11.678 -19.346 1145,92676 4 -11.660 -18.092 1164,19696 6 -12.737 -17.887 1175,47768 6 -12.738 -19.165 1156,71199 7 -11.678 -19.346 1145,92676  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTU DATA PT LAT LCN RANGE 2 -12.150 -18.657 1137,37056 3 -11.666 -19.353 1123.82323 4 -11.464 -18.122 1141,72240 5 -12.704 -17.923 1152.76085 6 -12.705 -19.175 1134,33220  JULY 31,1964 13 HR 18 MIN 16	-58.5 8 SEC 401 MS  AZS/C A58.0 958.5 8 -60.8 957.3 958.5 8.  SEC 480 MS  AZS/C A58.6 958.6 958.6 8.	SEC TC 465  SEC TC 475  N AZSUN 11 -83.2 5 -82.8  SEC TC 465  N AZSUN 11 -83.3 5 -82.8  SEC TC 465  N AZSUN 1 -83.3 4 -82.8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	31.8 TAB NO  IPPACT 399  AZA 32.0 31.7 30.6 32.3 33.5 31.7 TAB NO  IMPACT 319  AZA 32.0 31.7 30.6 22.3 33.5 31.7 TAB NO	8.30275 8.22560 22 ALT 1039.87137 A. 6.14383 8.04527 8.17329 8.12057 8.04527 23 ALT 1019.14432 4.7.89009 8.01551 8.09309 7.96380 7.89009	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ C.831 -90.7 C.849 -89.8 C.826 -89.8 ATLAS PHOTO  LAT -5.923 -3C  B/A AZPHAZ C.831 -91.6 C.849 -89.8 ATLAS PHOTO  C.849 -89.8 C.849 -89.8 C.849 -89.8 C.849 -89.8 C.849 -89.8 C.849 -89.8	69.1 68.9 NO  INCD 65.6 1 INCD 69.6 68.8 NO  INCD 68.6 68.8 NO	22  R 2775.327  PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 35.8 40.0 33.4 40.0 31.9 23  R 2754.600  PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 35.8 40.0 31.9	27.9 38.60155 28.0 33.29255  POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE P 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153 28.0 32.55497  POD SEQUENCE NO  V PTH A 2.179 -70.869-116 429.4 0. 28.0 25.29290 30.8 36.50136 30.7 32.53669 27.9 37.00135 28.0 31.92004  POD SEQUENCE NO	5-6 6-7 413 -367 -367 
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAY LCN RANGE 2 -12.171 -18.637 1159,75629 3 -11.678 -19.346 1145,92676 4 -11.660 -18.092 1164,19696 6 -12.737 -17.887 1175,47768 6 -12.738 -19.165 1156,71139 7 -11.678 -19.346 1145,92676  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA PT LAY LCN RANGE 2 -12.150 -18.657 1137,37056 3 -11.666 -19.353 1123,82323 4 -11.64H -18.122 1141,7240 5 -12.704 -17.923 1152.76085 6 -12.705 -19.175 1134,38230 7 -11.666 -19.353 1123.82323  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA	-58.5 8 SEC 401 MS  AZS/C A58.0 958.5 8 -60.8 957.3 958.5 8.  SEC 480 MS  AZS/C A58.6 958.6 958.6 8.	SEC TO 465  SEC TC 475  SEC TC 475  SEC TC 465  SEC TC 564  SEC TC 676  SEC TC	31.8 TAB NO  IMPACT. 399  AZA 32.0 31.7 TAB NO  IMPACT. 319  AZA 32.0 31.7 TAB NO  IMPACT. 32.0 31.7	8.30275 8.22560 22 ALT 1039.87137 A. 6.14383 8.04527 8.17329 8.25258 8.12057 8.04527 23 ALT 1019.14432 A. 7.98664 7.89069 8.01551 8.09369 7.96380 7.89069 24 ALT	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ C.831 -90.7 C.849 -89.8 C.811 -91.7 C.835 -91.6 C.849 -89.8  ATLAS PHOTO  LAT -5.923 -3C B/A AZPHAZ C.831 -90.7 C.831 -90.7 C.834 -90.8 C.834 -90.8 C.834 -90.8 ATLAS PHOTO	69.1 68.9 NO  I NO  I NC  69.6 69.6 69.6 69.1 68.8 NO  I NC  NO  NO  NO  NO  NO  NO  NO  NO  NO	R 2775.327 PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 34.4 40.0 31.9 23  R 2754.600 PHAZ EMIS 30.0 33.4 40.0 33.4 40.0 33.9 40.0 33.9 23  R 2754.600 R 2754.600	27.9 38.60155 28.0 33.29255  POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE P 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153 28.0 32.55497  POD SEQUENCE NO  V PTH A ALPHA SCALE P 29.4 0. 22.179 -70.869-116  ALPHA SCALE P 29.4 0. 28.0 25.29290 30.8 36.50136 30.7 32.53669 27.8 37.00135 28.0 31.92004  POD SEQUENCE NO	5-6 6-7 413
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PHOTU DATA  PT LAT LCN RANGE 2 -12.171 -16.637 1159.75629 3 -11.678 -19.346 1145.92676 4 -11.660 -18.092 1164.19696 6 -12.737 -17.887 1175.47768 6 -12.737 -17.887 1175.47768 6 -12.730 -19.165 1156.71399 7 -11.678 -19.346 1145.92676  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PI LAT LCN RANGE 2 -12.150 -18.657 1137.37056 3 -11.666 -19.353 1123.82323 4 -11.648 -18.122 1141.72240 5 -12.704 -17.923 1152.76085 6 -12.705 -19.175 1134.38200 7 -11.666 -19.353 1123.82323  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA  PHOTO DATA	-58.5 8 SEC 401 MS  AZS/C A58.0 958.5 8 -60.8 957.3 958.5 8. SEC 480 MS  AZS/C A58.6 958.6 958.6 958.6 958.6 8. SEC 919 MS	SEC TC 465  SEC TC 475  N AZSUN AZSUN 11 -83.2.6 1 -83.3.5 -82.8  SEC TC 465  N AZSUN 465  SEC TC 465	31.8 TAB NO  IPPACT 399  AZA 32.0 31.7 30.6 32.3 33.5 31.7 TAB NO  IMPACT 319  AZA 32.0 32.3 33.5 31.7 TAB NO	8.30275 8.22560 22  ALT 1039.87137 A. 8.14383 8.04527 8.17329 8.25258 8.12057 8.04527 23  ALT 1019.14432 A. 7.98664 7.890C9 8.01551 8.093C9 7.96380 7.890C9 24  ALT 991.43570	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ  G.831 -90.7  C.849 -89.8  G.226 -89.8  G.226 -89.8  ATLAS PHOTO  LAT -5.923 -3C  B/A AZPHAZ  C.831 -90.7  C.839 -89.8  ATLAS PHOTO  LAT -5.923 -3C  B/A AZPHAZ  C.831 -90.7  C.849 -89.8  G.826 -89.8  G.826 -89.8  ATLAS PHOTO	69.1 68.9 NO  EN .654 INCD 68.6 70.1 70.1 68.8 NO  INCD 68.6 8.8 NO  INCD 69.1 68.8 NO	R 2775.327 PHAZ EMIS 39.2 33.8 40.0 31.9 38.4 35.4 40.0 31.9 23 R 2754.600 PHAZ EMIS 39.2 33.8 40.0 31.9 23 R 2754.600 PHAZ EMIS 39.2 33.8 40.0 31.9 24	27.9 38.60155 28.0 33,29255  POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE P 29.4 0. 28.0 25.79893 30.9 37.22886 30.8 33.18596 27.9 37.74153 28.0 32.55497  POD SEQUENCE NO  V PTH A 2.179 -70.869.116  ALPHA SCALE P 29.4 0. 28.0 25.29290 30.8 36.50136 30.7 32.53669 27.8 37.00135 28.0 31.92004  POD SEQUENCE NO  V PTH A 2.187 -70.739 116	5-6 6-7 413
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PT LAT LCN RANGE 2 -12.171 -16.637 1159.75629 3 -11.678 -19.346 1145.92676 4 -11.660 -16.092 1164.19696 6 -12.737 -17.887 1175.47768 6 -12.739 -19.165 1156.71399 7 -11.678 -19.346 1145.92676  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 2 -12.150 -18.657 1137.37056 3 -11.666 -19.353 1123.82323 4 -11.648 -18.122 1141.72240 5 -12.704 -17.923 1152.76085 6 -12.705 -19.175 1134.38200 7 -11.666 -19.353 1123.82323  JULY 31,1964 13 HR 18 MIN 16  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 2 -12.119 -18.687 1107.37885	-58.5 8  SEC 401 MS  AZS/C A58.0 958.5 860.8 957.3 958.5 8.  SEC 480 MS  AZS/C A58.0 958.0 958.0 958.0 958.6 8.  SEC 919 MS	SEC TC 465  SEC TC 475  SEC TC 465  SEC TC	31.8  TAB NO  IMPLACT .399  AZA 32.0 31.7 30.6 32.3 33.5 31.7  TAB NO  IMPLACT .319  AZA 32.0 31.7 TAB NO	8.30275 8.22560 22 ALT 1039.87137 A. 6.14383 8.04527 8.17329 8.12057 23 ALT 1019.14432 7.98664 7.89009 8.01551 8.09309 7.96380 7.89009 24	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ C.831 -90.7 C.849 -89.8 C.811 -91.7 C.355 -91.6 C.849 -89.8 ATLAS PHOTO  LAT -5.923 -3C B/A AZPHAZ C.831 -90.7 C.849 -89.8 C.826 -89.8 C.821 -91.7 C.836 -91.6 C.849 -89.8 C.827 -91.6 C.849 -89.8 C.828 -91.7 C.838 -91.7 C.838 -91.7 C.838 -91.7 C.838 -91.7 C.838 -91.6 C.849 -89.8	69.1 68.9 I NO EN 6554 INCD 69.6 69.6 69.6 69.6 69.6 69.1 NO EN 69.1 INCD 68.8 NO EN 69.1 INCD 68.8 NO EN 69.6 68.8 NO EN 69.6 68.8 NO EN 69.6 68.8 NO	R 2754.600 PHAZ EMIS 39.2 33.8 40.0 31.9 23 R 2754.600 PHAZ EMIS 38.4 35.8 40.0 33.4 40.0 31.9 23 R 2754.600 PHAZ EMIS 39.2 33.8 40.0 31.9 23 38.4 35.8 40.0 31.9 24	27.9 38.60155 28.0 33.29255  POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE P 29.4 0. 28.0 25.79893 30.9 33.18596 27.9 37.74153 28.0 32.55497  POD SEQUENCE NO  V PTH A 2.179 -70.869-116  ALPHA SCALE P 2.180 25.29290 30.8 36.50136 30.7 32.55669 27.8 37.00135 30.7 32.53669 27.8 37.00135 30.7 32.53669 27.8 37.00135 30.7 32.53669 27.8 37.00135 30.7 32.53669 27.8 37.00135 30.7 32.53669 27.8 37.00135	5-6 6-7 413 17-P1 1-2 2-3 3-4 4-5 5-6-7 425 2-3 3-4 4-5 6-7 4-5 6-7 4-5 6-7 4-7 2-3 4-5 6-7 4-7 1-2 2-3 4-1 3 4-1 4-1 4-1 4-1 2-3 4-1 4-1 4-1 4-1 4-1 4-1 4-1 4-1 4-1 4-1
7 -11.691 -19.340 1171.61197  JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTU DATA  PHOTU DATA  PT LAT LCN RANGE 2 -12.171 -16.637 1159.75629 3 -11.678 -19.346 1145.92676 4 -11.660 -18.092 1164.19696 6 -12.737 -17.887 1175.47768 6 -12.737 -17.887 1175.47768 6 -12.730 -19.165 1156.71399 7 -11.678 -19.346 1145.92676  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA  PHOTO DATA	-38.5 8 SEC 401 MS  AZS/C A58.0 957.3 955.0 958.5 8. SEC 480 MS  AZS/C A58.0 958.6 8. SEC 919 MS  AZS/C A58.6 8.	SEC TC 465  SEC TC 475  N AZSUN AZSUN 11 -83.2.6 1 -83.3.5 -82.8  SEC TC 465  N AZSUN 465  SEC TC 465	31.8 TAB NO  IPPACT. 399  AZA 32.0 31.7 300.6 32.3 33.5 31.7 TAB NO  IMPACT. 31.7 30.6 32.3 33.5 31.7 TAB NO	8.30275 8.22560 22 ALT 1039.87137 A. 6.14383 8.04527 8.17329 8.12057 23 ALT 1019.14432 7.98664 7.89009 8.01551 8.09309 7.96380 7.89009 24	0.849 -89.8  ATLAS PHOTO  LAT -5.857 -3C  B/A AZPHAZ  G.831 -90.7  C.849 -89.8  G.226 -89.8  G.226 -89.8  ATLAS PHOTO  LAT -5.923 -3C  B/A AZPHAZ  C.831 -90.7  C.839 -89.8  ATLAS PHOTO  LAT -5.923 -3C  B/A AZPHAZ  C.831 -90.7  C.849 -89.8  G.826 -89.8  G.826 -89.8  ATLAS PHOTO	69.1 68.9 I NO EN 6554 INCD 69.6 69.6 69.6 69.6 69.6 69.1 NO EN 69.1 INCD 68.8 NO EN 69.1 INCD 68.8 NO EN 69.6 68.8 NO EN 69.6 68.8 NO EN 69.6 68.8 NO	R 2754.600 PHAZ EMIS 39.2 33.8 40.0 31.9 23 R 2754.600 PHAZ EMIS 38.4 35.8 40.0 33.4 40.0 31.9 23 R 2754.600 PHAZ EMIS 39.2 33.8 40.0 31.9 23 38.4 35.8 40.0 31.9 24	27.9 38.60155 28.0 33.29255  POD SEQUENCE NO  V PTH A 2.173 -70.965 116  ALPHA SCALE P 29.4 0. 28.0 25.79893 30.9 33.18596 27.9 37.74153 28.0 32.55497  POD SEQUENCE NO  V PTH A 2.179 -70.869-116  ALPHA SCALE P 2.180 25.29290 30.8 36.50136 30.7 32.55669 27.8 37.00135 30.7 32.53669 27.8 37.00135 30.7 32.53669 27.8 37.00135 30.7 32.53669 27.8 37.00135 30.7 32.53669 27.8 37.00135 30.7 32.53669 27.8 37.00135	5-6-7 413

	RA-VII CAMEKA	P2		5
	TAB NO	25 ATLAS	PHOTO NO 25	POD SEQUENCE NO 453
JULY 31,1964 13 HR 18 MIN 26 SEC 999 MS				
TRAJECTORY DATA	SEC TO IMPACT 441.801	ALT LAT 970.59937 -6.081	LGN R -30.199 2706.055	V PTH AZ 5 2.194 -70.641 116.306
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A+ B/A AZ	PHAZ INCD PHAZ EMIS	ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C AZN Z -12.096 -18.710 1084.78351 ->8.1 9.0		7.61737 0.832 -	90.7 69.5 39.2 33.7	29.3 0. 1-2
3 -11.635 -19.373 1071.90280 -58.6 8.4			89.8 68.8 40.0 31.8 89.8 70.C 36.4 34.2	27.9 24.10224 2- 3 30.7 34.79035 3- 4
4 -11.618 -14.200 1088.92598 -60.8 9.0 5 -12.625 -18.012 1099.39352 -57.4 9.7			91.7 70.2 38.4 35.6	30.6 31.01082 4- 5
6 -12.626 -19.205 1081.92279 -55.1 . 9.0	-83.4 33.3	7.59551 0.836 -	91.6 69.1 40.0 33.3	27.8 35.26060 5- 6 27.9 0.42784 6- 7
7 -11.635 -19.373 1071.90280 -58.6 8.4	-82.8 31.7	7.52557 0.850 -	89.8 68.8 40.0 31.8	
	TAB NO	26 ATLAS	PHOTO NO 26	POD SFQUENCE NO 465
JULY 31,1964 13 HR 18 MIN 37 SEC 78 MS				
TRAJECTORY DATA	SEC TO IMPAGE 431.721	ALT LAT 949.71494 -6.150	LCN R 1 -3C.058 2685.17	V PIH AZ 0 2.200 -70.540 116.286
PHOTO DATA  DE LAT LON RANGE AZSZE AZE	AZSUN AZA	A+ B/A AZ	PHAZ INCE PHAZ EMIS	ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C AZS 2 -12.072 -18.732 1062.14848 -58.1 9.0		7.45842 0.833 -	90.7 69.5 39.2 33.6	29.3 0. 1-2
3 -11.621 -19.381 1049.55247 -58.6 8.4	-62.8 31.7	7.36865 0.850 -	69.8 68.8 40.0 31.8	27.9 23.59097 2- 3
4 -11.604 -18.233 1066.20221 -60.8 9.0		7.48532 C.827 - 7.55718 C.814 -	-89.8 69.9 38.4 34.2 -91.7 70.2 38.4 35.6	30.6 30.35485 4- 5
5 -12.590 -18.049 1076.42587 -57.5 9.6 6 -12.591 -19.216 1059.34201 -55.2 9.6			91.6 69.1 40.0 33.2	27.8 34.51337 5- 6
7 -11.621 -19.381 1049.55247 -58.6 8.4		7.36865 0.850 -	89.8 68.8 40.0 31.8	
	TAB NO	27 ATLAS	PHOTO NO 27	POD SEQUENCE NO 475
JULY 31,1964 13 HR 18 MIN 45 SEC 478 MS				
TRAJECTORY DATA	SEC TO IMPACT 423.322	ALT LAT 932-27448 -6-20	LON R 9 -29.939 2667.73	V PTH AZ 0 2.205 -70.456 116.270
PHOTO DATA	N AZSUN AZA	A• B/A A	ZPHAZ INCD PHAZ EMIS	ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C AZ 2 -12.053 -18.751 1043.22487 -58.1 9.0 3 -11.609 -19.388 1030.87050 -58.7 8.0 4 -11.502 -18.241 1047.20839 -60.8 9.0	N 7230N AZA 0 -83.2 31.9	7.32557 0.833	-90.7 69 <u>-5 39-2 33</u> -6	29-2 0- 1-2
3 -11.609 -19.388 1030.87050 -58.7 8.	4 -82.8 31.6	7.23749 0.850	-89.8 68.8 40.0 31.8	21.9 23.10310 2-3
			-89.8 69.9 38.4 34.1 -91.7 70.2 38.4 35.5	
5 -12.561 -18.080 1057.22893 -57.5 9.6 -12.562 -19.227 1040.46800 -55.2 8.		7.30449 0.837	-91.6 69.1 40.0 33.2	27.8 33.88903 5- 6
7 -11.609 -19.388 1030.87050 -58.7 8.		7.23749 0.85C	-89.8 68.8 40.0 31.8	
	TAB NO	28 ATLAS	PHOTO NO 28	POD SEQUENCE NO 489
JULY 31,1964 13 HR 18 MIN 57 SEC 237 MS				
TRAJECTORY DATA	SEC TO IMPACT 411.562	ALT LAT 907.80090 -6.29	LON K 2 -29.769 2643.25	V PTH AZ 56 2.213 -70.336 116.247
PHOTO DATA PT LAT LON RANGE AZS/C AZ	N AZSUN AZA	A• B/A A	ZPHAZ INCO PHAZ EMIS	ALPHA SCALE PT-PT
2 -12.025 -18.781 1016.61937 -58.2 8.		7.13872 0.834	-90.7 69.4 39.2 33.5	29.2 0 1-2
3 -11.592 -19.401 1004.59669 -58.7 8.	4 -82.8 31.6	7.05303 0.851	-89.8 68.8 40.0 31.7 -89.8 69.9 38.4 34.1	
4 -11.576 -18.303 1020.49274 -60.8 8. 5 -12.520 -18.128 1030.22836 -57.5 9.			-89.8 69.9 38.4 34.1 -91.7 70.1 38.4 35.4	30.5. 29.03602 4- 5
	9 -63.4 33.2	7.11814 0.838	-91.6 69.0 40.0 33.1	27.7 33.00939 5- 6.
7 -11.592 -19.401 1004.59669 -58.7 8.	4 -82.8 31.6	7.053C3 0.851	-89.8 68.8 40.0 31.	7 27.9 28.49581 6-1
JULY 31,1964 13 HR 19 MIN 7 SEC 316 MS	TAB NO	29 ATLAS	S PHOTO NO 29	POD SEQUENCE NO 501
	SEC TO IMPACT	ALT LAT	LCN R	V PTH AZ
TRAJECTORY DATA	401.483	886.76944 -6.36	4 -29.671 2622.2	25 2.220 -70.231 116.226
PT LAT LON RANGE AZS/C AZ		A+ B/A A	ZPHAZ INCO PHAZ EMI	S ALPHA SCALE PT-PT 5 29.2 0. 1-2
2 -12.000 -18.809 993.69452 -58.2 8.		6.97774 0.834 6.89412 0.851	-90.7 69.4 39.2 33. -89.8 68.8 40.0 31.	
3 -11.578 -19.414 981.96246 -58.7 8.4 -11.562 -18.342 997.47501 -60.8 8.		7.00282 0.829		0 30.6 31.82995 3-4
5 -12.484 -18.171 1006.96555 -57.6 9.		7.06952 0.816	-91.7 70.1 38.5 35.	4 30.4 28.37223 4- 3
6 -12.485 -19.262 791.05875 -55.3 8	.9 -83.4 33.1	6.95762 0.838	-91.6 69.0 40.1 33. -89.8 68.8 40.0 31.	
7 -11.578 -19.414 981.96246 -58.7 8	.3 -82.8 31.6			. •
JULY 31,1964 13 HR 19 MIN 17 SEC 396 MS	TAB NO	30 ATLA	S PHOTO NO 30	POD SEQUENCE NO 513
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT	LCN R	V PTH AZ
	391.404	865.68808 -6.4	38 -29.471 2601.1	43 2.227 -70.125 116.205
PHOTO DATA PT LAT LON RANGE AZS/C A	ZN AZSUN AZA	A* B/A	AZPHAZ INCO PHAZ EMI	S ALPHA SCALE PT-PT
2 -11.975 -18.837 970.69495 -58.2 8	9 -83.2 31.8	6.81624 0.835	-90./ 69.4 39.3 33.	<u> </u>
3 -11.563 -19.428 959.25368 -58.7 8	.3 -82.8 31.6	6.73469 0.851 6.84070 0.829	-89.8 68.8 40.1 31. -89.8 69.8 38.4 34.	0 30.5 31.08137 3-4
	.9 -83.0 30.6 .5 -83.7 32.1	6.90568 0.816	-91.7 70.0 38.5 35.	3 30.4 27.70670 4-5
6 -12.449 -19.280 968.11824 -55.4 8	.9 -83.4 33.1	6.79657 0.838	-91.6 69.0 40.1 33.	0 27.7 31.48927 5-6
	.3 -82.8 31.6	6.73469 0.851	-89.8 68.8 40.1 31.	1 61.0 61.17310 0-1

				RA-VII CAMERA	P2			6
				TAB NO	31	ATLAS PHOTO NO	31	POD SEQUENCE NO 525
JULY 31,1964 13 HR	19 MIN 27	SEC 475	MS					
TRAJECTORY DATA				SEC TO IMPACT 381.324		LAT LCN -6.513 -29.318	R 7590 011	V PTH AZ 2.234 -70.017 116.184
PHOTO DATA	RANGE							
PT LAT LON 2 -11.950 -18.866	RANGE 947-62968	AZS/C -58.2	8.8	AZSUN AZA -83.2 31.8	4* 6.65427		PHAZ EMIS A 39.3 33.4	
3 -11.547 -19.442	936.47860	-58.7	8.3	-82.8 31.6	6.57479	0.852 -89.8 68.8	40.1 31.6	27.8 21.00183 2- 3
4 -11.532 -18.420 5 -12.411 -18.259	951.22491 960.22635	-60.8	8.9		6.67812		38.5 33.9	30.5 30.33175 3-4
6 -12.412 -19.298	945.11177	-57.6 -55.4	9.4 8.8	-83.7 32.1 -83.4 33.0	6.74138 6.63505		38.5 35.2 40.1 33.0	30.3 27.03980 4-5 27.7 30.72739 5-6
7 -11.547 -19.442	936.47860	-58.7	8.3		6.57479	0.852 -89.8 68.8	40.1 31.6	27.8 26.54237 6- 7
				TAB NO	32	ATLAS PHOTO NO	32	POD SEQUENCE NO 537
JULY 31,1964 13 HR	19 MIN 37	SEC 555	MS					
TRAJECTORY DATA				SEC TO IMPACT	ALT.	LAT LON .		V PTH AZ
PHOTO DATA				371.245	823.37195	-6.589 -29.162	2558.827	2.241 -69.908 116.162
PT LAT ION	RANGE	AZS/C	AZN	AZSUN AZA	A •	B/A AZPHAZ INCD		ALPHA SCALE PT-PT
2 -11.923 -18.690	924.52537	-58.3	8.8	-83.2 31.7	6.49203	0.835 -90.6 69.3	39.3 33.3	29.0 0. 1- 2
3 -11.530 -19.452 4 -11.515 -18.456	913.66237 928.03251	-58.8	8.8	-82.8 31.5 -83.0 30.6	6.41460 6.51530	0.852 -89.8 68.7 0.83C -89.8 69.7	40.1 31.6	27.8 20.48136 2- 3
5 -12.372 -18.299	736.76799	-57.6	9.4	-83.7 32.0	6.57683	0.818 -91.7 69.9	38.5 33.9	30.4 29.58432 3- 4 30.3 26.37133 4- 5
6 -12.373 -19.312 7 -11.530 -19.452	922.06226	-55.5	8.8	-83.4 33.0	6.47324	0.818 -91.7 69.9 0.839 -91.6 69.0	40.1 33.0	27.6 29.96780 5- 6
7 -11.530 -19.452	913.66237	-58.8	8.3	-82.8 31.5	6.41460	0.852 -89.8 68.7	40.1 31.6	27.8 25.88804 6- 7
JULY 31,1964 13 HR	19 MIN 45	SEC 954	MS	TAB NO	33	ATLAS PHOTO NO	33	POD SEQUENCE NO 547
TRAJECTURY DATA				SEC TO IMPACT	AL T	LAT LON	•	
				362.845			R . 2541.134	V PTH AZ 2.247 -69.815 116.144
PHOTO DATA PT LAT LCN	RANGE	AZS/C	A 7 N	AZSUN AZA	Δ.	B/A AZPHAZ INCD	PHAZ EMIS A	
2 -11.899 -18.910	905.22949	-58.3	8 . 8	-83.2 31.7		0.836 -90.6 69.3	39.3 33.3	LPHA SCALE PT-PT 29.0 0. 1-2
3 -11.515 -19.460	894.60545	-58.8	8.3	-82.9 31.5	6.28081	0.852 -89.8 68.7	40.1 31.6	27.8 20.04746 2- 3
4 -11.501 -18.485 5 -12.340 -18.332	908.66415	-60.8 -57.7	9.4	-83.0 30.6 -83.7 32.0	6.43942	0.831 -89.8 69.7 0.818 -91.7 69.9		30.4 28.96141 3- 4 30.2 25.81347 4- 5
6 -12.341 -19.323	902.81135	-55.5	8.8		6.33809	0.840 -91.6 69.0	40.1 32.9	30.2 25.81347 4- 5 27.6 29.33487 5- 6
7 -11.515 -19.460	894.60545	-58.8	8.3	-83.4 32.9 -82.9 31.5	6.28081	0.852 -89.8 68.7	40.1 31.6	27.8 25.34172 6- 7
JULY 31,1964 13 HR	19 MIN 52	SEC 674	<b>⊭</b> S	TAB NO	34	ATLAS PHOTO NO	34	POD SEQUENCE NO 555
TRAJECTORY DATA								
				SEC TO IMPACT	ALT	LAT ŁCN	R	V PTH A7
PHOTO DATA				SEC TO IMPACT 356.126	ALT 791.49768	LAT	R 2526.953	V PTH AZ 2.251 -69.741 116.129
PHOTO DATA PT LAT LON	RANGE	AZS/C		356.126	791.49768 A*	6.705 -28.924 B/A AZPHAZ INCD	2526.953	2.251 -69.741 116.129
PT LAT LON 2 -11.881 -18.924	RANGE 889.78660	AZS/C -58.3	AZN	356.126 AZSUN AZA	791.49768 A*	6.705 -28.924 B/A AZPHAZ INCD	2526.953	2.251 -69.741 116.129
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465	879.35145	->8.8	AZN 8.8 8.3	356.126 AZSUN AZA -83.2 31.7 -82.9 31.5	791.49768 A* 6.24810 6.17371	6.705 -28.924 B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6	2.251 -69.741 116.129 ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356	879.35145 893.16467 901.55366	-58.8 -60.9 -57.7	AZN 8.8 8.3 8.8 9.3	356.126 AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9	791.49768 A*	6.705 -28.924 B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8	2.251 -69.741 116.129 ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330	879.35145 893.16467 901.55366 887.40327	-58.8 -60.9 -57.7 -55.6	AZN 8.8 8.3 8.8 9.3 8.7	356.126  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9	A+ 6.24810 6.17371 6.27051 6.32946 6.22992	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.819 -91.7 69.9 0.84C -91.6 68.9	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9	2.251 -69.741 116.129  ALPHA SCALE PT-PT 29.0 0. 1- 2 27.8 19.70144 2- 3 30.4 28.46472 3- 4 30.2 25.36756 4- 5 27.6 28.83034 5- 6
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356	879.35145 893.16467 901.55366	-58.8 -60.9 -57.7	AZN 8.8 8.3 8.8 9.3	AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5	791.49768 A* 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.819 -91.7 69.9 0.840 -91.6 68.9 0.852 -89.8 68.7	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6	2.251 -69.741 116.129  ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.8 24.90474 6-7
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330	879.35145 693.16467 901.55366 887.40327 879.35145	-58.8 -60.9 -57.7 -55.6 -58.8	AZN 8.8 8.3 8.8 9.3 8.7 8.3	356.126  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9	A+ 6.24810 6.17371 6.27051 6.32946 6.22992	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.819 -91.7 69.9 0.84C -91.6 68.9	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9	2.251 -69.741 116.129  ALPHA SCALE PT-PT 29.0 0. 1- 2 27.8 19.70144 2- 3 30.4 28.46472 3- 4 30.2 25.36756 4- 5 27.6 28.83034 5- 6
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465	879.35145 693.16467 901.55366 887.40327 879.35145	-58.8 -60.9 -57.7 -55.6 -58.8	AZN 8.8 8.3 8.8 9.3 8.7 8.3	AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5	791.49768 A. 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.811 -89.8 69.7 0.819 -91.7 69.9 0.84C -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6	2.251 -69.741 116.129  ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.6 28.813034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.469 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR TRAJECTORY DATA	879.35145 693.16467 901.55366 887.40327 879.35145	-58.8 -60.9 -57.7 -55.6 -58.8	AZN 8.8 8.3 8.8 9.3 8.7 8.3	AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5	791.49768 A* 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371 35	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.819 -91.7 69.9 0.840 -91.6 68.9 0.852 -89.8 68.7	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35	2.251 -69.741 116.129  ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.8 24.90474 6-7
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR TRAJECTORY DATA	879.35145 893.16467 901.55366 887.40327 879.35145	-58.8 -60.9 -57.7 -55.6 -58.8 SEC 753	AZN 8.8 8.3 8.8 9.3 8.7 8.3	356.120  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046	791.49768 A* 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371 35	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.819 -91.7 69.9 0.84C -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO  LAT LCN -6.784 -28.761	2526.953  PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 31.6 35  R 2505.638	2.251 -69.741 116.129  LIPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46672 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31.1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.853 -18.949	879.35145 £93.16467 901.55366 887.40327 879.35145 20 MIN 2	-58.8 -60.9 -57.7 -55.6 -58.8 SEC 753	AZN 8.8 8.3 8.3 9.3 8.7 8.3	356.120  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6	791.49768  A. 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371 35  ALT 770.18231 A. 6.08466	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.819 -91.7 69.9 0.84C -91.6 68.9  ATLAS PHOTO NO  LAT LON -6.784 -28.761  B/A AZPHAZ INCD 0.836 -90.6 69.3	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35 R 2505.638 PHAZ EMIS A 39.3 33.2	2.251 -69.741 116.129  ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.853 -18.949 3 -11.485 -19.475	879.35145 193.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243	-58.8 -60.9 -57.7 -55.6 -58.8 SEC 753	AZN 8.8 8.3 8.7 8.7 8.3	356.126  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -02.9 31.4	791.49768  A. 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371 35  ALT 770.18231 A. 6.08466 6.01231	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.819 -91.7 69.9 0.84C -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO  LAT LON -6.784 -22.761  B/A AZPHAZ INCO 0.836 -90.6 69.3 0.852 -89.8 68.7	2526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35 R 2505.638 PHAZ EMIS A 39.3 33.2 40.1 31.5	2.251 -69.741 116.129  ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.17898 2-3
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.350 7 -11.503 -19.465  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.453 -18.949 3 -11.465 -19.475 4 -11.472 -18.541 5 -12.274 -18.396	879.35145 £93.16467 901.55366 887.40327 879.35145 20 MIN 2	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753	AZN 8.8 8.3 8.7 8.7 8.3	356.120  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6	791.49768 A • 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371 35 ALT 770.18231 A • 6.08466 6.01231 6.10649	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.819 -91.7 69.9 0.84C -91.6 68.9 ATLAS PHOTO NO  LAT LON -6.784 -28.761  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7  C.831 -89.7 69.6	7626-953 PHAZ EMIS A 39-3 33-3 40-1 31-6 38-5 35-1 40-1 32-9 40-1 31-6 35 R 2505-638 PHAZ EMIS A 39-3 33-2 40-1 31-5 38-5 33-2 40-1 31-5 38-5 33-2 40-1 31-5 38-5 33-2	2.251 -69.741 116.129  LLPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46672 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 2-90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  LPHA SCALE PT-PT LLPHA SCALE PT-PT 27.8 19.17898 2-3 30.3 27.71411 3-4
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.541 5 -12.274 -18.396 6 -12.275 -19.344	879.35145 993.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243 869.80161 877.94671 864.18246	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -60.9 -57.8	AZN 8.8 8.3 8.8 9.3 8.7 8.3 MS	356.120  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -83.0 30.5 -83.7 31.9 -83.5 32.8	791.49768  A • 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371 35  ALT 770.18231  A. 6.08466 6.01231 6.10649 6.16373 6.066690	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 69.7 0.831 -89.8 69.7 0.899 -17.7 69.9 0.84C -91.6 68.9 0.852 -89.8 68.7 ATLAS PHOTO NO  LAT LON -6.784 -28.761  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 (-831 -89.7 69.6 0.819 -91.6 69.8 0.84C -91.6 69.8	7526-953 PHAZ EMIS A 39-3 33-3 40-1 31-6 38-5 35-1 40-1 31-6 35  R 2505-638 PHAZ EMIS A 39-3 33-2 40-1 31-5 38-5 35-0 40-1 31-5 38-5 35-0 40-1 32-9 40-1 32-9	2.251 -69.741 116.129  LIPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46672 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 29.9047 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  LPHA SCALE PT-PT LPHA SCALE PT-PT LPHA SCALE PT-PT 27.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.69570 4-5 30.2 24.69570 4-5
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.350 7 -11.503 -19.465  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.453 -18.949 3 -11.465 -19.475 4 -11.472 -18.541 5 -12.274 -18.396	879.35145 993.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243 869.80161 477.94671	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -60.9 -57.8	AZN 8.8 8.3 8.8 9.3 8.7 8.3 MS	356.120  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -82.9 31.4 -83.0 30.5 -83.7 31.9	791.49768  A	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 69.7 0.831 -89.8 69.7 0.899 -17.7 69.9 0.84C -91.6 68.9 0.852 -89.8 68.7 ATLAS PHOTO NO  LAT LON -6.784 -28.761  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 (-831 -89.7 69.6 0.819 -91.6 69.8 0.84C -91.6 69.8	7526-953 PHAZ EMIS A 39-3 33-3 40-1 31-6 38-5 35-1 40-1 31-6 35  R 2505-638 PHAZ EMIS A 39-3 33-2 40-1 31-5 38-5 35-0 40-1 31-5 38-5 35-0 40-1 32-9 40-1 32-9	2.251 -69.741 116.129  ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.8 24.90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  ALPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.99570 4-5
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.546 5 -12.274 -18.396 6 -12.275 -19.344 7 -11.485 -19.475	879.35145 993.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243 869.80161 877.94671 864.18246 856.36243	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -57.8 -55.7 -58.9	AZN 8.8 8.3 8.3 9.3 8.7 8.2 8.2 9.3 8.2	AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO [MPACT 346.046  AZSUN AZA -83.2 31.6 -82.9 31.4 -83.0 30.5 -83.7 31.9 -83.5 32.8 -82.9 31.4	791.49768 A• 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371 35 ALT 770.18231 A• 6.08466 6.01231 6.106490 6.16373 6.06690	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.831 -89.8 69.7 0.852 -89.8 68.7  ATLAS PHOTO NO  LATCN _6.784 -28.761  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.851 -89.7 69.6 0.864 -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO  ATLAS PHOTO NO	7526-953 PHAZ EMIS A 39-3 33-3 40-1 31-6 38-5 35-1 40-1 31-6 35  R 2505-638 PHAZ EMIS A 39-3 33-2 40-1 31-5 38-5 35-0 40-1 31-5 38-5 35-0 40-1 32-9 40-1 32-9	2.251 -69.741 116.129  LIPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46672 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 29.9047 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  LPHA SCALE PT-PT LPHA SCALE PT-PT LPHA SCALE PT-PT 27.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.69570 4-5 30.2 24.69570 4-5
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.541 5 -12.274 -18.396 6 -12.275 -19.344	879.35145 993.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243 869.80161 877.94671 864.18246 856.36243	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -57.8 -55.7 -58.9	AZN 8.8 8.3 8.3 9.3 8.7 8.2 8.2 9.3 8.2	AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO [MPACT 346.046  AZSUN AZA -83.2 31.6 -83.2 31.6 -83.2 31.6 -83.2 31.6 -83.9 31.4 -83.0 30.5 -83.7 31.9 -83.5 32.8 -82.9 31.4  TAB NO	791.49768  A	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.831 -89.8 69.7 0.840 -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO  LAT LCN -6.784 -28.761 B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.7 69.6 0.840 -91.6 68.9 0.852 -89.8 68.7 ATLAS PHOTO NO	7526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35  R 2505.638 PHAZ EMIS A 39.3 33.2 40.1 31.5 38.5 33.8 38.5 35.0 40.1 32.9 40.1 31.5	2.251 -69.741 116.129  LPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  LPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.69570 4-5 27.6 28.06794 5-6 27.8 24.2655 6-7  POD SEQUENCE NO 575
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR  PHOTC DATA PT LAT LON 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.541 5 -12.274 -18.396 6 -12.275 -19.344 7 -11.485 -19.475  JULY 31,1964 13 HR  TRAJECTORY DATA	879.35145 993.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243 869.80161 877.94671 864.18246 856.36243	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -57.8 -55.7 -58.9	AZN 8.8 8.3 8.3 9.3 8.7 8.2 8.2 9.3 8.2	AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -82.9 31.4 -83.0 30.5 -83.7 31.9 -83.5 32.8 -82.9 31.4  TAB NO	791.49768  A • 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371  35  ALT 770.18231 A • 6.08466 6.01231 6.106490 6.01231 36	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.831 -89.8 68.7  ATLAS PHOTO NO  LAT LON -6.784 -28.761  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7  C.831 -89.7 69.6 0.840 -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO	2526.953  PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35  R 2505.638  PHAZ EMIS A 39.3 33.2 40.1 31.5 38.5 33.8 40.1 31.5 38.5 33.8 6 40.1 32.9 40.1 31.5	2.251 -69.741 116.129  LIPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46672 3-4 30.2 25.36756 4-5 27.6 28.81034 5-6 27.8 29.9047 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  LIPHA SCALE PT-PT 27.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.69570 4-5 27.6 26.06794 5-6 27.8 24.24658 6-7
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR  PHOTE DATA PT LAT LON 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.541 5 -12.274 -18.396 6 -12.275 -19.344 7 -11.485 -19.475	879.35145 993.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 866.36243 869.80161 877.9461 877.9461 877.9461 877.9461	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -60.9 -57.9 -57.9 -57.9 -58.9	AZN 8.8 8.3 8.3 9.3 7 8.7 8.7 8.7 8.7 8.8 8.7 8.7 8.7 8.7 8	356.120  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -83.7 31.9 -83.5 32.8 -83.7 31.9 -83.5 32.8 -83.7 31.4  TAB NO  SEC TO IMPACT 339.327	791.49768 A	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.831 -89.8 69.7 0.840 -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO  LAT LON 0.836 -90.6 69.3 0.852 -89.8 68.7 0.819 -91.6 69.8 0.819 -91.6 69.8 0.819 -91.6 69.8 0.819 -91.6 69.8 0.819 -91.6 69.8 0.852 -89.8 68.7  ATLAS PHOTO NO	7526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35  R 2505.638 PHAZ EMIS A 39.3 33.2 40.1 31.5 38.5 33.8 38.5 35.0 40.1 32.9 40.1 31.5 36	2.251 -69.741 116.129  LPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  LPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.69570 4-5 27.8 24.2658 6-7  POD SEQUENCE NO 575  V PTH AZ 2.264 -69.550 116.090
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.541 5 -12.274 -18.396 6 -12.275 -19.344 7 -11.485 -19.475  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.485 -19.475	879.35145 99.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 866.36243 869.80161 477.94617 844.18246 856.36243 20 MIN 9	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -60.9 -57.8 -55.7 -58.9 SEC 473	AZN 8.8 8.3 9.3 9.3 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7	356.120  AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -83.7 31.9 -83.5 32.8 -83.7 31.9 -83.5 32.8 -83.7 31.4  TAB NO  SEC TO IMPACT 339.327	791.49768 A	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.831 -89.8 69.7 0.831 -89.8 69.7 0.840 -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO  LAT LON 0.836 -90.6 69.3 0.852 -89.8 68.7 0.819 -91.6 69.8 0.819 -91.6 69.8 0.819 -91.6 69.8 0.819 -91.6 69.8 0.819 -91.6 69.8 0.852 -89.8 68.7  ATLAS PHOTO NO	7526.953 PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35  R 2505.638 PHAZ EMIS A 39.3 33.2 40.1 31.5 38.5 33.8 38.5 35.0 40.1 32.9 40.1 31.5 36	2.251 -69.741 116.129  LPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  LPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.69570 4-5 27.8 24.2658 6-7  POD SEQUENCE NO 575  V PTH AZ 2.264 -69.550 116.090
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA PL LON 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.541 5 -12.274 -18.396 6 -12.275 -19.344 7 -11.485 -19.475  JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA PT LAT LON 2 -11.835 -18.948 3 -11.485 -19.475	879.35145 93.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243 869.80161 877.94671 184.18246 856.36243 20 MIN 9	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -57.8 -55.7 -58.9 SEC 473	AZN 8.8 8.3 8.3 8.3 8.3 8.3 8.2 8.3 8.2 8.2 8.3 8.2 8.3 8.3	356.120  AZSUN AZA -83.2 31.7 -83.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -83.0 30.5 -83.7 31.9 -83.5 32.8 -d2.9 31.4  TAB NO  SEC TO IMPACT 346.046	791.49768  A • 6.24810 6.17371 6.27051 6.32946 6.22992 6.17371 35  ALT 770.18231 A • 6.06490 6.01231 36  ALT 755.94211 5.97508 5.90412	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.836 -90.8 69.7 0.831 -89.8 69.7 0.831 -89.8 69.7 ATLAS PHOTO NO  LAT LON -6.836 -90.6 69.3 0.852 -89.8 68.7 ATLAS PHOTO NO  LAT LON -6.836 -90.6 69.3 0.852 -89.8 68.7 ATLAS PHOTO NO  LAT LON -6.831 -89.7 69.6 0.819 -91.6 69.8 0.84C -91.6 69.8 0.852 -89.8 68.7 ATLAS PHOTO NO  LAT LON -6.838 -28.651  B/A AZPHAZ INCD 0.837 -90.6 69.3 0.853 -89.8 68.7	7526.953 PHAZ EMIS A 38.5 33.8 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35  R 2505.638 PHAZ EMIS A 39.3 33.2 40.1 31.5 35.0 40.1 31.5 36.8 38.5 35.0 40.1 31.5 36.8 38.5 35.0 40.1 31.5 36.8 38.5 35.0 40.1 31.5 36.8 38.5 35.0 40.1 31.5 36.8 38.5 35.0 40.1 31.5 36.8 38.5 35.0 40.1 31.5 36.8 39.3 33.2 40.1 31.5 36.8 39.3 33.2 40.1 31.5 36.8 39.3 33.2 40.1 31.5 36.8 39.3 33.2 40.1 31.5 36.8 39.3 33.2 40.1 31.5 36.8 39.3 33.2 40.1 31.5 36.8 39.3 33.2 40.1 31.5 36.8 39.3 33.2 40.1 31.5 36.8 39.3 33.2 40.1 31.5 31.5 31.5 31.5 31.5 31.5 31.5 31	2.251 -69.741 116.129  LICPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46672 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  LICPHA SCALE PT-PT 2.7.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.99570 4-5 27.8 24.2658 6-7  POD SEQUENCE NO 575  V PTH AZ 2.264 -69.550 116.090  LICPHA SCALE PT-PT 27.8 24.2658 6-7  POD SEQUENCE NO 575
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.469 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.541 5 -12.274 -18.541 5 -12.274 -18.541 7 -11.485 -19.475  JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA TRAJECTORY DATA PHOTC DATA PT LAT LON 2 -11.835 -18.968 3 -11.473 -19.484 4 -11.460 -18.568 5 -12.248 -18.426 5 -12.248 -18.426 5 -12.248 -18.426	879.35145 93.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243 869.8016 877.94671 864.18246 856.36243 20 MIN 9	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -57.8 -55.7 -58.9 SEC 473	AZN 8.8 8.3 8.8 8.8 9.7 3 8.3 2 N.7 2 8.8 8.2 4 2 N.7 2 8.8 8.2 MS	AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -82.9 31.4 -83.0 30.5 -83.7 31.9 -83.7 31.9  AZSUN AZA -83.2 31.6 -82.9 31.4 -83.0 30.5	791.49768  A • 6.24810 6.17371 6.27051 6.27051 32946 6.22992 6.17371 35  ALT 770.18231 A • 6.08466 6.01231 6.06690 6.01231 36  ALT 755.94211 5.99651 5.90412 5.99651 6.05260	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 69.7 0.831 -89.8 69.7 0.831 -89.8 69.7  ATLAS PHOTO NO  LAT LON -6.784 -28.761  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7  C.831 -89.7 69.6 0.819 -91.6 68.9 0.852 -89.8 68.7  ATLAS PHOTO NO  LAT LON -6.838 -28.6 68.7  ATLAS PHOTO NO  LAT LON -6.837 -90.6 69.3 0.852 -89.8 68.7  ATLAS PHOTO NO	2526.953  PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35  R 2505.638  PHAZ EMIS A 39.3 33.2 40.1 31.5 38.5 33.8 40.1 31.5 36  R 2491.397  PHAZ EMIS A 39.3 33.2 40.1 31.5 36	2.251 -69.741 116.129  LPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46472 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.627 116.106  LPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.69570 4-5 27.6 28.06794 5-6 27.8 26.2656 6-7  POD SEQUENCE NO 575  V PTH AZ 2.264 -69.550 116.090  LPHA SCALE PT-PT 2.264 -69.550 116.090  LPHA SCALE PT-PT 0. 2.264 -69.550 116.090  LPHA SCALE PT-PT 0. 2.264 -69.550 116.090  LPHA SCALE PT-PT 0. 2.264 -69.550 116.090  LPHA SCALE PT-PT 2.264 -69.550 116.090  LPHA SCALE PT-PT 2.264 -69.550 116.090  LPHA SCALE PT-PT 2.264 -69.550 116.090
PT LAT LON 2 -11.881 -18.924 3 -11.503 -19.465 4 -11.489 -18.506 5 -12.314 -18.356 6 -12.315 -19.330 7 -11.503 -19.465  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.853 -18.949 3 -11.485 -19.475 4 -11.472 -18.541 5 -12.274 -18.396 6 -12.275 -19.344 7 -11.485 -19.475  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.485 -19.475  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -11.835 -19.475	879.35145 993.16467 901.55366 887.40327 879.35145 20 MIN 2 RANGE 866.51098 856.36243 869.80161 877.94671 864.18246 856.36243 20 MIN 9	->8.8 -60.9 -57.7 -55.6 -58.8 SEC 753 AZS/C -58.4 -58.9 -57.8 -55.7 -58.9 SEC 473	AZN 8.8 8.3 8.8 8.8 9.7 3 8.3 2 N.7 2 8.8 8.2 4 2 N.7 2 8.8 8.2 MS	AZSUN AZA -83.2 31.7 -82.9 31.5 -83.0 30.5 -83.7 31.9 -83.5 32.9 -82.9 31.5  TAB NO  SEC TO IMPACT 346.046  AZSUN AZA -83.2 31.6 -82.9 31.4  TAB NO  SEC TO IMPACT 399.327  AZSUN AZA -83.2 31.6 -82.9 31.4  TAB NO	791.49768 A	6.705 -28.924  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 69.7 0.831 -89.8 69.7 0.831 -89.8 69.7 0.852 -89.8 68.7 ATLAS PHOTO NO  LAT LON -6.784 -28.761  B/A AZPHAZ INCD 0.836 -90.6 69.3 0.852 -89.8 68.7 0.819 -91.6 69.8 0.84C -91.6 69.8 0.84C -91.6 68.9 0.852 -89.8 68.7 ATLAS PHOTO NO  LAT LON -6.831 -89.7 69.6 0.817 -90.6 69.8 0.847 -90.6 69.8 0.847 -90.6 69.8 0.847 -90.6 69.8 0.852 -89.8 68.7 ATLAS PHOTO NO	7526.953  PHAZ EMIS A 39.3 33.3 40.1 31.6 38.5 33.8 38.5 35.1 40.1 32.9 40.1 31.6 35  R 2505.638  PHAZ EMIS A 39.3 33.2 40.1 31.5 38.5 33.6 8 249.1 31.5 36  R 249.1 31.5 36  R 249.1 31.5 36	2.251 -69.741 116.129  LICPHA SCALE PT-PT 29.0 0. 1-2 27.8 19.70144 2-3 30.4 28.46672 3-4 30.2 25.36756 4-5 27.6 28.83034 5-6 27.8 24.90474 6-7  POD SEQUENCE NO 567  LICPHA SCALE PT-PT 2.7.8 19.17898 2-3 30.3 27.71411 3-4 30.2 24.99570 4-5 27.8 24.2658 6-7  POD SEQUENCE NO 575  V PTH AZ 2.264 -69.550 116.090  LICPHA SCALE PT-PT 27.8 24.2658 6-7  POD SEQUENCE NO 575

			RA-VII	CAMERA	P2							7
			TA	AB NO	37	ATLAS	РНОТО	NO	37	POD SE	QUENCE NO	583
JULY 31,1964 13 HR	20 MIN 16 SEC	192 MS										_
TRAJECTORY DATA			SEC TO 11 332.6	PPACT 07	ALT 741.67783	LAT -6.89	LON 2 -28.5	i 40	R 2477-133	V 2.269	PTH A 69.473 116	.074
PHOTO DATA	RANGE AZ		AZSUN	A7 A	Δ.	A	70HA7 1	NCD P	HAZ EMIS	AL PHA	SCALE F	T-PT
PT LAT LON 2 -11.816 -18.987			-83.2		5.86527	0.837	-90.6 6	9.2 3	39.3 33.2	28.9	0.	1- 2
3 -11.461 -19.494	825.50801 -5	8.9 8.2	-82.9 -83.0	31.4	5.79569	0.853	-89.8 6	8.7 4	0.1 31.5	27.8	18.47600	2-3
4 -11.448 -18.595	838.43803 -6	0.9 6.7	-83.0	30.5	5.88630	0.832 -	-89.7 6	9.6 3	38.5 33.7 38.5 34.9	30.3 30.1	26.70317 23.79406	4-5
5 -12.222 -18.455 6 -12.223 -19.369	846.25703 -5 833.01821 -5		-83.7 -83.5	31.8	5.94125	0.841	-91.6	8.9.4	0.1.32.8	27.6	27.04113	5- 6
7 -11.461 -19.494	825.50801 -5	8.9 8.2	-82.9	31.4	5.79569	0.853	-89.8	8.7 4	0.1 31.5	27.8	23.36348	6- 7
			T	AB NO	38	ATLAS	РНОТО	NO	38	POD SI	QUENCE NO	591
JULY 31,1964 13 HR	20 MIN 22 SEC	3 912 MS										
TRAJECTORY DATA			SEC TO 1 325.8	MPACT 88	AL I 727.38901	-6.94	6 -58.	427	2462.844	2.274	PIH -69.395 110	6.058
PHOTO DATA	RANGE A	ZS/C AZN	AZ SUN	AZA	Δ.	H/A A	ZPHAZ	I NCD I	PHAZ EMIS	ALPHA	SCALE	
2 -11.798 -19.007	819.59982 -	58.4 8.7	-83.2		5.75524	0.837	~90.6	69.2 .	39.3 JJ.L	20.7	0.	1- 2
3 -11.449 -19.504	810.03245 -	58.9 8.2	-82.9	31.4	5.68704	0.853	-89.7	68.7	40.1 31.5	27.7	18.12410 26.19659	3- 4
4 -11.437 -18.621	822.70806 -	60.9 . H.7		30.5	5.82968	0.833	-89.7	49 6	38.5.33.7. 38.5.34.9		23.34256	4- 5
		57.8 9.2 55.8 8.6		31.8	5.73839	0.820	-91.6	68.9	40.1 32.8	27.6	26.52676	5- 6
6 -12.197 -19.381 7 -11.449 -19.504	810.03245	58.9 8.2		31.4	5.68704	0.853	-89.7	68.7	40.1 31.5		22.92124	6- 7
			т.	AB NO	39	ATI AS	РНОТО	NO	39	POD SI	EQUENCE NO	599
JULY 31,1964 13 HR	20 MIN 29 SE	C 631 MS										
			SEC TO I	NOAC T				N	R	v	PTH	AZ
TRAJECTORY DATA			319.1		713.07556	-7.CC	2 -28.	314	2448.531	2.279	-69.315 11	6.041
PHOTO DATA PT LAT LON	RANGE A	ZS/C AZN	AZSUN	AZA	Α.	B/A A	ZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	
2 -11.779 -19.026	803.89798 -	58.5 8.7		31.5	5.64499	0.838	-90.6	69.2	39.3.33.1	28.9	0	12
3 -11.437 -19.513	794.52366 -	59.0 8.2	-82.9	31.3	5.57816		-89.7	68.7	40.1 31.5	27.7 30.2	17.77186 25.68944	2- 3
4 -11.425 -18.648	806.94530 -	60 <b>.</b> 9 8.7	-83.0	30.5	5.66520 5.71788		-89.7 -91.6	69.5	38.5 33.6 38.5 34.8	30.2	22.89040	4-5
5 -12.169 -18.515		57.9 9.2 55.8 8.6	-83.7 -83.5	31.8 32.6	5.62844	0.841	-91.6		40.1 32.7		26.01186	5- 6
6 -12.170 -19.393 7 -11.437 -19.513			-82.9	31.3	5.57816		-89.7	68.7	40.1 31.5	27.7	22.47830	6- 7
1 -11:431 170313				AB NO	40	ATI A	s <b>РНОТО</b>	NO	40	POD S	EQUENCE NO	607
JULY 31,1964 13 HR	20 MIN 36 SE	C 351 MS		AB 140	40	AILA.	3 711010		~			
TRAJECTORY DATA			SEC TO .	[ MPACT	AL T	LAT	LC	IN	R	٧		AZ
			312.4		698.7373	4 -7.09	57 -28.	198	2434.193	2.284	-69.235 11	6.025
PHOTO DATA PT 1AT LON	RANGE A	ZS/C AZN	AZSUN	AZĀ	Δ.	B/A	ZPHAZ	INCC	PHAZ EMIS	ALPHA	SCALE	PT-PT
PT LAT LON 2 -11.760 -19.043	788.20261 -	58.5 B.7	-83.3		5.53477	0.838	-90.6	69.2	39.3 33.1	28.9	0.	1- 2
3 -11.426 -19.520	779.01838 -	9.0 8.2			5.46930		-89.7	68.7	40.1 31.5	27.7	17.42122 25.18478	2-3
4 -11.413 -18.672	791.19093 -	60.9 8.7			5.55460	0.833			38.5 33.6 38.5 34.8	30.2 30.0	22.43887	4-5
5 -12.143 -18.542		57.9 9.2		31.8	5.60616 5.51852				40.1 32.7		25.49965	5- 6
6 +12.144 -19.403 7 -11.426 -19.520	786.06934 -	55.9 8.6 59.0 8.2			5.46930		-89.7	68.7	40.1 31.5	27.7	22.03565	6- 7
7 -11:420 -17:720	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,			41		s <b>Р</b> НОТО	NO	41	POD 9	SEQUENCE NO	617
JULY 31,1964 13 HF	20 MIN 44 SE	C 751 MS		TAB NO	*1	A1LA	S FROID		→•			
TRAJECTORY DATA			SEC TO	[ MPAC T	AL T	LAT	L	ON	R	٧		AZ
				049	680.7793	3 -7.1	28 -28	052	2416.23	5 2.291	-69.134 1	16.003
PHOTO DATA PT LAT LON	RANGE A	AZS/C AZN	AZSUN	Δ7Δ	Α.	n/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
PT LAT LUN 2 -11.737 -19.063					5.39665	0.838	-90.6	69.2	39.3 33.1	28.9	16.98210	1- 2
3 -11.411 -19.529	759.58546 -	-59.0 8.2	-82.9	31.3	5.33286	0.853	-89.7	68.7	40.1 31.4	27.7	16.98210	2- 3 3- 4
4 -11.399 -18.702	771.44682 -	-60.9 8.7	-83.0	30 • <u>5</u>	5.41598	0.833	-89.7 -91.6	69.5	38.5 33.6 38.5 34.8	30.2	24.55279	
5 -12-110 -18-575		-51.9 9.2	-83.7 -83.5	21.1	5.46614 5.38076		-91.6		40.1 32.7		24.85823	5- 6
6 -12.111 -19.415 7 -11.411 -19.529			-82.9	32.5	5.33286	0.853	-89.7	68.7	40.1 31.4		21.48137	6- 7
7 -11.411 -14.524	134136340	77.0					S PHOTO				SEQUENCE N	0 623
JULY 31,1964 13 H	R 20 MIN 49 SE	EC 790 MS										
TRAJECTORY DATA			SEC TO	EMPACT	ALT	LAT	11 -27	0N - 944	R 2405.44	V 1 2-29	PTH 5 -69.073 1	AZ 15.990
PHOTO DATA											SCALE	
PT LAT LON	RANGE		AZ SUN	AZA	A+ 5 3139/	B/A	AZPHAZ	INCD	PHAZ EMIS	28.9	0.	1- 2
2 -11.723 -19.073 3 -11.40? -19.532	130.13707	-58.6 8.6 -59.0 8.2	-83.3 -82.9	31.4	5.25104	0.853	-89.7	68.7	39.3 33.0	27.7	16.72012	2- 3
3 -11.402 -19.532 4 -11.390 -18.717		-61.0 8.7	-83.0	30.5	5.33290	0.834	-89.7	69.5	40.1 31.4 38.5 33.5	30.2	24.17595	3-4
5 -12.090 -18.593 6 -12.091 -19.419	766.63028		-83.0 -83.7	31.7	5 2422	2 0.822	-91.6	69.6	38.5 34.1	30.0	21.53477	
6 -12.091 -19.419	754.68076		-83.5		5.2981	0.842	-91.6	68.8	40.1 32.7	27.5	21.14917	
7 -11.402 -19.532	747.93301	-59.0 8.7	-82.9	31.2	5.2510	0 0.033	-04.1	00.7	70.1 71.7			- '

			KA-VII C	CAMERA	P 2						8
			TA	AB NO	43	ATLAS PHOTO	NO NO	43	POD SE	QUENCE NO	631
JULY 31,1964 13 HK	20 MIN 56 SE	C 510 MS									
TRAJECTORY DATA			SEC TO IM 292.29	MPAÇT 90	ALT 655.57178	LAT LO	ON •844	R 2391.027	v 2.300 -		AZ 5.973
PHOTO DATA PT LAT LON	RANGE A	ZS/C AZN	AZ SUN	AZA	Δ+	B/A AZPHAZ	INCD	PHAZ EMIS	ΔΙ ΡΗΔ	SCALE	PT-PT
2 -11,704 -19,087	740.97564 -	58.6 8.6	-83.3 3	31.4	5.20314	0.838 +90.6	69.1	39.3 33.0	28.9	0.	1- 2
4 -11.378 -18.739	743.79128 -6	59.1 8.1 61.0 8.7	-83.0 3	31.2 30.4	5.14169 5.22183	0.834 -89.7	69.4	40.1 31.4 38.5 33.5	27.7 30.2	16.36983 23.67208	3-4
5 -12.063 -18.617 6 -12.064 -19.426	750.65116 -5			31.6 32.4	5.27004	0.822 -91.6 0.842 -91.6	69.6	38.5 34.7		21.08200	
7 -11.389 -19.536		59.1 8.1	-82.9 3	31.2	5.14169	0.853 -89.7	68.7	40.1 31.4		20.70516	6- 7
JULY 31,1964 13 HR	21 MIN 1 SEC	C 550 MS	TA	AB NO	44	ATLAS PHOTO	) NO	44	POD SE	QUENCE NO	637
TRAJECTORY DATA			SEC. 10.1	MPAC T	7 14	LAT II	ΠN	R	v	PTH	A 7
PHOTO DATA			287.25	50	644.74438	-7.273 -27	.753	2380.200	2.304 -	68.927 11	5.959
PT LAT LON		ZS/C AZN		AZA	A *			PHAZ EMIS		SCALE	PT-PT
2 -11.690 -19.100 3 -11.380 -19.541	729.10233 -1 720.62484 -1	58.6 8.6 59.1 8.1		31.4 31.2	5.11977 5.05933	0.839 -90.6 0.853 -89.7	69.1	39.3 33.0 40.1 31.4	28.9 27.7	0. 16.10556	1- 2
4 -11.369 -18.757	731.87373	61.0 8.7	83.0 3	30.4.	5.13816	0.83489.7.	69.4	38.5.33.5	30.1	23.29139	3- 4
5 -12.043 -18.637 6 -12.044 -19.433		58.0 9.1 56.0 8.5		31.6 32.4	5.18553 5.10459			38.5 34.7 40.1 32.7	30.0 27.5	20.74131 23.57851	4- 5 5- 6
7 -11.380 -19.541		59.1 8.1		31.2	5.05933			40.1 31.4		20.37097	6- 7
			TA	AB NO	45	ATLAS PHOTO	) NO	45	POD SE	QUENCE NO	647
JULY 31,1964 13 HR	21 MIN 9 SE	6949 MS									
TRAJECTORY DATA			SEC TO IM 278.85	MPACT 50	ALT 626.66656	LAT LI -7.347 -27	0N ∙600	R 2362.122	y 2.311 -		AZ 5.937
PHOTG DATA PT LAT LON	RANGE A	ZS/C AZN	AZ SUN	AZA	Α.			PHAZ EMIS			PT-PT
2 -11.666 -19.123	709.22968 -	58.7 8.6	83.3 3	31.3	4.98022	0.839 -90.6	69.1	39.3 33.0	28.8		1- 2
3 -11.365 -19.552 4 -11.354 -18.789	700.99107 -	59.1 8.1 61.0 8.6		31.2 30.4	4.92149	0.854 -89.7		40.1 31.4 38.5 33.5	27.7 30.1	15.66253 22.65269	2- 3
5 -12.010 -18.673	718.46875 -	58.1 9.1		31.6	5.04409	0.823 -91.6		38.5 34.6	29.9	20.1/120	4-5
6 -12.011 -19.447 7 -11.365 -19.552	707.28599 -	56.1 8.5 59.1 8.1		32.3 31.2	4.96543 4.92149	0.842 -91.6 0.854 -89.7		40.1 32.6		22.93062	5- 6 6- 7
1 -11.300 -14.005											
	700177107										
JULY 31,1964 13 HR				AB NO	46	ATLAS PHOTO		46		QUENCE NO	
			TA SEC TO IM	MPACT	<b>46</b>	ATLAS PHOTO	<b>NO</b>	<b>46</b>	POD SE	QUENCE NO	655
JULY 31,1964 13 HR TRAJECTORY DATA PHOTE DATA	: 21 MIN 16 SE	C 669 MS	TA SEC TO IM 272-12	MPACT	46 ALT 612.17465	LAT L 7.406 -27	ON 476	46 R 2347.630	POD SE	PTH -68.736 11	655 AZ 5.918
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.647 -19.142	RANGE A. 693.28670	C 669 MS ZS/C AZN 58.7 8.6	SEC TO IM 272.13	MPACT	ALT 612.17465	LAT L 7.406 -27	ON .476	R 2347.630 PHAZ EMIS 39.3 33.0	POD SE	PTH -68.736 11 SCALE	AZ 5.918 PT-PT 1- 2
JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561	RANGE A 693.28670 - 685.23920 -	ZS/C AZN 58.7 8.6 59.2 8.1	TAI SEC TO IM 272-14 AZSUN -83-3 -82-9	MPACT 31 AZA 31.3 31.1	ALT 612-17465 A# 4.86827 4.81090	LAT L 7.406 -27 B/A AZPHAZ 0.839 -90.6 0.854 -89.7	ON .476 INCD 69.1 68.6	R 2347.630 PHAZ EMIS 39.3 33.0 40.1 31.4	V 2.316 -	PTH -68.736 11 SCALE 0. 15.30732	AZ 5.918 PT-PT 1- 2 2- 3
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.647 -19.142	RANGE A. 693.28670 - 685.2392U - 695.2158 -	C 669 MS ZS/C AZN 58.7 8.6	XEC TO IM 272-13 AZ SUN -83-3 3 -82-9 3 -83-0 3	MPACT 31. AZA 31.3 31.1 30.4	ALT 612.17465 A# 4.86827	LAT L 7.406 -27 B/A AZPHAZ 0.839 -90.6 0.854 -89.7 0.834 -89.7	ON .476 INCD 69.1 68.6	R 2347.630 PHAZ EMIS 39.3 33.0 4C.1 31.4 38.5 33.5	POD SE	PTH -68.736 11 SCALE 0. 15.30732 22.14066	AZ 5.918 PT-PT 1- 2 2- 3 3- 4
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.983 -18.702 6 -11.994 -19.459	RANGE A. 693.28670 - 695.92156 - 702.30710 - 691.38331 - 691.3831 - 6	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 58.1 9.1 56.1 8.5	AZ SUN -83.3 3 -82.9 3 -83.0 3 -83.6 3 -83.6 3	AB NO  MPACT  31  AZA  31.3  31.1  30.4  31.6  32.3	ALT 612-17465 A# 4.86827 4.81090 4.88576 4.93063 4.85378	### ATLAS PHOTO  LAT	ON .476 INCD 69.1 68.6 69.4 59.5 8.8	R 2347.630 PHAZ EMES 39.3 33.0 40.1 31.4 38.5 33.5 38.5 34.6 40.1 32.6	POD SEC V 2.316 - ALPHA 28.8 27.7 30.1 29.9 27.5	PTH -68.736 11 SCALE 0. 15.30732 22.14066 19.71409 22.41129	AZ 5.918 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.983 -18.702	RANGE A. 693.28670 - 695.92156 - 702.30710 - 691.38331 - 691.3831 - 6	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 58.1 9.1	XEC TO IM 272-13 AZ SUN -83-3 -82-9 -83-0 -83-6 -83-6 -83-6 -83-6 -83-6	AZA 31.3 31.1 30.4 31.6 32.3 31.1	ALT 612.17465 A* 4.86827 4.81090 4.88576 4.93063 4.85378 4.81090	LAT L 7.406 -27 B/A AZPHAZ 0.839 -90.6 0.854 -89.7 0.834 -89.7 0.823 -91.6 0.823 -91.6 0.854 -89.7	ON .476 INCD 69.1 68.6 69.4 59.5 8.8 68.6	R 2347.630 PHAZ EMIS 39.3 33.0 4C.1 31.4 38.5 34.6 4C.1 32.6 4O.1 31.4	POD SEC V 2.316 - ALPHA 28.8 27.7 30.1 29.9 27.5 27.7	PTH -68.736 11 SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.36368	AZ 5.918 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.983 -18.702 6 -11.994 -19.459	RANGE A 693.28670 695.23920 695.23920 695.23920 695.23920 691.38331 691.38331 685.23920 691.38331 691.38311	ZS/C AZN 58.7 8.6 58.7 8.6 58.1 9.1 56.1 8.5 56.1 8.5	XEC TO IM 272-13 AZ SUN -83-3 -82-9 -83-0 -83-6 -83-6 -83-6 -83-6 -83-6	AB NO  MPACT  31  AZA  31.3  31.1  30.4  31.6  32.3	ALT 612-17465 A# 4.86827 4.81090 4.88576 4.93063 4.85378	### ATLAS PHOTO  LAT	ON .476 INCD 69.1 68.6 69.4 59.5 8.8 68.6	R 2347.630 PHAZ EMES 39.3 33.0 40.1 31.4 38.5 33.5 38.5 34.6 40.1 32.6	POD SEC V 2.316 - ALPHA 28.8 27.7 30.1 29.9 27.5 27.7	PTH -68.736 11 SCALE 0. 15.30732 22.14066 19.71409 22.41129	AZ 5.918 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.983 -18.702 6 -11.994 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE A 693.28670 695.23920 695.23920 695.23920 695.23920 691.38331 691.38331 685.23920 691.38331 691.38311	ZS/C AZN 58.7 8.6 58.7 8.6 58.1 9.1 56.1 8.5 56.1 8.5	XEC TO IM 272-13 AZ SUN -83-3 -82-9 -83-0 -83-6 -83-6 -83-6 -83-6 -83-6	AB NO  MPACT 31  AZA 31-3 31-1 30-4 31-6 32-3 31-1 AB NO	ALT 612.17465 A. 4.86827 4.86827 4.81090 4.88576 4.93063 4.85378 4.81090	ATLAS PHOTO  LAT L 7.406 -27  8.406 -27  8.406 -27  8.839 -90.6  0.854 -89.7  0.823 -91.6  0.843 -91.6  0.854 -89.7  ATLAS PHOTO	ON476 INCD69.1 68.6 69.4 59.5 8.8 68.6 NO	2347.633 PHAZ EMIS 39.3 33.0 4C.1 31.4 38.5 33.5 4C.1 32.6 4C.1 32.6	POD SE	PTH -68.736 11 SCALE 0. 15.30732 22.14066 122.41129 19.30368 QUENCE NO	AZ 5.918 PT-PT 1-22-3 3-4-5 5-6-7 0 663
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.984 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA	RANGE A 693.28670 685.23920 695.92156 702.30710 702.30710 691.38331 685.23920 21 MIN 23 SE	ZS/C AZN 58-7 8-6 59-2 8-1 61-0 8-6 59-1 8-5 59-1 8-5 59-2 8-1 C 388 MS	TA  SEC TO IM 272-12  AZ SUN -83-3 -82-9 -83-0 -83-0 -83-6 -82-9 TA	AZA 31.3 31.1 32.3 31.1 AB NO	ALT 612.17465 A. 86827 4.81090 4.88576 4.93063 4.85378 4.81090 47	LAT L 7.106 -27  WAA AZPHAZ 0.839 -90.6 0.854 -89.7 0.834 -89.7 0.823 -91.6 0.823 -91.6 0.854 -89.7 ATLAS PHOTO	ON .476 INCD 69.1 68.6 69.4 19.5 8.8 68.6 NO	R 2347.630 PHAZ EMIS 39.3 33.0 40.1 31.4 38.5 33.5 40.1 32.6 40.1 31.4 47	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 21.930368 QUENCE NO  PTH -68.650 11	AZ 5.918 PT-PT 1-2-3-3-4 4-5-5-6-7 0 663
JULY 31,1964 13 HR  TRAJECTORY BATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.983 -18.702 6 -11.984 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.028 -19.161	RANGE A 693.26670 685.23920 695.92156 702.30710 702.30710 695.23920 21 MIN 23 SE	ZS/C AZN 58-7 8-6 59-2 8-1 61-0 8-6 59-1 9-1 56-1 8-5 59-2 8-1 C 388 MS	TAI SEC TO IM 272-18  AZ SUN -83-3 -82-9 -83-7 -83-6 -82-9 TA	AB NO  MPACT 31  AZA 31-3 31-1 30-4 31-6 32-3 31-1 AB NO	ALT 612.17465 A. 4.86827 4.81090 4.89576 4.93063 4.85378 4.81090 47	LAT L 7.106 -27  WAA AZPHAZ 0.839 -90.6 0.854 -89.7 0.834 -89.7 0.823 -91.6 0.823 -91.6 0.854 -89.7 ATLAS PHOTO	ON .476 INCD 69.1 68.6 69.4 59.5 8.8 68.6 O NO EN .350 INCD	### R 2347.630  PHAZ EMIS 39.3 33.0 40.1 31.4 53.5 34.6 40.1 31.4 47  PHAZ EMIS	V 2.316 - ALPHA 20.8 27.7 30.1 29.9 27.5 27.7 POD SE	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 21.930368 QUENCE NO  PTH -68.650 11	AZ 5.918 PT-PT 1-22-3 3-4-5 5-6-7 0 663
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA  PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 5 -11.983 -18.702 6 -11.994 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.028 -19.161 3 -11.361 -19.570	RANGE A. 693.28670 695.92156 702.30710 691.38331 685.23920 21 MIN 23 SE	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 59.2 8.1 56.1 8.5 59.2 8.1 C 388 MS	TA  SEC TO IM 272-13  AZ SUN -83-3 -82-9 -83-0 -83-6 -82-9  TA  SEC TC IM 265-41  AZ SUN -83-3 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9 -83-7 -83-8	AZA 31.3 31.1 430.4 31.6 32.3 31.1 AB NO	ALT 612-17465 A* 4.86827 4.81090 4.88578 4.83078 4.81090 47 ALT 597.65666 4.70005	### ATLAS PHOTO  LAT	ON .476 INCD 69.1 68.6 69.4 59.5 8.8 68.6 O NO .350 INCD 69.1 68.6	R 2347.633 PHAZ EMIS 39.3 33.0 040.1 31.4 38.5 34.6 40.1 32.6 40.1 31.4 47  R 2333.112 PHAZ EMIS 39.3 32.9 40.1 31.4	POD SECOND SECON	PTH -68.650 11 SCALE 0. 15.30732 22.14066 19.71409 19.30368 QUENCE NO PTH -68.650 11 SCALE 0. 14.95168	AZ 5.918 PT-PT 1-2-3 3-4-5-6-7 6-7 663 AZ 5.899 PT-PT 1-2-2-2-3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 5 -11.983 -18.702 6 -11.984 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTC DATA PT LAT LON 2 -11.628 -19.161 3 -11.364 -19.570 4 -11.330 -18.842	RANGE A. 693.28670 645.23920 695.2215 702.30710 691.38331 685.23920 21 MIN 23 SE	ZS/C AZN 554.7 8.6 554.2 8.1 61.0 8.6 554.1 9.1 56.1 4.5 56.2 8.1 C 348 MS	ZEC TO IM 272-15  AZ SUN -83-3 -82-9 -83-0 -83-6 -82-9  TA  SEC TC IM 265-41  AZ SUN -83-3 -82-9 -83-6 -82-9 -83-6 -83-3 -83-83-6 -83-3	MPACT  AZA  31.3  31.1  30.4  31.6  32.3  31.1  AB NO  MPACT  MPACT  AZA  31.3  31.1  30.4	46 ALT 612.17465 A* 4.86827 4.81090 4.88576 4.93063 4.85378 4.81090 47 ALT 597.65656 4.70005 4.77314	LAT L 7.406 -27 W.A AZPHAZ 0.839 -90.6 0.854 -89.7 0.823 -91.6 0.643 -91.6 0.654 -89.7 ATLAS PHOTO  LAT L -7.467 -27  B/A AZPHAZ 0.839 -90.6 0.654 -69.7 0.835 -89.7	ON .476 INCD 69.1 68.6 69.4 49.5 8.8 68.6 O NO  INCD 69.1 68.6 69.4 68.6 69.4 69.6 69.1 68.6 69.1 68.6	R 2347.630 PHAZ EMIS 39.3 33.0 40.1 31.4 38.5 34.6 40.1 32.6 40.1 31.4 47  R 2333.112 PHAZ EMIS 39.3 32.9 40.1 31.4 8.5 33.3 32.9 40.1 31.4	POD SE(2) 21.77 POD SE(2) 2.322  ALPHA 27.77 POD SE(2) 27.77 POD SE(2) 27.77 POD SE(2) 27.77	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.36368 QUENCE NO  PTH -68.650 11  SCALE 0. 14.95168 21.62791	AZ 5.918 PT-PT 1- 2 2- 3 3- 4- 5 5- 6- 7 6- 7 6- 899 PT-PT 1- 2 2- 3 3- 4
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.983 -18.702 6 -11.984 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.628 -19.161 3 -11.341 -19.570 4 -11.330 -18.642 5 -11.957 -18.732 6 -11.958 -19.470	RANGE A. 693.26670 695.2218 702.30710 691.38331 685.23920 21 MIN 23 SEI  RANGE A. 677.30675 269.45015 279.88115 666.10884 675.44357 75.44357	ZS/C AZN 554.7 8.6 554.2 8.1 61.0 8.6 559.2 8.1 56.1 8.5 559.2 8.1 C 388 MS	TA  SEC TO IM 272-13  AZ SUN -83-3 -82-9 -83-0 -83-0 -83-6 -82-9  TA  SEC TC IM 255-41  AZ SUN -83-3 -82-9 -83-7 -83-6 -83-7 -83-7 -83-7 -83-7 -83-7	MPACT 31.3 31.1 30.4 31.3 31.1 30.4 31.3 31.1 4B NO	46 ALT 612-17-405 A* 4.86827 4.81090 4.88576 4.93063 4.85378 4.81090 47 ALT 557.65656 4.70005 4.715666 4.70005 4.74188	LAT L 8/A AZPHAZ 0.839 -90.6 0.854 -89.7 0.823 -91.6 0.843 -91.6 0.854 -89.7 ATLAS PHOTO  LAT L 7.467 -27 B/A AZPHAZ 0.839 -90.6 0.854 -89.7 0.823 -91.6 0.854 -89.7	ON .476 INCD 69.1 68.6 69.4 79.5 8.8 68.6 O NO INCD 69.1 68.6 69.3 69.3 69.5	### R 2347.630 PHAZ EMIS 39.3 33.0 40.1 31.4 38.5 33.6 40.1 32.6 40.1 31.4 47  PHAZ EMIS 39.3 33.112 PHAZ EMIS 39.3 32.9 40.1 31.4 48.5 34.6 40.1 32.6 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.36368 QUENCE NO  PTH -68.650 11  SCALE 0. 14.95168 21.62791 19.255220	AZ 5.918 PT-PT 1-2 2-3 3-4-5 6-7 663 AZ 5.899 PT-PT 1-2 2-3 3-4-5 5-6-7
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA  PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 5 -11.983 -18.702 6 -11.984 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.628 -19.161 3 -11.361 -19.570 4 -11.330 -18.642 5 -11.397 -18.732	RANGE A. 693.26670 695.23920 695.23920 695.23920 695.23920 695.23920 6965.23920 69.45015 6	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 59.2 8.1 56.1 8.5 59.2 8.1 C 388 MS	TAI SEC TO IM 272-13 AZ SUN -83-0 -83-0 -83-0 -83-0 -83-0 -83-7 -63-6 -82-9 TAI SEC TC IM 265-41 AZ SUN -83-3 -82-9 -83-7 -83-7 -83-7 -83-7 -83-7 -83-7	MPACT 31 AZA 331.1 30.4 31.6 32.3 31.1 AB NO  MPACT 11  AZA 31.3 31.1 30.4 31.3 31.1	ALT 612-174-05 4.86-827 4.810-90 4.885-76 4.930-63 4.810-90 47 ALT 597.65-65-6 4.700-65 4.713-14 4.816-91 4.713-14 4.816-91 4.710-05	TLAS PHOTO  LAT L  7.406 -27  8.40 AZPHAZ  0.839 -90.6  0.854 -89.7  0.823 -91.6  0.854 -89.7  ATLAS PHOTO  LAT L  7.467 -27  B/A AZPHAZ  0.839 -90.6  0.854 -89.7  0.824 -99.7  0.825 -99.7  0.825 -99.7	ON .476 INCD 69.1 168.6 69.4 59.4 68.6 68.6 69.4 59.4 68.6 68.6 69.6 69.1 68.6 69.1 68.6 69.1 68.6 69.3 69.8 68.6 68.6	## 2347.630  PHAZ EMIS 39.3 33.0 40.1 31.4 47  ## 2333.112  PHAZ EMIS 39.3 32.9 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.36368  QUENCE NO  PTH -68.650 11  SCALE 0. 14.95168 11.62791 19.25620 11.89123 18.91450	AZ 5.918 PT-PT 1-2-3 3-4-5 5-6-7 ) 663 AZ 5.899 PT-PT 1-2-2-3 3-4-5 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.983 -18.702 6 -11.984 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.628 -19.161 3 -11.341 -19.570 4 -11.330 -18.642 5 -11.957 -18.732 6 -11.958 -19.470	RANGE A 693.28670 685.23920 695.92156 702.30710 702.30710 691.38331 685.23920 21 MIN 23 SEC  RANGE A 677.30675 69.45015 679.88115 669.45015 679.8815 669.45015 679.8815 669.45015 679.8815 669.45015 669.45015 669.45015	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 59.2 8.1 56.1 4.5 59.2 8.1 C 388 MS	TAI SEC TO IM 272-13 AZ SUN -83-0 -83-0 -83-0 -83-0 -83-0 -83-7 -63-6 -82-9 TAI SEC TC IM 265-41 AZ SUN -83-3 -82-9 -83-7 -83-7 -83-7 -83-7 -83-7 -83-7	MPACT 31.3 31.1 30.4 31.3 31.1 30.4 31.3 31.1 4B NO	46 ALT 612-17-405 A* 4.86827 4.81090 4.88576 4.93063 4.85378 4.81090 47 ALT 557.65656 4.70005 4.715666 4.70005 4.74188	LAT L 8/A AZPHAZ 0.839 -90.6 0.854 -89.7 0.823 -91.6 0.843 -91.6 0.854 -89.7 ATLAS PHOTO  LAT L 7.467 -27 B/A AZPHAZ 0.839 -90.6 0.854 -89.7 0.823 -91.6 0.854 -89.7	ON .476 INCD 69.1 168.6 69.4 59.4 68.6 68.6 69.4 59.4 68.6 68.6 69.6 69.1 68.6 69.1 68.6 69.1 68.6 69.3 69.8 68.6 68.6	### R 2347.630 PHAZ EMIS 39.3 33.0 40.1 31.4 38.5 33.6 40.1 32.6 40.1 31.4 47  PHAZ EMIS 39.3 33.112 PHAZ EMIS 39.3 32.9 40.1 31.4 48.5 34.6 40.1 32.6 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.36368 QUENCE NO  PTH -68.650 11  SCALE 0. 14.95168 21.62791 19.255220	AZ 5.918 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 663 AZ 5.899 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.342 -18.816 5 -11.984 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.628 -19.161 3 -11.341 -19.570 4 -11.330 -18.422 5 -11.957 -18.732 6 -11.958 -19.470 7 -11.341 -19.570	RANGE A 693.28670 685.23920 695.92156 702.30710 702.30710 691.38331 685.23920 21 MIN 23 SEC  RANGE A 677.30675 69.45015 679.88115 669.45015 679.8815 669.45015 679.8815 669.45015 679.8815 669.45015 669.45015 669.45015	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 59.2 8.1 56.1 4.5 59.2 8.1 C 388 MS	TAI SEC TO IM 272-18  AZ SUN -83-3 -82-9 -83-7 -83-6 -82-9 TA  SEC TO IM 265-41  AZ SUN -83-3 -82-9 -83-6 -82-9 TA  SEC TO IM	AZA 31.3 31.1 30.4 31.1 431.6 32.3 331.1 AB NO  MPACT  AZA 31.3 31.1 AZA 31.3 31.1 AZA 31.3 AZA 31.1 A	ALT 612-17465 A* 4.86827 4.81090 4.88578 4.81090 47 ALT 597-65656 A* 4.75666 4.70005 4.71314 4.81691 4.74188 4.70005	ATLAS PHOTO  LAT L 7.406 -27  B/A AZPHAZ 0.839 -90.6 0.854 -89.7 0.823 -91.6 0.854 -89.7  ATLAS PHOTO  LAT L 7.467 -27  B/A AZPHAZ 0.839 -90.6 0.854 -89.7  ATLAS PHOTO 0.854 -89.7  ATLAS PHOTO 0.854 -89.7  ATLAS PHOTO 0.854 -99.7 0.855 -89.7  ATLAS PHOTO 0.854 -99.7 0.855 -89.7  ATLAS PHOTO 0.854 -91.6 0.854 -19.7	ON .476 INCD 69.1 186.669.4 19.5 68.6 69.4 19.5 19.5 19.5 68.6 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5	## 2347.630  PHAZ EMIS 39.3 33.0 40.1 31.4 47  ## 2333.112  PHAZ EMIS 39.3 32.9 40.1 31.4 47  ## 2333.114  ## 2333.114  ## 2333.114  ## 2333.114  ## 2333.114  ## 2333.114  ## 2333.114  ## 2333.114  ## 2333.114  ## 2333.114	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 19.36368 QUENCE NO  PTH -68.650 11  SCALE 0. 14.95168 21.62791 19.25620 21.89123 18.91450 QUENCE NO	AZ 5.918 PT-PT 1-2 2-3 3-4 4-5 5-5-4 6-7 0 663 AZ 5.899 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 663
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.362 -14.816 5 -11.984 -12.459 7 -11.353 -19.561  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.628 -19.161 3 -11.361 -19.570 4 -11.330 -18.642 5 -11.957 -18.732 6 -11.958 -19.470 7 -11.341 -19.570  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE A. 693.28670 695.9215 702.30710 695.9215 71.30875 69.4501	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 59.2 8.1 56.1 4.5 59.2 8.1 C 388 MS ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 59.2 8.1 61.0 8.6 59.2 8.1 C 428 MS	TA  SEC TO IM 272-14  AZ SUN -63-3 -83-0 -83-0 -83-0 -83-6 -82-9  TA  SEC TO IM 265-41  AZ SUN -83-3 -83-7 -83-6 -82-9 -83-7 -83-6 -82-9 TA	MPACT  AZA  313  311  304  316  323  311  AB NO  MPACT  11  AZA  313  311  ABNO  MPACT  ABNO  MPACT  71	ALT 612-17465 A* 4.86827 4.81090 4.85378 4.81090 47  ALT 597.65656 A* 4.75606 4.70005 4.71314 4.81691 4.74188 4.70005	B/A AZPHAZ  LAT  7.406 - 27  B/A AZPHAZ  0.834 - 89.7  0.823 - 91.6  0.854 - 89.7  ATLAS PHOTO  LAT  -7.467 - 27  B/A AZPHAZ  0.839 - 90.6  0.854 - 89.7  ATLAS PHOTO  LAT  -7.467 - 27  B/A AZPHAZ  0.839 - 90.6  0.854 - 89.7  ATLAS PHOTO  LAT  -7.467 - 27  B/A AZPHAZ  0.839 - 90.6  0.854 - 19.7  ATLAS PHOTO  LAT  -7.513 - 27	ON 1476 1NCD 69.1 69.1 69.1 69.1 69.1 69.1 69.6 69.1 69.6 69.1 69.1	R 2347.630 PHAZ EMIS 39.3 33.0 40.1 31.4 47  PHAZ EMIS 39.3 32.9 40.1 31.4 47  PHAZ EMIS 39.3 32.9 40.1 31.4 48.5 33.4 38.5 33.4 38.5 31.4 48.8 2322.200	POD SECOND SECON	PTH -68.736 11 SCALE 0. 15.30732 22.14066 19.71409 19.36368 QUENCE NO PTH -68.650 11 SCALE 0. 14.95168 21.62791 19.25620 21.89123 18.91450 QUENCE NO	AZ 5.918 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 663 AZ 5-899 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 669 AZ 5-885
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT	RANGE A. 693.26670 695.2218 702.30710 691.38331 695.23920 885.23920 887.30675 694.5015 679.88115 679.88115 679.88115 679.45015 879.45015	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 58.1 9.1 56.1 8.5 59.2 8.1 C 388 MS ZS/C AZN 68.7 8.6 59.2 8.1 6.1.0 8.6 59.2 8.1 C 428 MS	TA  SEC TO IM 272-13  AZ SUN -83-3 -82-9 -83-0 -83-0 -83-6 -82-9 -83-6 -82-9 -83-7 -83-6 -82-9 -83-7 -83-6 -82-9 -83-7 -	MPACT 31.  AZA 31.3 31.1 30.4 31.6 331.1 31.1 30.4 31.6 31.1 31.1 AB NO  MPACT 11  AZA 31.1 AB NO	46  ALT 612.17465  4.86827 4.81090 4.88576 4.93063 4.85378 4.81090  47  ALT 557.65656  A• 4.75666 4.70005 4.74188 4.70005  48  ALT 586.75058	B/A AZPHAZ  B/A AZPHAZ  B/A AZPHAZ  B/A AZPHAZ  B/A AZPHAZ  B/A AZPHAZ  LAT  C.854 -89.7  ATLAS PHOTO  LAT  C.467 -27  B/A AZPHAZ	ON 1476 INCD 68.6 69.4 68.6 69.4 69.1 69.1 69.1 69.1 69.1 69.1 69.1 69.1	### PHAZ EMIS  PHAZ EMIS  PHAZ EMIS  9.3 33.0 40.1 31.4 38.5 33.5 38.5 34.6 40.1 31.4  ###################################	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.36368 QUENCE NO  PTH -68.650 11 SCALE 0. 14.95168 21.62791 19.25620 21.89125 21.891450 QUENCE NO	AZ 5.918 75-918 1-2 2-3 3-4 4-5 5-6-7 663 AZ 2-3 3-4 4-5 5-6-6 7 9-7-1 9-669 AZ 5-885
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.362 -18.816 5 -11.983 -18.702 6 -11.994 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT 2 -11.628 -19.161 3 -11.341 -19.570 4 -11.330 -18.642 5 -11.957 -18.732 6 -11.958 -19.470 7 -11.341 -19.570  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PI LAT LON 2 -11.614 -19.175 3 -11.331 -19.577	RANGE A 693.28670 695.2920 695.23920 695.23920 695.23920 691.38331 695.23920 21 MIN 23 SE  RANGE A 677.30675 69.45015 679.45015 669.45015 21 MIN 28 SE	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 581.1 9.1 559.2 8.1 C 388 MS ZS/C AZN 58.7 8.6 59.2 8.1 C 428 MS	TAI  SEC TO IM  272-13  AZ SUN  -83-0  -83-0  -83-0  -83-0  -83-6  -82-9  TAI  SEC TO IM  265-3  AZ SUN  -83-3  -82-9  TAI  SEC TO IM  265-3  TAI  TAI  SEC TO IM  265-3  TAI  TAI  SEC TO IM  265-3  TAI  TAI  TAI  SEC TO IM  265-3  TAI  TAI  TAI  TAI  TAI  TAI  TAI  TA	MPACT  AZA  313  311  304  316  323  311  AB NO  MPACT  11  AZA  313  311  ABNO  MPACT  ABNO  MPACT  71	46  ALT 612-174-05  4.86-827 4.810-90 4.885-76 4.930-63 4.810-90  47  ALT 557-65-65-6  4.700-73-14 4.816-91 4.74-18-8 4.70005  48  ALT 586-75-05-8  A-4-67-10-8 4-67-10-8 4-67-10-8	B/A AZPHAZ  LAT  LAT  LAT  LAT  LAT  LAT  LAT  L	ON 1476 ON 147	### PHAZ EMIS 39.3 33.0 40.1 31.4 47 ### PHAZ EMIS 39.3 32.9 40.1 31.4 47 ### PHAZ EMIS 39.3 32.9 40.1 31.4 48 ### PHAZ EMIS 39.1 48 ### PHAZ EMIS AMIS PHAZ EMIS PHAZ EMIS AMIS PHAZ EMIS	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.30368 QUENCE NO  PTH -68.650 11  SCALE 0. 14.62191 19.25620 QUENCE NO  PTH -68.584 11  SCALE 0. PTH -68.584 11  SCALE 0. PTH -68.584 11  SCALE 0.	AZ 5.918 PT-PT 1-2 2-3 3-4 4-5 5-6-6-7 ) 663 AZ 2-3 4-4-5 5-6-6-7 ) 669 AZ 5-899 PT-PT 1-2 2-3 4-5 5-6-6-7 ) 669 PT-PT 1-2 2-3 3-4 4-5 5-6-6-7 1-2 2-3 3-4 4-5 5-6-6-7 1-2 2-3 3-4 4-5 5-6-6-7 1-2 2-3 3-4 4-5 5-6-6-7 1-2 2-3 3-4 4-5 5-6-6-7 1-2 2-3 3-4 4-5 5-6-6-7 1-2 2-3 3-4 4-5 5-6-6-7 1-2 2-3 3-4 4-5 5-6-6-7 1-2 2-3 3-6 6-7 1-2 2-3 3-6 6-7 1-2 2-3 3-6 6-7 1-2 2-3 3-6 6-7 1-2 2-3 3-6 6-7 1-2 2-3 3-6 6-7 1-2 2-3 3-6 6-7 1-2 2-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 5 -11.983 -18.702 6 -11.984 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.628 -19.161 3 -11.361 -19.570 4 -11.330 -18.642 5 -11.957 -18.732 6 -11.958 -19.470 7 -11.341 -19.570  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.628 -19.161 3 -11.361 -19.570  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA	RANGE A 693.26670 695.23920 695.23920 695.23920 21 MIN 23 SE  RANGE A 677.30675 694.5015 679.8815 679.8815 679.891	ZS/C AZN 58-7 8-6 59-2 8-1 61-0 8-6 59-2 8-1 56-1 8-5 59-2 8-1 C 388 MS ZS/C AZN 58-7 8-6 59-2 8-1 61-0 8-6 59-2 8-1 C 428 MS	TA  SEC TO IM 272-12  AZ SUN -83-3 -82-9 -83-0 -82-9  TA  SEC TC IM 265-41  AZ SUN -83-3 -82-9 -83-6 -82-9  TA  SEC TC IM 260-36  AZ SUN -83-6 -82-9  TA  SEC TO IM -83-3 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9 -83-6 -82-9	MPACT  AZA 31.1	ALT 612.17465 4.86827 4.81090 4.88576 4.93063 4.81090 47  ALT 597.65656 4.77314 4.81691 4.74188 4.70005 4.74188 4.70005 4.74188 4.766666 4.766866 4.766866	LAT L 7.406 -27  B.A AZPHAZ 0.839 -90.6 0.854 -89.7 0.834 -89.7 0.823 -91.6 0.854 -89.7  ATLAS PHOTO  LAT L 7.467 -27  B/A AZPHAZ 0.839 -90.6 0.854 -89.7  ATLAS PHOTO  LAT L 0.839 -90.6 0.854 -89.7  ATLAS PHOTO  LAT L 7.513 -27  B/A AZPHAZ 0.835 -89.7  C.835 -89.7  ATLAS PHOTO  LAT L 7.513 -27  B/A AZPHAZ 0.835 -89.7  C.835 -89.7	ON 1476 ON 1476 ON 1476 ON 1976 ON 197	### 2347.630  PHAZ EMIS 39.3 33.0 40.1 31.4 38.5 34.6 40.1 32.6 40.1 31.4 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 40.1 31.4 38.5 34.6 31.4 38.5 34.6 31.4 38.5 33.4 38.5 33.4 38.5 33.3 32.9 40.1 31.4 38.5 33.5 38.5 38.5 38.5 38.5 38.5 38.5	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.36368  QUENCE NO  PTH -68.650 11  SCALE 0. 14.95168 21.62791 19.25620 21.89123 18.91450  QUENCE NO  PTH -68.584 11  SCALE 0.  PTH -68.584 11  SCALE 0. 14.68430 14.668430 11.24234	AZ 5.918 PT-PT 1-2 2-3 3-4 5-6-7 0 663 AZ 2-3 3-4-5 5-6-6-7 0 669 AZ 5-885 PT-PT 1-2 2-3 3-4-5 5-6-7 0 669 AZ 3-885 PT-PT 1-2 2-3 3-4-5 3-6-7 0 669 AZ 3-885 8-7 1-885
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -11.647 -19.142 3 -11.353 -19.561 4 -11.362 -18.816 5 -11.983 -18.702 6 -11.994 -19.459 7 -11.353 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT 2 -11.628 -19.161 3 -11.341 -19.570 4 -11.330 -18.642 5 -11.957 -18.732 6 -11.958 -19.470 7 -11.341 -19.570  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PI LAT LON 2 -11.614 -19.175 3 -11.331 -19.577	RANGE A 693.26670 695.29920 695.2915 702.30710 691.38331 691.38331 681.38331 -	ZS/C AZN 58.7 8.6 59.2 8.1 61.0 8.6 581.1 9.1 559.2 8.1 C 388 MS ZS/C AZN 58.7 8.6 59.2 8.1 C 428 MS	TA  SEC TO IM 272-12  AZ SUN -83-0	AZA 31.3 31.1 30.4 31.6 32.3 31.1 43.6 31.3 31.1 AB NO  MPACT  AZA 31.3 31.1 AZA 31.3 31.1 AZA 31.3 31.1	46  ALT 612-174-05  4.86-827 4.810-90 4.885-76 4.930-63 4.810-90  47  ALT 557-65-65-6  4.700-73-14 4.816-91 4.74-18-8 4.70005  48  ALT 586-75-05-8  A-4-67-10-8 4-67-10-8 4-67-10-8	LAT L 7.406 - 27  B.A AZPHAZ 0.839 - 90.6 0.854 - 89.7 0.823 - 91.6 0.643 - 91.6 0.654 - 89.7  ATLAS PHOTO  LAT L 7.467 - 27  B.A AZPHAZ 0.839 - 90.6 0.654 - 89.7  ATLAS PHOTO  LAT L 7.513 - 27  B.A AZPHAZ 0.854 - 89.7  ATLAS PHOTO  LAT L 7.513 - 27  B.A AZPHAZ 0.854 - 89.7  ATLAS PHOTO  LAT L 0.854 - 89.7  ATLAS PHOTO  LAT L 7.513 - 27  B.A AZPHAZ 0.854 - 89.7  ATLAS PHOTO  LAT L 7.513 - 27  B.A AZPHAZ 0.854 - 89.7  0.824 - 91.6 0.854 - 89.7  0.824 - 91.6 0.854 - 89.7 0.824 - 91.6	ON 1476 ON 1476 ON 1476 ON 169.1 68.6 69.4 9.5 8.8 69.6 ONO CN 100.1 100	### PHAZ EMIS 39.3 33.0 40.1 31.4 47 ### PHAZ EMIS 39.3 32.9 40.1 31.4 47 ### PHAZ EMIS 39.3 32.9 40.1 31.4 48 ### PHAZ EMIS 39.1 48 ### PHAZ EMIS AMIS PHAZ EMIS PHAZ EMIS AMIS PHAZ EMIS	POD SECOND SECON	QUENCE NO  PTH -68.736 11  SCALE 0. 15.30732 22.14066 19.71409 22.41129 19.30368 QUENCE NO  PTH -68.650 11  SCALE 0. 14.62191 19.25620 QUENCE NO  PTH -68.584 11  SCALE 0. PTH -68.584 11  SCALE 0. PTH -68.584 11  SCALE 0.	AZ 5.918 1-2 2-3 3-4 4-5 5-6-7 663 AZ 7-9 9 PT-PT 1-2 2-3 3-4 4-5 5-6-7 9 PT-PT 1-2 2-3 3-4 4-5 5-6-7 9 PT-PT 1-2 2-3 3-4 4-5 5-6-7 9 PT-PT 1-2 2-3 3-6-7 9 PT-PT 1-2 2-3 3-3 3-6-7 9 PT-PT 1-2 2-3 3-3 9 PT-PT 1-2 2-3 3-3 9 PT-PT 1-2 2-3 3-3 3-6-7 9 PT-PT 1-2 2-3 3-3 9 PT-PT 1-2 2-3 3-3 9 PT-PT 1-2 2-3 3-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1

		· — · · — -		RA-VII	CAMERA	P2_			-		—			9 _
JULY 31,1964 13 HR	21 MIN 36 S	EC 827 M	s	1	TAB NO	49	ATLAS	РНОТО	NO	49		POD SE	QUENCE NO	679 -
TRAJECTORY DATA				SEC TO	THPACT	AL T	LAT		164		, R	ν	PTH	AZ
				251.	972	568.54010	-7.59	0 -27	094	2303	995	2.333	PTH -68.474 11	5.861
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A+	B/A A	ZPHAZ	INCD	PHAZ E	A ZIM	LPHA		PT-PT
2 -11.589 -19.202	645.17025	-58.8	8.5	-83.3	31.2	4.53040	0.840	-90.6	69.0	39.3 3	2.9	28.8	0.	1- 2
3 -11.315 -19.592	637.69897	-59.2	0.1	-82.9	31.1	4.47713	0.854	-89.7	68.6	40.1 3	1.4	27.7 30.0	14.23579 20.59535	2- 3
4 -11.305 -18.899 5 -11.902 -18.794	647.62157		8.6 9.0	-83.0 -83.7	30.4	4.54666 4.58820	0.835	-89.7 -91.6	69.4	38.5 3	4.5	29.8	18.33531	4- 5
6 -11.903 -19.498	.643.38986			-83-6			0.843	-91.6	68.8	40.1 3	2.5		20.84413	5- 6
	637.69897	-59.2	8 - 1	-82.9	31.1	4.47713	0.854	-89.7	68.6	40.1 3	1.4	27.7	18.01139	6- 7
JULY 31,1964 13 HR	21 MIN 43 S	SEC 547 M	s	•	TAB NO	50	ATLA:	в РНОТО	NO	50		POD SI	EQUENCE NO	687
											0	v	PIH	AZ
TRAJECTORY DATA					IMPACT 252	ALT 553.94107	LAI	3 -26	.963	2289	.396	2.339	-68.385 11	
PT LAT LON			AZN	AZ SUN	AZA	A •	B/A A	ZPHAZ	1 NC D	PHAZ E	MIS A	LPHA	SCALE	
2 -11.569 -19.225	629.01880	-58.8		-83.3		4.41698	0.840	-90.6	69.0	39.3 3	2.9	28.8	0. 13.87587	1- 2 2- 3
3 -11.302 -19.605	621.74145	-59.2	8.1		31.1	4.36510 4.43283	0.854	-89.7	69.7	40.1 3	3.3	27.7 30.0		34
4 -11.292 -18.929 5 -11.874 -18.827	637 16006	-58-2	9.0	-83.0 -83.7	31.4	4.47326	0.825	-91-6	69.4	38.5 3	4.5	29.8	17.87273	4- 5
6 -11.875 -19.513	637.16006	-56.3	8.4	-63.6		4.40376	0.843	-91.5	68.7	40.1 3	2.5	27.5	20.31757	5- 6
7 -11.302 -19.605	621.74145	-59.2	6.1	-82.9	31-1	4.36510	0.854	-89.7	68.6	40.1 3	1.3	27.7	17.55779	6- 7
JULY 31,1964 13 HR	21 MIN 50 5	SEC 267 M	ıs		TAB NO	51	ATLA	S PHOTO	NO .	51			EQUENCE NO	
	LI FIN SO												PTH	
TRAJECTORY DATA					1MPACT 533	AL T 539.31500	LAT 0 -7.7	17 -26	ON .831	2274	.770	2.345	-68.294 11	5.821
PHOTO DATA PT LAT LCN	RANGE	AZS/C	ΔZN	AZ SUN	AZA	A =	B/A	AZPHAZ	INCD	PHAZ E	MIS	ALPHA	SCALE	PT-PT
PT LAT LGN 2 -11.551 -19.249 3 -11.291 -19.619	612.82044	-58.8		-83.3		4.30324	0.840	-90.6	69.0	39.3 3	32.B	28.7.		1-2
3 -11.291 -19.619	605.73697	-59.2	8.1	-62.9		4.25273		-89.7		40.1 3		27.7 30.0	13.51520	
4 -11.281 -18.961	515.14510	-61.0	9.0	-83.0 -83.7	30.4 31.4	4.31866	0.836	-89.7 -91.6	69.4	38.5 3	34.4	29.8	17.40965	
5 -11.847 -18.862 6 -11.849 -19.529	620.74104	-56.3	8.4	-83.6	32.1	4.29035	0.844	-91.5	68.7	40.1 3	2.5	27.5	19.78899	5- 6
7 -11.291 -19.619	605.73697		8.1	-82.9		4.25273	0.854	-89.7	68.6	40.1 3	31.3	27.7	17.10353	6- 7
					TAB NO	52	ATL	AS PHOT	0 NO	52		POD S	SEQUENCE N	0 701
JULY 31,1964 13 HR	21 MIN 55	SEC 306 M											-	
TRAJECTORY DATA					IMPACT	ALT 528.3270	LAT C -7.7	65 <b>-</b> 26	.730	226	R 3.782	2.349	PTH -68.225 l	AZ 15.805
PHOTO DATA PT LAT LON 2 -11.537 -19.267	DANCE	A75/C	A 7 N	AZSUN	Δ7Δ	Δ.	B/A	AZPHAZ	INCD	PHAZ E	EMIS	ALPHA	SCALE	PT-PT
2 -11-537 -19-267	600.63884	-58.8		-83.3		4.21770	0.840	-90.6	68.9	39.3	32.8	28.7	0.	1- 2
3 -11.262 -19.030	242 * 10102	- > 7 • 4	8.1			4.16823	0.854	-89.7	68.6	40.1	31.3	27.7	13.24403	2- 3
4 -11.272 -18.985	602.91515	-61.0	8.6	-83.0	30.4	4.23260		-89.7 -91.6		38.5		29.9	19.16259	3- 4 4- 5
5 -11.827 -18.888 6 -11.829 -19.542	608.39379 598.97880			-83.7 -83.6		4.27130 4.20507	0.844	-91.5		40.1		27.5	19.19160	5- 6
7 -11.282 -19.630	593.70103	-59.2	8.1	-82.9	31.1	4.16823	0.854	-89.7	68.6	40-1	31.3	27.7	16.76200	
					TAB NO	53	ATI A	S PHOTO	n NO	53		POD S	SEQUENCE N	0 713
JULY 31,1964 13 HF	22 MIN 5	SEC 386 F	45		IND NO	55	710							
											R	٧	PTH	A.7
TRAJECTORY DATA					IMPACT	ALT 506.3040	8 -7.8		5.526	224	1.759	2.358	-68.086 1	15.774
PT LAT LON		AZS/C		AZ SUN		A •	B/A	AZPHAZ	INC	PHAZ	EMIS	ALPHA	SCALE	PT-PT
2 -11.508 -19.307	576.16063	-58.8		-03.3		4.04581	0.841	-90.6	68.9	39.3	32.8	28.7	0. 12.69854	1- 2
3 -11.263 -19.654	569.51675	-59.3	8.1			3.99844		-89.7 -69.7	68.5	40.1 38.5	31.3	27.6		3- 4
4 -11.254 -19.036 5 -11.786 -18.943	578.33867 583.58178	-58-2	8.9	-83.0 -83.7	30.4	4.06026		-91.6	69.3	38.5	34.3	29.7	16.36188	4-5
6 -11.788 -19.570	574.56915	-56.4	8.4	-83.6		4.03370		-91.5	68.	40.1	32.4	27.4	18.59206	5- 6
7 -11.263 -19.654	569.51675	-59.3	8.1	-82.9	31.1	3.99844		-89.7	68.	40.1	31.3	27.6	16.07582	6- 7
					TAB NO	54	ATL	AS PHOT					SEQUENCE N	
JULY 31,1964 13 H	R 22 MIN 12	SEC 105										٧	PTH	A 7
TRAJECTORY DATA					IMPACT	AL T 491.5869	LA1 91 -7.9	929 -2	LON 6.388	222	7.042	2.36	5 -67.992	
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A+	B/A	AZPHAZ	INCI	PHAZ	EMIS	ALPHA	SCALE	
2 -11.488 -19.335	559.76933	-58.8	8.5	-83.3	31.2	3.93071	0.841	-90.6	68.	9 39.3	32.7	28.6	0	1- 2
2 -11.488 -19.335 3 -11.250 -19.672 4 -11.241 -19.072	553.32242	-59.2	8.1										12.3331	
4 -11.241 -19.072	561.88172	-61.0	8.6	-83.0	30.4		0.837					29.8	15.8934	8 4-5
5 -11.759 -18.982 6 -11.760 -19.591	556.95706 558.22409	-56-4	8.4	7 . c o - 4 . F g -	31.4 32.0		5 0.845	-91.5	68.	7 40.1	32.4	27.4	18.0565	5 5-6
7 -11.250 -19.672			8.1	-82.9	31.1		0.855		68.	5 40.1	31.3	27.6	15.6163	3 6- 7

				RA-VII	CAMERA	P2					10
							471.40	MIOTO NO		DOD (	SEQUENCE NO 727
JULY 31,1964 13 HR	22 MIN 17	SEC 145	M\$		TAB NO	55	AILAS	PHOTO NO	35	POD :	SEQUENCE NO 727
TRAJECTORY DATA		-		SEC TO 211.	IMPACT	ALT 480.53055	LAT 5 -7.979	LCN -26.283	R 2215.98	y 36 2.369	PTH AZ -67.921 115.736
PHOTO DATA											
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A *	B/A AZ	PHAZ INCD	PHAZ EMIS	ALPHA	SCALE PT-PT
2 -11.473 -19.356 3 -11.241 -19.686	547 - 44675	-58.8	8.5	-83.3		3.84418	0.842 -	-90.6 68.9 -89.7 68.5	40 1 31	28.6	0. 1-2 12.05867 2-3
4 -11.232 -19.098			8.5	-82.9 -82.9	30.4	3.85767	0.837 =	89.7 69.1	38 5 33	21.0	17.44854 3- 4
5 -11.738 -19.011		-58.2	8.9	-83.7	31.4	3.89277	0.827 -	-89.7 69.1 -91.6 69.2	38-5 34-2	29.6	15.54152 4- 5
6 ~11.739 -19.606	545.93613	~56.4	8.4	-83-6	32.0		0.845 -	91.5 68.6	40-1 32-4	27.4	17.65436 5- 6
7 -11.241 -19.686	541.14753	-59.2	8.1	-82.9	31.1	3.79926	0.855 -	-89.7 68.5	40.1 31.2	27.6	15.27112 6- 7
					TAB NO	56	2A ITA	PHOTO NO	56	POD 9	SEOUENĆE NO 735
JULY 31,1964 13 HR	22 MIN 23	SEC 865	MS		IAB NO	50	AILAG	711010 110	30		reformer no 133
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	LON	Ŕ	v	PTH AZ
				204.	935	465.76337	7 -8.046	5 -26.141	2201.2	19 2.375	-67.825 115.714
PHOTO DATA PT lat lon											
7 - 11 (52 10 20)	RANGE	AZS/C	AZN	AZSUN	AZA	A# 2 72051	B/A A/	ZPHAZ INCD	PHAZ EMI	ALPHA	SCALE PT-PT
2 -11.452 -19.384 3 -11.227 -19.704	524 97200	-50.8	0.4	-82 9	31.7	3.68500	0.042	-90.6 68.8 -89.7 68.5	40 1 31	20.0	0. 1- 2 11.69202 2- 3
4 -11.219 -19.134	532.97182	-61.0	8.5	-82.9 -82.9	30.5	3.74174	0.838 -	-89.7 69.0	38.5 33.	1 29 B	16.91833 3-4
5 -11.709 -19.050	537.78143			-83.7		3.77556	C.828 -	-91.6 69.2	38.5 34.	29.6	15.07112 4- 5
6 -11.710 -19.627		-56.4		-83.6		3.71737	0.845 -	-91.5 68.6	40.1 32-	27.4	17.11705 5- 6
7 -11.227 -19.704		-59.2	8.1	-82.9	31.1			-89.7 68.5			14.80959 6- 7
N/4 × 31 10// 10 //0					TAB NO		ATLAS	PHOTO NO	57	POD :	SEQUENCE NO 739
JULY 31,1964 13 HR	22 MIN. 21_	->EL 229	Da —					-			
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	LON	R	٧	PTH AZ
				201.	575	458.36859	9 -8.081	1 -26.070	2193.8	24 2.379	-67.776 115.703
PHOTO DATA											
PT LAT LON 2 -11.442 -19.398	RANGE	AZS/C		AZSUN	AZA	A#		ZPHAZ INCO			SCALE PT-PT
2 -11.442 -19.398	522.71837	-58.8	8.4	-83.2	31.2	3.67054	0.842	-90.6 68.8	39.3 32.	6 28.6	0- 1-2
3 -11.220 -19.713			8.1	-82.9	31.1			-89.7 68.5			11.50827 2- 3
4 -11.212 -19.153	524.68320	-61.0	8,5	-82.9 -83.7	30.5	3.68357	0.838 -	-89.7 69.0	38.5 33.		16.65271 3-4
5 -11.695 -19.069 6 -11.696 -19.637	529.41399	-58.2				3.71681 3.65957	0.828 -		38.5 34. 40.1 32.		14.83536 4-5
7 -11.220 -19.713		-50.4	B.1	-82.9	31.1	3.62773			40.1 32.	2 27 6	16.84789 5- 6 14.57835 6- 7
. 111120 171125	320412710	2742			3	3.02113	0.000	0,41 004,			1, (03)
					TAB NO	58	ATLAS	PHOTO NO	58		SEQUENCE NO 745
JULY 31:1964 13 HR	22_MIN 32	SEC .264	.MS.		TAB NO	58	ATLAS	PHOTO NO	58		SEQUENCE NO 745
							-		55		· · · ·
JULY 31,1964 13 HR		SEC .264		SEC TO	IMPACT	ALT	LAT	LON	R	v .	PTH AZ
TRAJECTORY DATA				SEC TO 196.	IMPACT	ALT	LAT 4 -8.132	LON 2 -25.961	. R 2182•7	V 19 2.383	PTH AZ -67.703 115.685
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	SEC TO 196.	IMPACT 535	ALT 447.26324	LAT 4 -8.132	LON 2 -25.961 ZPHAZ INCD	2182.7 PHAZ EMI	V 19 2.383 S ALPHA	PTH AZ -67.703 115.685
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420	RANGE 510,30445	AZS/C	AZN 8.4	SEC TO 196. AZSUN -83.2	IMPACT 535 AZA 31.2	ALT 447.26324	LAT 4 -8.133 8/A A3 0.842 -	LON 2 -25.961 ZPHAZ INCD -90.6 68.8	R 2182.7 PHAZ EMI 39.3 32.	V 19 2.383 S ALPHA 6 28.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728	RANGE 510.30445 504.44928	AZS/C -58.8 -59.2	AZN 8,4 8.0	SEC TO 196. AZSUN -83.2 -82.9	IMPACT 535 AZA 31.2 31.1	ALT 447.26324 A• 3.58337 3.54162	LAT 4 -8.132 8/A A2 0.842 -	LON 2 -25.961 ZPHAZ INCD -90.6 68.8 -89.7 68.5	R 2182.7 PHAZ EMI 39.3 32.	V 19 2.383 S ALPHA 6 28.5 2 27.6	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181	RANGE 510-30445 504-44928 512-21983	AZS/C -58.8 -59.2 -61.0	AZN 8,4 8.0	SEC TO 196. AZSUN -83.2 -82.9	IMPACT 535 AZA 31.2 31.1	ALT 447.26324 3.58337 3.54162 3.59607	LAT 4 -8.133 8/A A3 0.842 - 0.856 - C.838 -	LON 2 -25.961 ZPHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 69.0	R 2182-7 PHAZ EMI 39-3 32- 40-1 31-	V 19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099	RANGE 510.30445 504.44928 512.21983	AZS/C -58.8 -59.2 -61.0 -58.3	AZN 8,4 8.0 8.5 8.8	SEC TO 196- AZSUN -83-2 -82-9 -82-9 -83-7	IMPACT 535 AZA 31.2 31.1 30.5 31.4	ALT 447.26324 3.58337 3.54162 3.59607 3.62848	LAT 4 -8.133 8/A A7 0.842 - 0.856 - 0.838 - 0.828 -	LON 2 -25.961 ZPHAZ INCD -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1	R 2182-7 PHAZ EMI 39-3 32- 40-1 31- 38-5 33- 38-5 34-	V 19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.5	PIH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5
PHOTO DATA PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.654	RANGE 510.30445 504.44928 512.21983 516.83220 508.89812	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5	AZN 8.4 8.0 8.5 8.8 8.3	\$EC TO 196. AZ SUN -83.2 -82.9 -82.9 -83.7 -83.6	AZA 31.2 31.1 30.5 31.4 32.0	ALT 447.26324 3.58337 3.54162 3.59607 3.62848 3.57267	LAT 4 -8.133 8/A Ai 0.842 - 0.856 - 0.828 - 0.828 -	LON 2 -25.961 ZPHAZ INCD -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6	R 2182-7 PHAZ EMI 39-3 32- 40-1 31- 38-5 33- 38-5 34- 40-1 32-	V 19 2.383 S ALPHA 28.5 27.6 1 29.7 1 29.5 3 27.3	PTH AZ67.703 115.685  SCALE PT-PT 0 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099	RANGE 510.30445 504.44928 512.21983	AZS/C -58.8 -59.2 -61.0 -58.3	AZN 8.4 8.0 8.5 8.8 8.3	SEC TO 196. AZ SUN -83.2 -82.9 -83.7 -83.6 -82.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1	ALT 447.26324 A• 3.58337 3.54162 3.59607 3.62848 3.57267 3.54162	LAT 4 -8.133 8/A A3 0.842 - 0.856 - 0.838 - 0.828 - 0.846 - 0.856 -	LON 2 -25.961 ZPHAZ INCD -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5	R 2182-7 PHAZ EMI 39-3 32- 40-1 31- 38-5 33- 38-5 34-	V 19 2.383 S ALPHA 28.5 27.6 1 29.7 1 29.5 3 27.3	PIH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5
PHOTO DATA  PHOTO DATA  PT LAT LON  2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728	RANGE 510.30445 504.44928 512.21943 516.83220 508.89812 504.44928	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.5 8.8 8.3	SEC TO 196. AZ SUN -83.2 -82.9 -83.7 -83.6 -82.9	AZA 31.2 31.1 30.5 31.4 32.0	ALT 447.26324 3.58337 3.54162 3.59607 3.62848 3.57267	LAT 4 -8.133 8/A A3 0.842 - 0.856 - 0.838 - 0.828 - 0.846 - 0.856 -	LON 2 -25.961 ZPHAZ INCD -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6	R 2182-7 PHAZ EMI 39-3 32- 40-1 31- 38-5 33- 38-5 34- 40-1 32-	V 19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.5 3 27.3 2 27.6	PTH AZ67.703 115.685  SCALE PT-PT 0 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6
PHOTO DATA PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.654	RANGE 510.30445 504.44928 512.21943 516.83220 508.89812 504.44928	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.5 8.8 8.3	SEC TO 196. AZ SUN -83.2 -82.9 -83.7 -83.6 -82.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1	ALT 447.26324 A• 3.58337 3.54162 3.59607 3.62848 3.57267 3.54162	LAT 4 -8.133 8/A A3 0.842 - 0.856 - 0.838 - 0.828 - 0.846 - 0.856 -	LON 2 -25.961 ZPHAZ INCD -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5	R 2182.7  PHAZ EMI 39.3 32.1 31.1 31.1 38.5 34.1 32.1 40.1 32.1 40.1 32.1 40.1 31.1	V 19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.5 3 27.3 2 27.6	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7
PHOTO DATA PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR	RANGE 510.30445 504.44928 512.21943 516.83220 508.89812 504.44928	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.5 8.8 8.3	\$EC TO 196. AZ SUN -83.2 -82.9 -82.9 -83.7 -83.6 -82.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO	ALT 447-26324 3-58337 3-54162 3-59607 3-62848 3-57267 3-54162	LAT 4 -8-134 6/A AA 0.842 - 0.856 - 0.826 - 0.846 - 0.856 - ATLAS	LON 2 -25.961 ZPHAZ INCO -90.6 68.8 69.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 33. 38.5 34. 40.1 32. 40.1 31.	V 19 2.383 S ALPHA 28.5 2 27.6 1 29.7 1 29.5 3 27.3 27.6 POD	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751
PHOTO DATA  PHOTO DATA  PT LAT LON  2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728	RANGE 510.30445 504.44928 512.21943 516.83220 508.89812 504.44928	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.5 8.8 8.3	SEC TO 196. AZ SUN -83.2 -82.9 -83.7 -83.6 -82.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO	ALT 447.26324 3.58337 3.54162 3.59607 3.62848 3.57267 3.54162	LAT 4 -8-133 8/A A3 0.842 - 0.856 - 0.838 - 0.828 - 0.826 - 0.856 - ATLAS	LON 2 -25.961 ZPHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 PHOTO NO	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 33. 38.5 34. 40.1 32. 40.1 31.	V 19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.5 3 27.3 2 27.6 POD:	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA	RANGE 510.30445 504.44928 512.21943 516.83220 508.89812 504.44928	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304	AZN 8.4 8.0 8.5 8.8 8.3	SEC TO 196. AZ SUN -83.2 -82.9 -83.7 -83.6 -82.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO	ALT 447.26324 3.58337 3.54162 3.59607 3.62848 3.57267 3.54162	LAT 4 -8-133 8/A A3 0.842 - 0.856 - 0.838 - 0.828 - 0.826 - 0.856 - ATLAS	LON 2 -25.961 ZPHAZ INCO -90.6 68.8 69.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 33. 38.5 34. 40.1 32. 40.1 31.	V 19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.5 3 27.3 2 27.6 POD:	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR	RANGE 510.30445 504.44928 512.21983 516.83220 508.89812 504.44928	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304	AZN 8.4 8.0 8.5 8.8 8.3 8.0	SEC TO 196.  AZ SUN -63.2 -82.9 -82.9 -83.7 -83.6 -62.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO	ALT 447.26324 Ae 3.58337 3.54162 3.59607 3.62848 3.57267 3.54162 59 ALT 436.14164	LAT -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134 -8-134	LON 2 -25.961 2PHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 PHOTO NO LCN 4 -25.852 ZPHAZ INCO	2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 33. 38.5 34. 40.1 32. 40.1 31. 59	V 19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.5 3 27.3 2 27.6 POD :	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 167.629 115.668
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443	RANGE 510-30445 504-44928 512-21943 516-83220 508-89812 504-44928 22 MIN 37	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304	AZN 8.4 8.0 8.5 8.3 8.0 MS	AZ SUN - #3.2 - 82.9 - 83.7 - 83.6 - 82.9 SEC TO 191.  AZ SUN - #3.2 - 82.9 - 83.7 - 83.6 - 82.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO	ALT 447.26324 3.58337 3.54162 3.59607 3.62848 3.57267 3.54162 59 ALT 436.14166 3.49597	LAT 4 -8.133  B/A Ai C.842 - C.856 - C.838 - C.856 - ATLAS  LAT 0 -8.184 C.843 - C.844 - C.845 -	ZPHAZ INCO 2 -25.961  ZPHAZ INCO 90.6 68.8 -89.7 68.5 -69.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 -89.7 68.5 -89.7 68.5 -89.7 68.5 -89.7 68.5 -89.7 68.5 -89.7 68.5	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 33. 40.1 32. 40.1 31. 59	V 19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 3 27.5 3 27.5 POD:	PTH AZ -67.703 115.885  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 1-2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743	RANGE 510-30445 510-30449 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242	AZS/C -58.8 -59.2 -61.0 -58.3 -56.3 -59.2 SEC 304	AZN 8.4 8.0 8.5 8.8 8.3 8.0 MS	SEC TO 196- AZ SUN - #3.2 - 82.9 - 83.7 - 83.6 - 82.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO	ALT 447.2632.4 3.58337 3.54162 3.59628 3.57267 3.54162 59 ALT 436.14160 A.9597 3.45528	LAT 4 -8-13:  4 -8-13:  4 -8-13:  5 -8-13:  5 -8-13:  6 -8-13:  6 -8-13:  6 -8-13:  6 -8-13:  7 -8-13:  8 -8-13:  7 -8-13:	LON 2 -25.961 2PHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 PHOTO NO LCN 4 -25.852 ZPHAZ INCO -90.6 68.8	R 2182.7 PHAZ EMI 39.3 32.1 39.5 33.3 32.1 38.5 34.4 40.1 31.5  PHAZ EMI 39.3 32.4 40.1 31.3	V 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.5 27.3 27.3 2 27.6 POD 5 V 97 2.388 S ALPHA 6 28.5 2 27.5 2 27.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 10.95503 2-3
PHOTO DATA  PHOTO DATA  PT LAT LON  2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209	RANGE 510-30445 504-44928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304	AZN 8.4 8.0 8.5 8.8 8.3 8.0 MS	SEC TO 196- AZ SUN - #3.2 - 82.9 - 83.7 - 83.6 - 82.9	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO	ALT 447.2632/A 3.58337 3.54162 3.59607 3.62448 3.37267 3.54162 59 ALT 436.1416/A 3.49597 3.45528 3.56835	LAT 0 -8.18:  B/A Ai 0.856 - 0.828 - 0.828 - 0.828 - 0.856 - ATLAS  LAT 0 -8.18:  B/A Ai 0.856 - 0.856	ZPHAZ INCO 2 -25.961  ZPHAZ INCO 90.6 68.8 -89.7 68.5 -69.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 -89.7 68.5  PHOTO NO  4 -25.852  ZPHAZ INCO -90.6 68.8 -69.7 68.5	PHAZ EMI 39-3 32. 40-1 31. 38-5 33. 38-5 34. 40-1 31. 59 R 2171.5	V 2.383 S ALPHA 6 28.5 1 29.5 1 29.5 3 27.3 2 27.6 POD 9 V 2.388 S ALPHA 6 28.5 2 27.5 0 29.7	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130	RANGE 510.30445 510.444928 512.21943 516.83220 508.89812 504.44928 22 MIN 37 RANGE 472.15242 449.72471 504.21855	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0	AZN 8.4 8.0 8.5 8.8 8.3 8.0 MS	SEC TO 196.  AZ SUN - 53.2 - 82.9 - 83.7 - 62.9  SEC TO 191.  AZ SUN - 53.2 - 62.9 - 83.7 - 62.9 - 63.7 - 63.2 - 62.9 - 63.7 - 63.2 - 62.9 - 63.7 - 6	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO  IMPACT .496  AZA 31.2 31.1 30.5 31.4	ALT 447.2632.4 3.58337 3.54162 3.5962.7 3.62448 3.57267. 3.54162 59 ALT 436.14161 4.49597 3.45528 3.50835 3.53933	LAT 0.846 - 0.826 - 0.826 - 0.826 - 0.826 - 0.826 - 0.826 - 0.826 - 0.826 - 0.836 - 0.836 - 0.836 - 0.836 - 0.836 - 0.836 - 0.838 - 0.	LON 2 -25.961 2PHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 PHOTO NO LCN 4 -25.852 2PHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 68.5	2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 59 PHAZ EMI 31. 59 PHAZ EMI 31. 38.5 33. 40.1 31. 38.5 33. 38.5 33.	Y 2.383 S ALPHA 6 28.5 2 27.6 1 29.5 3 27.3 2 27.6 POD:  V 97 2.388 S ALPHA 6 28.5 2 27.5 2 27.5 1 29.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25312 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 1-67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85288 3-4 14.12567 4-5
PHOTO DATA  PY LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130 6 -11.652 -19.671	RANGE 510-30445 504-44928 512-21943 516-8320 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-48772	AZS/C -58.8 -59.2 -61.0 -58.3 -59.2 SEC 304 AZS/C -58.8 -59.2	AZN 8.40 8.5 8.8 8.3 8.0 MS	SEC TO 194.  AZ SUN -93.2 -82.9 -83.6 -82.9  SEC TO 191.  AZ SUN -83.2 -82.9 -83.7 -83.6 -82.9 -83.7 -83.7 -83.7 -83.7 -83.7 -83.7 -83.7 -83.7 -83.7 -83.7	IMPACT	ALT 447.2632' 4.58337 3.584162 3.59607 3.62848 3.37267. 3.54162 59 ALT 436.14161 4.49597 3.45528 3.53993 3.53993 3.48554	LAT -0.132	LON 2 -25.961 ZPHAZ INCO 90.6 68.8 89.7 68.5 69.7 69.0 -91.6 69.1 -91.5 68.6 68.7 68.5 PHOTO NO LCN 4 -25.852 ZPHAZ INCO -90.6 68.8 69.7 68.5 69.7 69.0	PHAZ EMI 39-3 32- 40-1 31- 59 2171-5 PHAZ EMI 39-3 32- 40-1 31- 59 2171-5 PHAZ EMI 39-3 32- 40-1 31- 38-5 34- 40-1 31- 38-5 33- 38-5 33-	Y 2.383 S ALPHA 28.5 2 27.5 2 27.6 POD: Y 97 2.388 S ALPHA 6 28.5 2 27.5 0 29.7 1 29.5 2 27.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 1-67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.037119 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130	RANGE 510.30445 510.444928 512.21943 516.83220 508.89812 504.44928 22 MIN 37 RANGE 472.15242 449.72471 504.21855	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0	AZN 8.40 8.5 8.8 8.3 8.0 MS	SEC TO 196.  AZ SUN - 53.2 - 82.9 - 83.7 - 62.9  SEC TO 191.  AZ SUN - 53.2 - 62.9 - 83.7 - 62.9 - 63.7 - 63.2 - 62.9 - 63.7 - 63.2 - 62.9 - 63.7 - 6	AZA 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO  IMPACT .496  AZA 31.2 31.1 30.5 31.4	ALT 447.2632' 4.58337 3.584162 3.59607 3.62848 3.37267. 3.54162 59 ALT 436.14161 4.49597 3.45528 3.53993 3.53993 3.48554	LAT -0.132	LON 2 -25.961 2PHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 PHOTO NO LCN 4 -25.852 2PHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 68.5	PHAZ EMI 39-3 32- 40-1 31- 59 2171-5 PHAZ EMI 39-3 32- 40-1 31- 59 2171-5 PHAZ EMI 39-3 32- 40-1 31- 38-5 34- 40-1 31- 38-5 33- 38-5 33-	Y 2.383 S ALPHA 28.5 2 27.5 2 27.6 POD: Y 97 2.388 S ALPHA 6 28.5 2 27.5 0 29.7 1 29.5 2 27.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25312 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 1-67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85288 3-4 14.12567 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130 6 -11.652 -19.671 7 -11.200 -19.743	RANGE 510-30445 510-3044928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-49772 492-15242	AZS/C -790.2 -610.3 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.5 8.3 8.0 MS	SEC TO 196. AZ SUN -82.9 -82.9 -83.7 -83.6 -82.9 SEC TO 191. AZ SUN -82.9 -83.7 -83.6 -82.9	IMPACT	ALT 447.2632' 4.58337 3.584162 3.59607 3.62848 3.37267. 3.54162 59 ALT 436.14161 4.49597 3.45528 3.53993 3.53993 3.48554	LAT 0-8-184 8/A A 0.843 0.856 - 0.828 - 0.856	LON 2 -25.961 ZPHAZ INCO 90.6 68.8 89.7 68.5 69.7 69.0 -91.6 69.1 -91.5 68.6 68.7 68.5 PHOTO NO LCN 4 -25.852 ZPHAZ INCO -90.6 68.8 69.7 68.5 69.7 69.0	PHAZ EMI 39-3 32- 40-1 31- 59 2171-5 PHAZ EMI 39-3 32- 40-1 31- 59 2171-5 PHAZ EMI 39-3 32- 40-1 31- 38-5 34- 40-1 31- 38-5 33- 38-5 33-	19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.7 1 29.3 2 27.6 POD : V 97 2.388 S ALPHA 6 28.5 2 27.5 0 29.7 1 29.5 2 27.5 0 29.7 1 29.5 2 27.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 1-67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.037119 5-6
PHOTO DATA  PY LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130 6 -11.652 -19.671	RANGE 510-30445 510-3044928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-49772 492-15242	AZS/C -790.2 -610.3 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.5 8.3 8.0 MS	SEC TO 196. AZ SUN -82.9 -82.9 -83.7 -83.6 -82.9 SEC TO 191. AZ SUN -82.9 -83.7 -83.6 -82.9	IMPACT .535  AZA .31.2 .31.1 .30.5 .31.4 .32.0 .31.1 TAB NO  IMPACT .496  AZA .31.2 .31.1 .30.5 .31.4 .30.5 .31.4 .30.5 .31.4 .31.9 .31.1 TAB NO	ALT 447.2632*  A-947.3.59437 3.59437 3.59467 3.62848 3.57267 3.62848 3.57267 3.6462  59  ALT 436.14161  A-9 3.49528 3.50835 3.53993 3.48554 3.46528	LAT 4 -6.132 6/4 -6.132 6/4 -6.132 6/8 -6.13	LON 2 -25.961  ZPHAZ INCD 90.6 68.8 89.7 68.5 69.7 69.0 -91.6 69.1 -91.5 68.6 89.7 68.5 EPHOTO NO  LCN 4 -25.852  ZPHAZ INCD 90.6 68.8 69.7 68.5 69.7 69.0 -91.6 69.1 -91.5 68.6 89.7 68.5 68.8 89.7 68.5 68.8 89.7 68.5	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 59 2171.5 PHAZ EMI 39.3 32. 40.1 31. 38.5 33. 38.5 34. 40.1 31.	19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.7 1 29.3 2 27.6 POD : V 97 2.388 S ALPHA 6 28.5 2 27.5 0 29.7 1 29.5 2 27.5 0 29.7 1 29.5 2 27.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 1-67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130 6 -11.652 -19.671 7 -11.200 -19.743  JULY 31.1964 13 HR	RANGE 510-30445 510-3044928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-49772 492-15242	AZS/C -790.2 -610.3 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.5 8.3 8.0 MS	SEC TO 196.  AZ SUN -63.2.9  -82.9  -83.7  -83.6  -82.9  SEC TO 191.  AZ SUN -83.2  -82.9  -83.2  -82.9	IMPACT 535  AZA 31.2 31.1 30.5 31.4 32.0 31.1  TAB NO  IMPACT 4.96  AZA 31.2 31.1 30.5 31.4 31.9 31.1 TAB NO	ALT 447.2632: A. 3.58337 3.54162 3.59607 3.62448 3.37267 3.54162 59 ALT 436.14161 436.14528 3.49597 3.45528 3.53993 3.48554 3.45528	LAT 0-8-184 0-842 0-856 0-828 0-828 0-846 0-856 ATLAS 0-8-184 0-8-3 0-856 0-829 0-846 0-856 ATLAS	ZPHAZ INCO 2 -25.961  ZPHAZ INCO 90.6 68.8 -89.7 68.5 -89.7 68.5 -89.7 68.5 -89.7 68.5 -91.6 69.1 -25.852  ZPHAZ INCO -90.6 68.8 -89.7 68.5 -99.7 68.5 -91.6 69.1 -91.6 69.1 -91.6 69.1	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 59 2171.5 PHAZ EMI 39.3 32. 40.1 31. 38.5 33. 38.5 34. 40.1 31.	19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.7 1 29.3 2 27.6 POD : V 97 2.388 S ALPHA 6 28.5 2 27.5 0 29.7 1 29.5 2 27.5 0 29.7 1 29.5 2 27.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7  SEQUENCE NO 757
TRAJECTORY DATA  PHOTO DATA  PY LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.652 -19.671 7 -11.200 -19.743  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 510-30445 510-3044928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-49772 492-15242	AZS/C -790.2 -610.3 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.5 8.3 8.0 MS	SEC TO 196-  AZ SUN -83.7 -83.6 -82.9  SEC TO 191-  AZ SUN -83.2 -82.9 -83.7 -83.6 -82.9	IMPACT	ALT 447-2632- A-47-2632- 3-58337 3-54162 3-59607 3-628-8 3-57267 3-54162 59 ALT 436-14161 A-5328 3-59835 3-59835 3-59835 3-48554 3-45528 60	LAT  LAT  -0.132  B/A A  C.842  C.856  C.838  -0.856  ATLAS  LAT  0.854  -0.856  ATLAS	LON 2 -25.961 ZPHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 PHOTO NO LCN 4 -25.852 ZPHAZ INCO -90.6 68.8 -89.7 69.0 -90.6 68.8 -89.7 69.0 -89.7 68.5 EPHOTO NO	8 2182.7 PHAZ EMI 39.3 32. 40.1 31. 59 PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 59 PHAZ EMI 39.3 32. 40.1 31. 38.5 33. 38.5 34. 40.1 31. 60	19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.7 1 29.5 3 27.3 2 27.6 POD 2 4 28.5 5 ALPHA 6 28.5 5 27.5 5 0 29.7 1 27.3 2 27.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 1-67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130 6 -11.652 -19.671 7 -11.200 -19.743  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 510.30445 510.30449 512.21983 516.83220 508.89812 504.44928 22 MIN 37 RANGE 497.85889 492.15242 499.72471 504.21855 496.48772 492.15242	AZS/C -79.2 -61.3 -59.2 -61.3 -58.3 -59.2 SEC 304 AZS/C -58.8 -59.2 -51.3 -56.5 -59.2 -58.3 -56.5 -59.2	AZN 8.4 8.0 8.3 8.0 8.3 8.0 MS	SEC TO 196-  AZ SUN -83.2 -82.9 -83.7 -82.9 -83.7 -82.9 -83.7 -83.6 -82.9 -83.2 -82.9 -83.2 -82.9 -82.9 -83.6 -82.9	IMPACT .535  AZA .31.2 .31.1 .30.5 .31.4 .32.0 .31.1 TAB NO  IMPACT .496  AZA .31.2 .31.1 .30.5 .31.4 .31.2 .31.1 TAB .9 .31.1 TAB NO	ALT 447.2632. A. 58337 3.584162 3.59607 3.62848 3.57267 3.54162 59 ALT 436.14161 A. 49597 3.45528 3.50835 3.53939 3.48554 3.45528 60 ALT 425.0028	LAT -8-23*	LON 2 -25.961 ZPHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 PHOTO NO LCN 4 -25.852 ZPHAZ INCO -90.6 68.8 -89.7 69.7 -89.7 69.0 -89.7 69.0 -89.7 68.5 -89.7 68.5 -89.7 68.5	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 59 2171.5 PHAZ EMI 39.3 32. 40.1 32. 40.1 32. 40.1 31. 60	19 2.383 S ALPHA 6 28.5 2 27.6 1 29.7 1 29.5 3 27.3 2 27.6 POD : 97 2.388 S ALPHA 6 28.5 2 27.5 2 27.5 2 27.5 2 27.5 2 27.5	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 14.12567 4-5 13.88202 6-7  SEQUENCE NO 757
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130 6 -11.652 -19.671 7 -11.200 -19.743  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA	RANGE 510-30445 504-44928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-4872 492-15242	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -58.3 -56.5 -59.2 SEC 344	AZN 8.4 8.0 8.5 8.8 8.3 8.0 MS	SEC TO 196.  AZ SUN -63.2.9  -82.9  -83.7  -83.6  -82.9  SEC TO 191.  AZ SUN 683.7  -83.2  -82.9  SEC TO 166.	IMPACT	ALT 447.2632' A. 3.58337 3.54162 3.59607 3.62848 3.37227 3.54162 59 ALT 436.14160 3.49597 3.45528 3.5993 3.5993 3.48554 425.0028	LAT 0-8-184 0-8456 0-856 0-828 0-828 0-856 ATLAS 0-8-184 0-8-43 0-856 0-829 0-829 0-829 0-846 0-856 ATLAS	ZPHAZ INCO 2 -25.961  ZPHAZ INCO 90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 -91.7 68.5 -91.6 69.1 -91.6 69.1 -91.6 69.7 -91.6 69.8 -91.7 68.5 -91.7 68.5	R 2182.7  PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 59  R 2171.5  PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 60	19 2.383 6 28.5 2 27.6 1 29.7 1 29.5 3 27.3 2 7.6 POD 29.7 1 29.5 2 27.5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 1-67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85228 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7  SEQUENCE NO 757  PTH AZ 1-67.554 115.650  SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130 6 -11.652 -19.671 7 -11.200 -19.743  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PT LAT LON 2 -11.394 -19.466	RANGE 510-30445 510-30449 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-49772 492-15242	AZS/C -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 -51.3 -56.5 -59.2 -58.8 -59.2	AZN 8.4 8.0 8.5 8.8 8.3 8.0 MS	SEC TO 196.  AZ SUN -63.2.9  -82.9  -83.7  -83.6  -82.9  SEC TO 191.  AZ SUN 683.7  -83.2  -82.9  SEC TO 166.	IMPACT	ALT 447.2632' A. 3.58337 3.54162 3.59607 3.62848 3.37227 3.54162 59 ALT 436.14160 3.49597 3.45528 3.5993 3.5993 3.48554 425.0028	LAT 0-8-184 0-8456 0-856 0-828 0-828 0-856 ATLAS 0-8-184 0-8-43 0-856 0-829 0-829 0-829 0-846 0-856 ATLAS	ZPHAZ INCO 2 -25.961  ZPHAZ INCO 90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 -91.7 68.5 -91.6 69.1 -91.6 69.1 -91.6 69.7 -91.6 69.8 -91.7 68.5 -91.7 68.5	R 2182.7  PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 59  R 2171.5  PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 60	19 2.383 6 28.5 2 27.6 1 29.7 1 29.5 3 27.3 2 7.6 POD 2 97 2.388 6 28.5 2 27.5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85288 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7  SEQUENCE NO 757
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.191 -19.209 5 -11.651 -19.130 6 -11.652 -19.671 7 -11.200 -19.743  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.394 -19.466 3 -11.394 -19.466	RANGE 510-30445 504-44928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-4972 492-15242 22 MIN 42	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -59.2 SEC 344	AZN 8.4 8.0 8.3 8.0 MS AZN 8.4 8.0 MS AZN 8.4 8.3 8.0 MS	SEC TO 196.  AZ SUN -83.7 -83.6 -82.9  SEC TO 191.  AZ SUN -83.7 -83.6 -82.9	IMPACT 31.2 31.1 30.5 31.4 32.0 31.1 TAB NO  IMPACT 496  AZA 31.2 31.1 30.5 31.4 31.2 31.1 TAB NO	ALT 447.2632' A- 3.58337 3.54162 3.59607 3.62848 3.37267. 3.54162 59 ALT 436.14161 A- 3.49597 3.45528 3.59833 3.59835 3.59835 4.50835 60 ALT 425.0028 A- 3.40837 3.36874	LAT 0 -8-184 0.842 - 0.856 - 0.842 - 0.856 - 0.846 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.856 - 0.844 - 0.843 - 0.856 - 0.844 - 0.843 - 0.844 - 0.843 - 0.844 - 0.843 - 0.856 - 0.856 -	LON 2 -25.961  ZPHAZ INCO 90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5  PHOTO NO  LCN 4 -25.852  ZPHAZ INCO -90.6 68.8 -89.7 68.5 -89.7 68.5  PHOTO NO	R 2182.7  PHAZ EMI 39.3 32. 34.0 31. 38.5 34. 40.1 31. 59  2171.5  PHAZ EMI 39.3 32. 40.1 31. 60  R 2160.4	19 2.383 6 28.5 2 27.6 1 29.7 1 29.7 1 29.5 2 27.3 2 27.5 POD	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7  SEQUENCE NO 757  PTH AZ -67.554 115.650  SCALE PT-PT 0. 554 14.15567 4-5 16.03719 5-6 13.88202 6-7  SEQUENCE NO 757
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.91 -19.209 5 -11.651 -19.130 6 -11.652 -19.671 7 -11.200 -19.743  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.691 -19.130 6 -11.652 -19.671 7 -11.200 -19.743	RANGE 510-30445 510-30445 510-3044928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 446-46772 492-15242 22 MIN 42 RANGE 485-38350 479-82587 487-19977	AZS/C -59.2 -61.3 -59.2 -61.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 344	AZN 8-4 8-0 8-5 8-8 8-0 MS	SEC TO 196.  AZ SUN -63.2.9  -82.9  -82.9  SEC TO 191.  AZ SUN -83.2  -82.9  SEC TO 191.  AZ SUN -83.2  -82.9  -83.7  -83.6  -82.9	IMPACT	ALT 447.2632: 3.58337 3.54162 3.59607 3.62448 3.37267 3.54162 59 ALT 436.14161 436.14528 3.49597 3.45528 3.5993 3.48554 3.49597 3.45528 4.50837 3.60837 3.36874 3.49337 3.36874 3.490837 3.36874 3.490837 3.36874 3.490837	LAT 0-8-18-18-18-18-18-18-18-18-18-18-18-18-1	ZPHAZ INCO 2 -25.961  ZPHAZ INCO 90.6 68.8 -89.7 68.5 -89.7 68.5 -89.7 68.5 -89.7 68.5 -89.7 68.5 -89.7 68.5 -91.6 69.1 -25.852  ZPHAZ INCO -91.6 68.8 -89.7 68.5 -99.7 68.5 -99.7 68.5 -91.6 69.1 -10.7 68.5 -91.6 69.1 -10.7 68.5	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 32. 40.1 31. 59 R 2171.5 9 PHAZ EMI 39.3 32. 40.1 31. 60 R 2160.4 PHAZ EMI 7 39.3 32. 40.1 31. 60 R 2160.5	19 2.383 6 28.5 2 27.6 1 29.5 3 27.3 2 27.6 POD 2 97 2.388 6 28.5 5 2 27.5 6 29.7 1 29.5 2 27.5 POD 29.7 1 29.5 2 27.5 5 2 27.5 8 2 27.5 9 2 27.5 9 2 27.5 1 2 2 27.5 1 2 2 2 2 2 2 2 2 2 2 2 3 2 2 2 2 2 2 2	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7  SEQUENCE NO 757  PTH AZ -67.554 115.650  SCALE PT-PT 0. 5CALE PT-PT 0. 757  SEQUENCE NO 757
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.40 -19.443 3 -11.200 -19.743  JULY 31.1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.40 -19.443 3 -11.200 -19.743  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.394 -19.466 3 -11.181 LON 2 -11.394 -19.466 3 -11.189 -19.758 4 -11.181 -19.238 5 -11.629 -19.161	RANGE 510-30445 504-44928 512-21943 516-83220 508-89812- 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 496-48772 492-15242 22 MIN 42	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -51.0 -56.5 -59.2 SEC 344	AZN 8-4 8-8 8-8 8-8 8-9 8-9 8-9 8-9 8-9 8-9 8-9	SEC TO 191- AZ SUN -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -82.9 -82.9 -83.7 -82.9 -83.7 -82.9 -83.7 -82.9 -83.7 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.7 -83.2 -82.9 -83.2 -82.9 -83.2 -82.9 -83.2 -82.9 -83.2 -82.9 -83.2 -82.9 -83.2 -82.9 -83.2 -82.9 -83.2 -82.9 -83.2	IMPACT 30.5 31.4 32.0 31.1 TAB NO  IMPACT 496  AZA 31.2 31.1 30.5 31.4 31.9 31.1 TAB NO	ALT 447.2632'  3.58337 3.54162 3.59607 3.62848 3.57267 3.54162  59  ALT 436.14161  A. 3.49597 3.45528  60  ALI 425.0028  A. 3.40837 3.36874 3.40837 3.36874 3.40837 3.36874 3.45168	LAT 0.843 0.843 0.843 0.844 0.856 C.838 0.856 C.838 0.856 C.858 0.856 ATLAS	LON 2 -25.961  ZPHAZ INCO 90.6 68.8 89.7 68.5 69.7 69.0 -91.6 69.1 69.7 68.5 89.7 68.5 89.7 68.5 89.7 68.5 89.7 68.5 89.7 68.5 89.7 69.0 -91.6 69.1 69.7 69.0 68.8 89.7 69.0 69.7 69.7 69.7 69.7 69.7 69.7 69.7 69.7	R 2182.7  PHAZ EMI 39.3 32.  40.1 31.  59  2171.5  PHAZ EMI 39.3 32.  40.1 31.  50  PHAZ EMI 739.3 32.  60  PHAZ EMI 739.3 32.  60  PHAZ EMI 739.3 32.  60  R 2160.4	19 2.383 6 28.5 2 27.6 1 29.7 1 29.7 1 29.5 2 27.6 POD V 97 2.388 S ALPHA 6 28.5 2 27.3 1 29.5 2 27.3 2 27.6 POD V S ALPHA 6 28.5 2 27.5 POD V S ALPHA 5 28.5 1 29.5 2 27.5 POD	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ 1-67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7  SEQUENCE NO 757  PTH AZ 1-67.554 115.650  SCALE PT-PT 0. 757  PTH AZ 1-67.554 115.650  SCALE PT-PT 0. 1-2 10.07753 2-3 15.45126 3-4 13.76971 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.426 -19.420 3 -11.210 -19.728 4 -11.202 -19.181 5 -11.673 -19.099 6 -11.674 -19.654 7 -11.210 -19.728  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.410 -19.443 3 -11.200 -19.743 4 -11.91 -19.209 5 -11.651 -19.130 6 -11.652 -19.671 7 -11.200 -19.743  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.691 -19.130 6 -11.652 -19.671 7 -11.200 -19.743	RANGE 510-30445 510-30445 510-3044928 512-21943 516-83220 508-89812 504-44928 22 MIN 37 RANGE 497-85889 492-15242 499-72471 504-21855 446-46772 492-15242 22 MIN 42 RANGE 485-38350 479-82587 487-19977	AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 304 AZS/C -58.8 -59.2 -61.0 -58.3 -56.5 -59.2 SEC 344	AZN 8.4 8.0 8.5 8.3 8.0 MS AZN 8.4 8.5 8.6 8.3 8.0 MS	SEC TO 196.  AZ SUN -63.2.9  -82.9  -82.9  SEC TO 191.  AZ SUN -83.2  -82.9  SEC TO 191.  AZ SUN -83.2  -82.9  -83.7  -83.6  -82.9	IMPACT 30.5 31.4 32.0 31.1 TAB NO  IMPACT 496  AZA 31.2 31.1 30.5 31.4 31.9 31.1 TAB NO	ALT 447.2632'  4.	LAT 0.843 0.843 0.843 0.844 0.856 C.838 0.856 C.838 0.856 C.858 0.856 ATLAS	ZPHAZ INCO 2 -25.961  ZPHAZ INCO 90.6 68.8 -89.7 68.5 -89.7 69.0 -91.6 69.1 -91.5 68.6 -89.7 68.5 -91.7 68.5 -91.6 69.1 -91.6 69.1 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7 -91.6 69.7	R 2182.7 PHAZ EMI 39.3 32. 40.1 31. 38.5 34. 40.1 31. 59 2171.5 PHAZ EMI 39.3 32. 40.1 31. 60 R 2160.4 PHAZ EMI 739.3 32. 40.1 31. 38.5 34. 38.5 33. 38.5 34. 38.5 33.	19 2.383 6 28.5 2 27.6 1 29.7 1 29.7 1 29.5 3 27.3 2 27.6 POD 29.7 1 29.5 2 27.5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PTH AZ -67.703 115.685  SCALE PT-PT 0. 1-2 11.23196 2-3 16.25313 3-4 14.48093 4-5 16.44302 5-6 14.23056 6-7  SEQUENCE NO 751  PTH AZ -67.629 115.668  SCALE PT-PT 0. 1-2 10.95503 2-3 15.85258 3-4 14.12567 4-5 16.03719 5-6 13.88202 6-7  SEQUENCE NO 757  PTH AZ -67.554 115.650  SCALE PT-PT 0. 5CALE PT-PT 0. 757  SEQUENCE NO 757

	RA-VII CAMERA	P2	11
JULY 31,1964 13 HR 22 MIN 47 SEC 383 MS	TAB NO	61 ATLAS PHOTO NO	61 POD SEQUENCE NO 763
TRAJECTORY DATA	SEC TO IMPACT	A1.T 1.AT 1.0N	R V PTH AZ
	181.416	ALT LAT LCN 413.84769 -8.290 -25.629	R V PTH AZ 2149.303 2.398 -67.478 115.632
PHOTO DATA PT LAT LCN RANGE AZS/C AZN	AZSUN AZA	A* B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.378 -19.488 472.90513 -58.8 8.4	-83.2 31.2	3.32075 0.843 -90.6 68.7	39.3 32.5 28.5 0. 1-2
3 -11.176 -19.772 467.49488 -59.3 8.0 4 +11.170 -19.266 474.67302 -60.9 8.5	-82.9 31.1 -82.9 30.5	3.28217 C.856 -89.7 68.4 3.33247 C.839 -89.7 68.9	40.1 31.1 27.5 10.40071 2- 3 38.5 33.0 29.6 15.05111 3- 4
5 -11.607 -19.191 478.93033 -58.3 8.8	-83.6 31.4	3.36239 C.829 -91.6 69.0	38.5 34.0 29.4 13.41378 4- 5
6 -11.008 -19.704 471.60337 -26.5 8.3 7 -11.178 -19.772 467.49488 -59.3 8.0	-83.6 31.9 -82.9 31.1	3.31065 0.846 -91.5 68.5 3.28217 0.856 -89.7 68.4	40.1 32.2 27.3 15.22528 5- 6 40.1 31.1 27.5 13.18343 6- 7
7 - 11:170 - 14:772 407:44400 - 54:5 0:0	-62.9 31.1	3.20211 0.036 -09.1 00.4	
JULY 31,1964 13 HK 22 MIN 54 SEC 103 MS	TAB NO	62 ATLAS PHOTO NO	62 POD SEQUENCE NO 771
TRAJECTORY DATA	SEC TO IMPACT 174.697	ALT LAT LCN 398.94769 -8.362 -25.478	R V. PTH AZ 2134.403 2.405 -67.377 115.608
PHOTO DATA			
PT LAT LON RANGE AZS/C AZN 2 -11.356 -19.516 456.23196 -58.8 8.4		A* B/A AZPHAZ INCD 3.20367 0.844 -90.6 68.7	PHAZ EMIS ALPHA SCALE PT-PT 39.3 32.5 28.4 0. 1- 2
3 -11.163 -19.790 451.01/74 -59.3 8.0	-82.9 31.0	3.16649 0.856 -89.7 68.4	40.1 31.1 27.5 10.03132 2- 3
4 -11.155 -19.302 457.93584 -60.9 8.5	-82.9 30.5	3.21497 C.84C -89.7 68.9	38.5 32.9 29.614.51719 .34
5 -11.577 -19.230 462.03599 -58.3 8.8 6 -11.578 -19.725 454.97540 -56.5 8.3	-83.6 31.3 -83.6 31.9	3.24378 0.830 -91.6 69.0 3.19411 0.847 -91.5 68.5	40.1 32.2 27.3 14.68450 5- 6
7 -11.163 -19.790 451.01774 -59.3 8.0			40.1 31.1 27.5 12.71679 6- 7
	TAB NO	63 ATLAS PHOTO NO	63 POD SEQUENCE NO 775
JULY 31,1964 13 HR 22 MIN 57 SEC 463 MS			
TRAJECTORY BATA	SEC TO IMPACT 171.337	ALT LAT LCN 391.48648 -8.398 -25.402	R V PTH AZ 2126.942 2.408 -67.325 115.596
PHOTO DATA			
PT LAT LON RANGE AZS/C AZN 2 -11.345 -19.530 447.87405 -58.8 8.4		A* B/A AZPHAZ INCD 3.14498 G.844 -9G.5 68.7	PHAZ EMIS ALPHA SCALE PT-PT 39.3 32.5 28.4 0. 12
2 -11.345 -19.530 447.87405 -58.8 8.4 3 -11.155 -19.800 442.75800 -59.3 8.0			40.1 31.1 27.5 9.84616 2- 3
4 -11.148 -19.320 449.54587 -60.9 8.5		3.15606 C.84C -89.7 68.9	38.5 32.9 29.6 14.24959 3- 4
5 -11.561 -19.249 453.56739 -58.3 8.8 6 -11.563 -19.735 446.64018 -56.5 8.3			38.5 33.9 29.3 12./0037 4- 5 40.1 32.1 27.2 14.41350 5- 6
7 -11.155 -19.800 442.75800 -59.3 8.0			40.1 31.1 27.5 12.48286 6- 7
	TAB NO	64 ATLAS PHOTO NO	64 POD SEQUENCE NO 779
JULY 31,1964 13 HR 23 MIN 0 SEC 822 MS	TAD NO	W KIENS THOSE NO	od top degrees to the
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA	167.977	384.01730 -8.434 -25.325	2119.473 2.411 -67.274 115.584
PT LAT LCN RANGE AZS/C AZN	AZ SUN AZ A	A* B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.334 -19.545 439.50254 -58.8 8.4		3.08619 0.844 -90.5 68.7	39.3 32.5 28.4 0. 1-2
3 -11.148 -19.809 434.48470 -59.3 8.0 4 -11.140 -19.339 441.14232 -00.9 8.5			40.1 31.1 27.5 9.66083 2- 3 38.5 32.9 29.6 13.98166 3- 4
5 -11.546 -19.269 445.08521 -58.3 8.8		3.12477 0.830 -91.6 69.0	38.5 33.9 29.3 12.46176 4- 5
	-83.6 31.8	3.07698 C.847 -91.5 68.5	40.1 32.1 27.2 14.14214 5- 6
7 -11.148 -19.809 434.48470 -59.3 8.0			40.1 31.1 27.5 12.24871 6- 7
JULY 31,1964 13 HR 23 MIN 7 SEC 542 MS	TAB NO	65 ATLAS PHOTO NO	65 POD SEQUENCE NO 787
TRAJECTORY DATA	SEC TO IMPACT 161.257	ALT LAT LCN 369.05658 -8.508 -25.170	R V PTH AZ 2104.512 2.418 -67.169 115.558
PHOTO DATA			
PT LAT LON RANGE AZS/C AZN 2 -11.311 -19.575 422.71793 -58.9 8.4			PHAZ EMIS ALPHA SCALE PT-PT
2 -11.311 -19.575 422.71793 -58.9 8.4 3 -11.132 -19.829 417.89674 -59.3 8.0		2.93395 0.857 -89.7 68.4	40.1 31.1 27.5 9.28927 2- 3
4 -11.125 -19.376 424.29350 -66.9 8.5	-82.9 30.5	2.97878 0.840 -89.7 68.8	38.5 32.9 29.5 13.44464 3- 4
5 -11.515 -19.310 428.07914 -58.3 8.7 6 -11.516 -19.768 421.55232 -56.6 8.3		3.00538 0.831 -91.6 68.9	38.5 33.9 29.3 11.98361 4- 5 40.1 32.1 27.2 13.59830 5- 6
7 -11-132 -19-829 417-89674 -59-3 8-0			40.1 31.1 27.5 11.77908 6- 7
	TAB NO	66 ATLAS PHOTO NO	66 POD SEQUENCE NO 793
JULY 31,1964 13 HR 23 MIN 12 SEC 582 MS	IAB NU		66 FOD SEQUENCE NO 793
TRAJECTURY DATA	SEC TO IMPACT	ALT LAT LCN 357.81555 -8.564 -25.052	R V PTH AZ 2093.271 2.423 -67.090 115.539
PHOTO DATA	******		
PT LAT LON RANGE AZS/C AZN 2 -11-294 -19-597 410-09030 -58-9 8-4		A* B/A AZPHAZ INCC	20 2 22 4 28 4 0 1- 7
2 -11.294 -19.597 410.09030 -58.9 8.4 3 -11.120 -19.844 405.41687 -59.3 8.0		2.87966 0.844 -90.5 68.6 2.84633 0.857 -89.7 68.4	1 40.1 31.0 21.4 7.00707 2- 3
4 -11.113 -19.405 411.61773 -60.9 8.5	-82.9 30.5	2.88919 C.84C -89.6 68.8	3 38.5 32.8 29.5 13.04071 3- 4
5 -11.492 -19.341 415.28522 -58.3 8.7 6 -11.493 -19.785 408.95902 -56.6 8.3		2.91556 0.831 -91.5 68.9 2.87106 0.847 -91.5 68.4	9 38.5 33.8 29.3 11.62395 4- 5 4 40.1 32.1 27.2 13.18931 5- 6
7 -11.120 -19.844 405.41687 -59.3 8.0		2.84633 C.857 -89.7 68.4	4 40.1 31.0 27.4 11.42606 6- 7

				RA-VI	CAPERA	P2						12
··					TAB NO	67	ATLAS PHOTO	NO NO	67	POD SE	QUENCE NO	797
JULY 31,1964 13 HR	23 MIN 15	SEC 942	MS									
TRAJECTORY DATA				SEC TO 152	IMPACT 858	ALT 350.31189	LAT L 9 -8.601 -24	CN . 972	2085 74	. V	PTH -67 037 11	AZ
PHOTO DATA PT LAT LCN	DALCE	AZS/C	AZN		AZA	A•	B/A AZPHAZ					PT-PT
2 -11.282 -19.613	401.65531	-58.9	8.4	-83.2	31.1	2.82043	0.844 -90.5	68.6	PHAZ EMIS 39.3 32.4	28.4	SCALE Q.	1- 2 2- 3
3 -11.112 -19.854 4 -11.105 -19.425	397.08035 403.15031	-59.3 -60.9	8.0 8.5	-82.9 -82.9	31.0 30.5	2.78780 2.83034		68.3	40.1 31.0 38.5 32.8	27.4	8.82336	
5 -11.476 -19.361	406.73952	-58.3	8.7	-83.6	31.3	2.85556	0.831 -91.5	68.9	38.5 33.8	29.3	12.77091 11.38395	4-5
6 -11.477 -19.797 7 -11.112 -19.854	400.547 <u>29</u> 397.08035	-56.6.		-82.9	31.0	2.78780	0.848 -91.5	68.4	40.1 32.1	27.2	12.91614	5- 6
	371.00033	37.5	.,,,,	_								
JULY 31,1964 13 HR	23 MIN 20	SEC 981	MS		TAB NO	68	ATLAS PHOTO	NU	68	POD SE	QUENCE NO	3 803
TRAJECTORY DATA				SECTO.	IMPACT	ALT.	LAT L 2 -8.658 -24	CN	R	v	PIH	AZ
PHOTO DATA				147.	818	339.04172	2 -8.658 -24	.852	2074.49	7 2.432 -	-66.956 11	15.506
PT LAT LCN 2 -11.265 -19.637	RANGE	AZS/C	AZN		AZA	Δ+	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
3 -11.101 -19.870	384.54884	-58.9 -59.3	8.3 8.0	-83.2 -82.9	31.1 31.0		0.845 -90.5 C.857 -89.7		39.3 32.4		0. 8.54313	1~ 2
4 -11.094 -19.454	390.42213.	-60.9	8.5	-82.9	30.5	2.74098	0.841 -89.6	68.7	38.5 32.8	29.5	12.36537	3- 4
5 -11.453 -19.393 6 -11.454 -19.814	393.89422 387.90319	-58.3 -56.6	8.7 8.2	-83.6 -83.6	31.3 31.8	2.76538	0.832 -91.5 0.848 -91.5	68.8	40.1 32.0	29.2	11.02330	
7 -11.101 -19.870	384.54884	-59.3	8.0	-82.9	31.0	2.69982	C.857 -89.7	68.3	40.1 31.0	27.4	10.83624	6- 7
					TAB NO	69	ATLAS PHOTO	ON C	69	POD SE	QUENCE NO	805
JULY 31,1964 13 HR	23 MIN 22	2FC 001	Ma									
TRAJECTORY DATA				SEC TO	IMPACT 138	ALT	LAT L 2 -8.677 -24	CN	R 2070 73	V 7 2 434	PTH	AZ
PHOTO DATA											-66.929 11	
PT LAT LCN 2 -11.259 -19.645	RANGE 384 74209	AZS/C		AZSUN	AZA	A*	8/A AZPHAZ 0.845 -90.5	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
3 -11.097 -19.876	380.36422	-59.3	8.0	83.2 -82.9	31.0	2.67044	0.857 -89.7	68.3	40.1 31.0	27.4	8.44953	1- 2 2- 3
4 -11.090 -19.464 5 -11.445 -19.404	386.17188	-60.9 -58.3	8.5 8.7	-82.9 -83.6	30.6 31.3	2.71114			38.5 32.8		12.22998	3- 4
6 -11.446 -19.820	383.68099	-56.6	8.2	-83.6	31.7	2.69360	0.848 -91.5		40.1 32.0		10.90290	
7 -11.097 -19.876	380.36422	-59.3	8.0	-82.9	31.0	2.67044	C.857 -89.7	68.3	40.1 31.0	27.4	10.71791	6- 7
JULY 31,1964 13 HR	23 MIN 24	SEC 341	MS		TAB NO	70	ATLAS PHOTO	ON C	70	POD SE	QUENCE NO	807
	23 MIN 24	SEC 341	MS								•	
TRAJECTORY DATA	23 MIN 24	SEC 341	MS	SEC TO	IMPACT	ALT		.EN	R	٧	PTH -66.902 11	AZ
TRAJECTORY DATA PHOTE DATA PT LAT LON	RANGE	AZS/C		SEC TO	IMPACT	ALT 331.51652	LAT L 2 -8.696 -24	CN -771	R 2066.97	V '4 2.436 -	PTH	AZ
TRAJECTORY DATA  PHOTE DATA PT LAT LCN 2 -11.253 -19.653	RANGE 380.50407	AZS/C	AZN 8.3	SEC TO 144 AZ SUN -83.2	IMPACT 458 AZA 31.1	ALT 331.51652 A* 2.67191	LAT L 2 -8.696 -24 8/A AZPHAZ 6.845 -90.5	CN .771 INCC 68.6	R 2066.97 PHAZ EMIS 39.3 32.3	V 4 2.436 -	PTH -66.902 11 SCALE 0.	AZ 15.493 PT-PT 1- 2
TRAJECTORY DATA PHOTE DATA PT LAT LON	RANGE	AZS/C	ΔZN	SEC TO 144	IMPACT -458 AZA 31-1 31-0	ALT 3?1.5165;	LAT L 2 -8.696 -24 B/A AZPHAZ C.845 -9C.5 0.857 -89.7	EN .771 INCC 68.6	R 2066.97 PHAZ EMIS 39.3 32.3 40.1 31.0	V 4 2.436 - 5 ALPHA 5 28.3 1 27.4	PTH -66.902 11 SCALE 0. 8.35598	AZ 15.493 PT-PT 1+ 2 2- 3
TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 5 -11.437 '9.414	RANGE 380.50407 376.17554 381.91754 385.31148	AZS/C -58.9 -59.3 -60.9 -58.3	AZN 8.3 8.0 8.5 8.7	SEC TO 144 AZ SUN -83.2 -82.9 -82.9	AZA 31.1 31.0 30.6 31.3	ALT 331.51652 A* 2.67191 2.64104 2.68128 2.70512	LAT L 2 -8.696 -24  B/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5	EN .771 INCC 68.6 68.3 68.7 68.8	PHAZ EMIS 39-3 32-3 40-1 31-0 38-5 33-8	V 4 2.436 -	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.78231	AZ 15.493 PT-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA PHOTE DATA PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 5 -11.437 -9.414 6 -11.438 -9.820	RANGE 380.50407 376.17554 381.91754	AZS/C -58.9 -59.3 -60.9 -58.3	AZN 8.3 8.0 8.5	AZ SUN -83.2 -82.9 -82.9 -83.6	AZA 31.1 31.0 30.6 31.3 31.7	ALT 331.5185; A* 2.67191 2.64104 2.68128 2.70512 2.66393	LAT L 2 -8.696 -24 8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.848 -91.5	EN .771 INCC 68.6 68.3 68.7 68.8	PHAZ EMIS 39-3 32-3 40-1 31-0 38-5 32-8 40-1 32-0	V ALPHA 28.3 27.4 29.4 29.2 27.2	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.78231 12.23134	AZ 15.493 PT-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 5 -11.437 -19.414 6 -11.438 -19.2620	RANGE 380.50407 376.17554 381.91754 385.31148 379.45474	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7	AZN 8.3 8.0 8.5 8.7 8.2	SEC TO 144 AZSUN -83.2 -82.9 -83.6 -83.6	AZA 31.1 31.0 30.6 31.3 31.7 31.0	ALT 3?1.5165; A* 2.67191 2.64104 2.68128 2.70512 2.66393 2.64104	LAT 2 -8.696 -24 8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.842 -91.5 C.857 -89.7	EN .771 INCC 68.6 68.3 68.7 68.6	R 2066.97 PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.5 33.7 40.1 32.0 40.1 31.0	V 4 2.436 - 6 ALPHA 28.3 27.4 29.4 29.2 27.2 27.4	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.78231 12.23134 10.59959	AZ 15.493 PT-PT 1+ 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA PHOTE DATA PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 5 -11.437 -9.414 6 -11.438 -9.820	RANGE 380.50407 376.17554 381.91754 385.31148 379.45474 376.17554	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7 -59.3	8.3 8.0 8.5 8.7 8.2 8.0	SEC TO 144 AZSUN -83.2 -82.9 -83.6 -83.6	AZA 31.1 31.0 30.6 31.3 31.7	ALT 331.5185; A* 2.67191 2.64104 2.68128 2.70512 2.66393	LAT L 2 -8.696 -24 8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.848 -91.5	EN .771 INCC 68.6 68.3 68.7 68.6	PHAZ EMIS 39-3 32-3 40-1 31-0 38-5 32-8 40-1 32-0	V 4 2.436 - 6 ALPHA 28.3 27.4 29.4 29.2 27.2 27.4	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.78231 12.23134	AZ 15.493 PT-PT 1+ 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN  2 -11.253 -19.653  3 -11.093 -19.881  4 -11.086 -19.474  5 -11.437 -9.414  6 -11.438 -9.820  7 -11.093 -19.861	RANGE 380.50407 376.17554 381.91754 385.31148 379.45474 376.17554	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7 -59.3	8.3 8.0 8.5 8.7 8.2 8.0	SEC TO 144 AZ SUN -83.2 -82.9 -03.6 -82.9	AZA 31.1 31.0 30.6 31.7 31.0 TAB NO	ALT 321.5165; A.* 2.67191 2.64104 2.68128 2.70512 2.66393 2.64104 71	LAT LAT 2 -8.696 -24 2 -8.696 -24 8/A AZPHAZ C.845 -90.5 0.857 -89.7 0.841 -89.6 0.832 -91.5 0.842 -91.5 0.857 -89.7 ATLAS PHOTO	INCC 68.6 68.3 68.7 68.4 68.3 NO	R 2066.97 PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.5 33.1 40.1 32.0 40.1 31.0	V 2.436 ALPHA 2.26.3 27.4 2.27.4 2.27.4 POD SE	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.78231 12.23134 10.59959 QUENCE NO	AZ 15.493 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 ) 809
TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.481 4 -11.086 -19.474 5 -11.437 -4.414 6 -11.438820 7 -11.093 -19.561  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 380.50407 376.17554 381.91754 385.31148 379.45474 376.17554	AZS/C -58.3 -59.3 -60.9 -58.3 ->6.7 -59.3	AZN 8.3 8.0 8.5 8.7 8.2 8.0	AZ SUN - H 3.2 - H 2.9 - 82.9 - 83.6 - 82.9 SEC TO 142	AZA 31.1 31.0 30.6 31.3 31.7 31.0 TAB NO	ALT 321.5165; A.* 2.67191 2.64104 2.68128 2.70512 2.66393 2.64104 71	LAT	INCC 68.6 68.3 68.4 68.4 68.3 NO	R 2066.97 PHAZ EMIS 39.3 32.3 40.1 32.0 38.5 33.7 40.1 32.0 40.1 31.0 71	V 2.436 ALPHA 28.3 27.4 29.4 29.2 27.4 POD SE	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.78231 12.23134 10.59959 QUENCE NO	AZ 15.493 PT-PT 1-2 2-3 3-4 4-5 5-6-7 9 809
TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 5 -11.437 -19.414 6 -11.438 -19.820 7 -11.093 -19.661  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA TT LAT COM	RANGE 380, 50407 376, 17554 381, 91754 385, 31148 379, 45474 376, 17554	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7 -59.3	AZN 8.3 8.0 8.5 8.7 8.2 8.0	AZ SUN -83.2 -82.9 -82.9 -82.9 -82.9 SEC TO 142 AZ SUN	AZA 31.1 31.0 30.6 31.3 31.7 31.0 TAB NO	ALT 321.51E52 2.67191 2.64104 2.68128 2.70512 2.66393 2.64104 71 ALT 327.7538	LAT L 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.845 -91.5 C.845 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24 B/A AZPHAZ	EN	R 2066-91 PHAZ EMIS 39-3 32-3 40-1 31-0 38-5 32-8 40-1 31-0 71 R 2063-20	V 2.436 ALPHA 28.3 27.4 29.2 27.2 27.4 POD SE	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.78231 12.23134 10.59959 QUENCE NO	AZ 15.493 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 ) 809
TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 6 -11.437 -4.414 6 -11.438820 7 -11.093 -19.466  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA 7. LET LON 2 -11.248 -19.661 3 -11.089 -19.887	RANGE 380-50407 376-17554 381-91754 385-31148 379-45474 376-17554 23 MIN 26	AZS/C -58.9 -59.3 -60.3 -58.3 -26.7 -59.3 SEC 21	AZN 8.3 8.0 8.5 8.7 8.2 8.0	AZSUN -83.2 -82.9 -83.6 -82.9 SEC TO 142  AZSUN -83.2 -82.9 -33.6 -82.9	AZA 31.1 31.0 30.6 31.3 31.7 31.0 TAB NO	ALT 321-5165; 2.67191 2.64104 2.68128 2.70512 2.66393 2.64104 71 ALT 327-7538; 4.64212 2.64212 2.61160	LAT L 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.845 -91.5 C.845 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24  B/A AZPHAZ C.645 -90.5 C.657 -89.7	EN .771 INC D 68.3 68.7 68.4 68.3 NO CN .730 INC D 68.5 68.4 68.3	R 2066-97 PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.5 33.1 40.1 32.0 40.1 31.0 PHAZ EMIS 39.3 32.2 40.3 33.2 40.1 31.0	V 2.436 - 28.3 27.4 29.2 27.2 27.4 POD SE	PTH -66.902 11 SCALE 0. 8.35598 12.0942.1 10.78231 12.23134 10.59959 QUENCE NC	AZ 15.493 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 ) 809 AZ 15.486 PT-PT 1- 2 2- 3
PHOTO DATA PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.481 4 -11.086 -19.474 6 -11.437 -4.414 6 -11.438	RANGE 380-50407 376-17554 381-31754 379-45474 376-17554 23 MIN 20	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7 -59.3 SEC 21	AZN 8.3 8.5 8.7 8.2 8.0 MS	AZSUN 43.2 - 12.9 - 33.6 - 82.9 SEC TO 142 AZSUN 142.9 - 83.6 - 82.9	IMPACT .458 .31.1 .31.0 .30.6 .31.3 .31.7 .31.0 .TAB NO	ALT 321.5165; 2.67191 2.64104 2.68128 2.70512 2.66393 2.64104 71 ALT 327.7538; 4.64212 2.651160 2.651160	LAT L 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24 C.645 -90.5 C.6557 -89.7 C.841 -89.6	EN	PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.9 33.1 40.1 32.0 71 71 R 2063.20 PHAZ EMIS 39.3 32.3 40.1 31.0	ALPHA 28.3 27.4 29.2 27.2 27.4 POD SE	PTH -66.902 1) SCALE 0. 8.35598 12.09447 10.78231 12.23134 10.59959 QUENCE NC PTH -66.875 1) SCALE 0. 8.26221 11.95884	AZ 15.493 PT-PT 1+22-3 3-44-5 5-6-7 ) 809 AZ 15.486 PT-PT 1-22-3 3-43
PHOTO DATA PHOTO DATA PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.481 4 -11.086 -19.474 6 -11.437 -4.414 6 -11.438	RANGE 360.50407 376.17554 381.91754 385.31148 379.45474 376.17554 23 MIN 26 376.26218 371.98301 377.65931 361.01415	AZS/C -58-9 -59-3 -60-9 -58-3 -59-3 SEC 21 AZS/C -58-9 -59-3 -60-9 -58-4 -56-7	AZN 8.3 8.5 8.7 8.2 8.0 MS	SEC TO 144 AZSUN - H3.2 - H2.9 - H3.6 - H3.6 - H3.6 - H3.2 - H3.2 - H2.9 - H3.2 - H3.6 - H3.2 - H3.2 - H3.2 - H3.6 - H3.6 - H3.6 - H3.2 - H3.6 - H3.6	IMPACT .458	ALT 321-5165; 2.67191 2.64104 2.68128 2.70512 2.66393 2.64104 71 ALT 327-7538; 4.64212 2.64212 2.61160	LAT L 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.845 -91.5 C.846 -91.5 C.847 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24  B/A AZPHAZ C.845 -90.5 C.857 -89.7 C.841 -89.6 C.832 -91.5	EN .771 INC C 68.3 68.7 68.4 68.3 NO CN .730 INC C 68.5 68.3 68.7 68.8	R 2066-97 PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 33.1 40.1 32.0 40.1 31.0 71  R 2063-20 PHAZ EMIS 39.3 32.2 40.1 31.0	V 2.436 · ALPHA 28.3 27.4 29.2 27.2 27.4 POD SE	PTH -66.902 11 SCALE 0. 8.35598 12.0942.1 10.78231 12.23134 10.59959 QUENCE NC	AZ 15.493 PI-PI 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 0 809 AZ 15.486 PI-PI 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 6 -11.437 -4.414 6 -11.437 -4.414 6 -11.438826 7 -11.093 -19.861  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  TT LAT LCN 2 -11.248 -19.661 3 -11.089 -19.887 4 -11.089 -19.485 5 -11.429 -19.425	RANGE 360-50407 376-17554 381-91754 385-31148 379-45474 376-17554 23 MIN 26 376-26218 376-26218 371-65931 371-65931 371-1415	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7 -59.3 SEC 21 AZS/C -58.9 -60.9 -58.4	AZN 8.3 8.5 8.7 8.2 8.0 MS	AZ SUN -83.2 -82.9 -83.6 -82.9 SEC TO 142 AZ SUN -83.2 -9 -83.6 -82.9 SEC TO 2.9 -82.9 -82.9 -83.6 -82.9	IMPACT .458	ALT 321.5165; 2.67191 2.64104 2.68128 2.70532 2.664104 71 ALT 327.7538; A.e. 2.64212 2.65138 2.65138 2.65138	LAT L 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 C.841 -89.6 C.832 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24  8/A AZPHAZ C.645 -90.5 C.651 -69.7 C.841 -89.6 C.832 -91.5 C.648 -90.5 C.648 -90.5 C.648 -90.5 C.6348 -91.5	EN .771  INCC 68.6 68.3 68.7 68.4 68.3 NO INCC 68.3 68.7 68.8 68.8 68.8 68.8 68.8 68.8 68.8	PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 40.1 31.0 71 2063.20 PHAZ EMIS 33.3 40.1 31.0 39.3 32.3 40.1 31.0 39.3 32.3 40.1 31.0 38.5 32.8	ALPHA 28.3 27.4 POD SE	PTH -66.902 11 SCALE 0. 8.35592 12.09447 10.78231 12.23134 10.59959 QUENCE NC PTH -66.875 11 SCALE 0. 8.26220 11.95884	AZ 15.493 PT-PT 1-2 2-3 3-4 4-5 5-6-7 ) 809 AZ 15.486 PT-PT 1-2 2-3 3-4 4-5 5-5-6-7
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PHOTU DATA PHOTU DATA PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 5 -11.437 -4.414 6 -11.438820 7 -11.093 -19.861  JULY 31,1964 13 HR  PHOTO DATA TO LATA PHOTO DATA TO LATA 11.082 -19.887 4 -11.082 -19.484 5 -11.429 -19.425 6 -11.431 -19.833 7 -11.089 -19.887 JULY 31,1964 13 HR	RANGE 360-50407 376-17554 381-91754 385-31148 379-45474 376-17554 23 MIN 26 376-26218 571-98301 377-65931 377-65931 371-98301	AZS/C -58-9 -59-3 -60-9 -58-3 -56-7 -59-3 SEC 21 AZS/C -58-9 -69-3 -60-9 -58-4 -56-7 -59-3	AZN 8.3 8.0 8.5 8.7 8.2 8.0 MS	SEC TO 144  AZ SUN - 143.2 - 9 - 143.6 - 82.9  SEC TO 142  AZ SUN - 142  AZ SUN - 143.6 - 83.2 - 9 - 83.6 - 83.6 - 83.6 - 83.6 - 83.6	IMPACT .4583  AZA .31.1 .31.0 .30.6 .31.3 .31.7 .31.0 .31.4 .31.1 .01.1	ALT 321.5165; 2.67191 2.64104 2.68128 2.70512 2.66393 2.64104 71  ALT 327.7538; 2.64212 2.61160 2.65138 2.67455 2.63423 2.63423 2.63423 2.61160	LAT 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.857 -89.7  ATLAS PHOTO  LAT 5 -8.715 -24  B/A AZPHAZ C.645 -90.5 C.657 -89.7  C.841 -89.6 C.832 -91.5 C.657 -89.7  ATLAS PHOTO  ATLAS PHOTO	CN .771 INCC 68.6 68.3 68.7 68.5 68.4 68.3 O NO	PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.9 33.1 40.1 32.0 71 71 R 2063.20 PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.5 33.1 40.1 31.0	ALPHA 28.3 27.4 29.2 27.4 POD SE	PTH -66.902 1) SCALE 0. 8.35598 12.09447 10.78231 12.23134 12.23134 12.59359 QUENCE NC PTH -66.875 1) SCALE 0. 8.26220 11.95884 10.66161 12.059407 10.48105	AZ 15.493 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 ) 809 AZ 15.486 PT-PT 1-2 2-3 3-4 4-5 5-6 7
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TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.096 -19.474 6 -11.437 -4.414 6 -11.437 -4.414 6 -11.438826 7 -11.093 -19.476  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA 77 L27 2 -11.248 -19.661 3 -11.089 -19.887 4 -11.082 -19.487 5 -11.429 -19.425 6 -11.431 -19.833 7 -11.089 -19.887  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 360-50407 376-17554 381-91754 385-31148 379-45474 376-17554 23 MIN 26 376-26218 376-26218 376-26218 371-65931 381-01415 375-22460 371-98301 23 MIN 27	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7 -59.3 SEC 21 AZS/C -58.9 -59.3 -60.9 -58.4 -56.7 -59.3	AZN 8.3 8.5 8.7 8.2 8.0 MS	SEC TO 144  AZ SUN 142.9  -83.6  -82.9  SEC TO 142  AZ SUN 283.6  -83.6  -82.9  SEC TO 142  SEC TO 142	AZA 31.1 31.0 30.6 31.3 31.7 31.0 TAB NO  IMPACT .778  AZA 31.1 31.0 30.6 31.7 31.0 TAB NO	ALT 321.5185; 2.67191 2.64104 2.68128 2.705393 2.64104 71 ALT 327.7538; A.e. 2.64212 2.61160 2.65138 2.67495 2.63423 2.61160	LAT L 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24  8/A AZPHAZ C.545 -9C.5 C.857 -89.7 C.844 -89.6 C.832 -91.5 C.857 -89.7 ATLAS PHOTO  LAT L 5 -8.735 -24	EN .7711  INCE C8. 6 6.3 3 68.7 7 68. 8 68.3 ) NO  CN .730  INCE 68.5 98.3 68.4 68.3 D NO  CN .66.8 9	R 2066.97 PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.5 32.8 40.1 31.0 71  2063.20 PHAZ EMIS 39.3 32.2 40.1 31.0 38.5 32.8 40.1 31.0 72  2059.44	V 2.436 ALPHA 28.3 27.4 29.2 27.2 27.4 POD SE 28.3 28.3 28.3 28.3 28.3 28.3 28.3 28.3	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.78231 12.23134 10.59959 QUENCE NC PTH -66.875 11 SCALE 0. 8.26220 11.95841 10.66161 12.09407 10.48105 EQUENCE NC	AZ 15.493 PT-PT 1-2 2-3 3-4 4-5 5-6-7 ) 809 AZ 15.486 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 811
TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.096 -19.474 6 -11.437 -1.414 6 -11.437 -1.414 6 -11.438366  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA 7. LAT LCN 2 -11.248 -19.661 3 -11.089 -19.887 4 -11.089 -19.887 4 -11.089 -19.887 7 -11.089 -19.833 7 -11.089 -19.837  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LCN 2 -11.421 -19.833 7 -11.242 -19.833	RANGE 360-50407 376-17554 381-91754 385-31148 379-45474 376-17554 23 MIN 26 376-26218 371-65931 361-01415 375-22460 371-98301 25 MIN 27	AZS/C -58,3 -60,9 -59,3 -60,9 -58,3 -66,7 -59,3 SEC 21 AZS/C -58,9 -56,7 -59,3 SEC 701	AZN 8.3 8.0 8.5 8.7 8.2 8.0 MS	SEC TO 144 AZ SUN -83.6 -82.9 SEC TO 142 AZ SUN -83.6 -82.9 SEC TO 142 AZ SUN -83.6 -82.9 -83.6 -82.9 -83.6 -82.9 AZ SUN -83.6	AZA 31.1 31.0 30.6 31.3 31.7 31.0 TAB NO  IMPACT .778  AZA 31.1 31.0 TAB NO  IMPACT .778  AZA 31.7 31.0 TAB NO	ALT 321.5185; A. 2.67191 2.64104 2.68128 2.70539 2.64104 71 ALT 327.7538: A. 2.64212 2.61160 2.65138 2.67495 2.63423 2.61160 72 ALT 323.9873 A. 2.61231	LAT L 2 -8.696 -24 8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.845 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24 8/A AZPHAZ C.545 -90.5 C.832 -91.5 C.857 -89.7 ATLAS PHOTO  LAT L 5 -8.735 -24 E/A AZPHAZ C.645 -90.5 C.832 -91.5 C.832 -91.5 C.832 -91.5 C.834 -91.5 C.834 -91.5 C.835 -91.5 C.835 -91.5 C.836 -91.5 C.836 -91.5 C.837 -89.7	CN .771 INCD .68.6 .68.7 .68.6 .730 INCD .68.8 .68.7 .68.8 .7 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8	PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.9 33.1 40.1 31.0 71  R 2063.20 PHAZ EMIS 39.3 32.2 40.1 31.0 72  R 2059.44 PHAZ EMIS	ALPHA 28.3 27.4 29.2 27.4 POD SE  V 29.2 27.4 POD SE  V 29.2 27.4 POD SE  V 30.2 27.4 POD SE	PTH -66.902 11 SCALE 0. 8.355947 10.782314 10.59959 QUENCE NO PTH -66.875 11 SCALE 0. 8.26220 11.95841 10.66161 12.09407 10.66184 12.09407 10.66184 SCALE 0. PTH -66.848 11 SCALE 0.	AZ 15.493 PT-PT 1-2 2-3 3-4 4-5 5-6-7 ) 809 AZ 15.486 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 811
PHOTU DATA PHOTU DATA PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 6 -11.437 -4.414 6 -11.438	RANGE 380-50407 376-17554 381-31754 379-45474 376-17554 23 MIN 20 376-26218 371-98301 377-65931 361-01415 375-22460 371-98301 25 MIN 27	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7 -59.3 SEC 21 AZS/C -58.9 -59.3 SEC 701 AZS/C -58.9	AZN 8.3 8.5 8.7 8.2 8.0 MS AZN 8.3 8.0 8.5 8.7 8.0	SEC TO 144  AZ SUN 2-142.9  -83.6  -83.6  -82.9  SEC TO 142  AZ SUN 2-141  AZ SUN 3-141  AZ SUN 3-141  AZ SUN 141	IMPACT .458  AZA 31.1 31.0 30.6 31.3 31.7 31.0  TAB NO  IMPACT .778  AZA 31.1 31.0  TAB NO  IMPACT .909  AZA 31.7 31.0	ALT 321.5165;  2.67191 2.64104 2.68128 2.70512 2.66393 2.64104 71  ALT 327.7538!  A. 2.64212 2.61120 2.65138 2.67455 2.63423 2.61160 72  ALT 323.9873	LAT L 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 C.841 -89.6 C.832 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24  8/A AZPHAZ C.645 -90.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24  B/A AZPHAZ C.645 -90.5 C.657 -89.7  ATLAS PHOTO  LAT L C.846 -91.5 C.848 -91	CN .771 INCC 68.6 68.3 68.4 66.3 ) NO CN .730 INCC 68.6 68.3 0 NO CN .669 INCC 68.3 68.8 66.3 0 NO CN .669	R 2066.91  PHAZ EMIS 39.3 32.3 40.1 31.0  71  R 2063.20  PHAZ EMIS 39.3 32.3 40.1 31.0  71  R 2063.20  PHAZ EMIS 39.3 32.3 40.1 31.0  72  PHAZ EMIS 39.3 32.3 40.1 31.0  72	V 2.436 ALPHA 28.3 27.4 POD SE 27.2 27.2 27.4 POD SE 27.2 27.2 27.4 POD SE 28.3 27.4 POD SE 28.3 27.4 PAGE 28.3 27.4 P	PTH -66.902 11 SCALE 0. 8.35598 12.09447 10.7823134 10.59959 QUENCE NC PTH -66.875 11 SCALE 0. 8.26220 11.95884 10.66161 12.09407 10.48105 CQUENCE NC	AZ 15.493 PT-PT 1-2 2-3 3-4 5-6 6-7 ) 809 AZ 15.486 PI-PT 1-2 2-3 3-4 5-6 6-7 0 811
TRAJECTORY DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.086 -19.474 6 -11.437 -4.414 6 -11.438826 7 -11.093 -15.66  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA 77 LCT LCN 2 -11.248 -19.661 3 -11.089 -19.887 4 -11.082 -19.434 5 -11.429 -19.425 6 -11.431 -19.833 7 -11.089 -19.887  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  TRAJECTORY DATA  PT LAT LCN 2 -11.242 -19.669 3 -11.085 -19.892 4 -11.078 -19.494 5 -11.425 -19.892 4 -11.078 -19.494 5 -11.427 -19.893	RANGE 360.50407 376.17554 381.91754 385.31148 379.45474 376.17554 23 MIN 26 376.2621H 371.65931 361.0115 375.22460 371.98301 23 MIN 27 RANGE 372.01656 372.01656 373.39737 376.17310	AZS/C -58-3 -60-9 -58-3 -56-7 -59-3 SEC 21 AZS/C -58-3 -60-9 -59-3 SEC 701 AZS/C -59-3 -60-7 -59-3	AZN 8.3 8.0 8.5 8.7 8.2 8.0 MS	SEC TO 144 AZ SUN - 83.6 - 82.9 - 83.6 - 82.9 SEC TO 142 AZ SUN - 83.2 - 82.9 - 83.6 - 82.9 - 83.6 - 82.9 - 82.0 -	AZA 31.1 31.0 30.6 31.3 31.7 31.0 TAB NO  IMPACT .778  AZA 31.1 31.0 TAB NO  IMPACT .099  AZA 31.1 31.0  IMPACT .099  AZA 31.1 31.0	ALT 321.5185; A. 2.67191 2.64104 2.68128 2.70539 2.64104 71 ALT 327.7538: A. 2.64212 2.61160 2.65138 2.67495 2.63423 2.61160 72 ALT 323.9873 A. 2.61231	LAT L 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 5 -8.715 -24  8/A AZPHAZ C.645 -9C.5 C.832 -91.5 C.857 -89.7  ATLAS PHOTO  LAT L 6 AZPHAZ C.657 -89.7  ATLAS PHOTO  LAT L 7 -8.735 -24  B/A AZPHAZ C.645 -9C.5 C.657 -89.7  ATLAS PHOTO  B/A AZPHAZ C.645 -9C.5 C.657 -89.7  ATLAS PHOTO  C.844 -91.5 C.855 -89.7  ATLAS PHOTO  C.845 -9C.5 C.855 -89.7  C.841 -89.6	EN .7711 INCC 68.6 68.3 68.4 7 68.6 68.3 NO INC EN .68.6 8 7 68.6 8 7 68.6 8 7 68.6 8 7 68.6 8 68.4 68.6 68.4 68.6 68.6 68.6 68	PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.9 33.1 40.1 31.0 71  R 2063.20 PHAZ EMIS 39.3 32.2 40.1 31.0 72  R 2059.44 PHAZ EMIS	V 2.436 · ALPHA 28.3 · 27.4 · 29.4 · 29.2 · 27.4 POD SE 2.437 · ALPHA 28.3 · 27.4 POD SE 2.437 · 29.2 · 27.4 · 29.2 · 27.4 · 29.2 · 27.4 · 29.2 · 27.4 · 29.2 · 27.4 · 29.2 · 27.4 · 29.2 · 27.4 · 29.4 ·	PTH -66.902 11 SCALE 0. 8.355947 10.782314 10.59959 QUENCE NO PTH -66.875 11 SCALE 0. 8.26220 11.95841 10.66161 12.09407 10.66184 12.09407 10.66184 SCALE 0. PTH -66.848 11 SCALE 0.	AZ 15.493 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 ) 809 AZ 15.486 PT-PT 1-2 2-3 3-4 4-5 5-6 7 0 811 AZ 15.479 PT-PT 1-2 2-3 3-4 3-5 3-6 3-7 0 811
PHOTU DATA  PHOTU DATA  PT LAT LCN 2 -11.253 -19.653 3 -11.093 -19.881 4 -11.096 -19.474 6 -11.437 -4.414 6 -11.437 -4.414 6 -11.438820 7 -11.093 -19.461  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTU DATA 77 LAT LCN 2 -11.248 -19.661 3 -11.089 -19.887 4 -11.082 -19.887 7 -11.089 -19.887 7 -11.089 -19.887 7 -11.089 -19.887  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTU DATA PHOTU DAT	RANGE 380-50407 376-17554 381-91754 385-3118 379-45474 376-17554 23 MIN 26 376-26218 371-95301 377-65931 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301 371-95301	AZS/C -58.9 -59.3 -60.9 -58.3 -56.7 -59.3 SEC 21 AZS/C -58.9 -60.9 -56.7 -59.3 SEC 701	AZN 8.3 8.0 8.5 8.7 8.0 MS AZN 8.3 8.0 MS	SEC TO 144  AZ SUN 2-9  -83-6  -82-9  SEC TO 142  AZ SUN 2-9  SEC TO 142  AZ SUN 3-6  -82-9  SEC TO 142  AZ SUN 3-6  -82-9  -83-6  -82-9  SEC TO 141  AZ SUN 3-7  -83-6  -82-9  -83-6  -82-9  -83-6  -82-9  -83-6  -82-9  -83-6  -82-9  -83-6  -82-9  -83-6  -82-9  -83-6  -82-9	IMPACT .458	ALT 321.5165; 2.67191 2.64104 2.68128 2.705393 2.64104 71 ALT 327.7538; A.e.264212 2.61160 2.65138 2.67495 2.63423 2.61160 72 ALT 323.9873 A.e.264212 2.63423 2.61160	LAT 2 -8.696 -24  8/A AZPHAZ C.845 -9C.5 0.857 -89.7 C.841 -89.6 C.832 -91.5 C.857 -89.7  ATLAS PHOTO  LAT 5 -8.715 -24  8/A AZPHAZ C.845 -90.5 C.857 -89.7  ATLAS PHOTO  LAT C.841 -89.6 C.848 -91.5 C.857 -89.7  ATLAS PHOTO  LAT 7 -8.735 -24  8/A AZPHAZ C.845 -9C.5 C.857 -89.7  ATLAS PHOTO  LAT 7 -8.735 -24  8/A AZPHAZ C.845 -9C.5 C.857 -89.7  C.841 -89.6 C.848 -9C.5 C.857 -89.7 C.841 -89.6 C.848 -9C.5 C.857 -89.7 C.841 -89.6 C.848 -9C.5 C.857 -89.7 C.841 -89.6 C.848 -9C.5 C.857 -89.7 C.841 -89.6 C.848 -9C.5 C.857 -89.7 C.841 -89.6 C.848 -9C.5 C.857 -89.7 C.841 -89.6 C.848 -9C.5 C.857 -89.7 C.841 -89.6 C.848 -9C.5	EN .771 INCC 68.6 68.3 68.4 68.3 68.3 68.3 688.4 688.4	R 2066.91  PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 38.5 32.8 40.1 32.0 40.1 31.0 71  2063.20  PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 40.1 31.0 72  2059.44  PHAZ EMIS 39.3 32.3 40.1 31.0 38.5 32.8 40.1 32.0 40.1 31.0 38.5 32.8	V 2.436  ALPHA 28.3 27.4 29.2 27.2 27.4 POD SE  V 9 2.437  ALPHA 28.3 27.4 29.4 29.4 29.4 29.4 27.2 27.4 POD SE	PTH -66.902 11 SCALE 0. 8.355947 10.78231 12.23134 10.59959 QUENCE NC  PTH -66.875 11 SCALE 0. 8.26220 11.95810 12.09407 10.48105 GQUENCE NC  B.16839 11.82312	AZ 15.493 PT-PT 1-2 2-3 3-4 5-6 6-7 ) 809 AZ 15.486 PI-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 811 AZ 15.479 PI-PT 1-2 2-3 3-4 4-5 5-6 5-7 0 811

		RA-VII CAMERA	P2.	_		13
JULY 31,1964 13 HR	_23 MIN 29_SEC 381 MS	TAB NO	73	ATLAS PHOTO NO		POD SEQUENCE NO 813
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LCN -8.754 -24.648	R 2055 474	Y PTH AZ 2.441 -66.820 115.472
PHOTO DATA						
PHOTO DATA PT LAT LON 2 -11.236 -19.677	RANGE AZS/C AZN	AZSUN AZA -83.2 31.1	A=		PHAZ EMIS A	
3 -11.080 -19.898	367.76614 -58.9 8.3 363.58587 -59.3 8.0	-82.9 31.0	2.55265 0	1.845 -90.5 68.5 1.857 -89.7 68.3	39.3 32.3	28.3 0. 1- 2 27.4 8.07447 2- 3
	369.13067 -60.9 8.4		2.59151 0	.841 -89.6 68.7	38.5 32.7	29.4 11.68723 3-4
5 -11.413 -19.447	372.40717 -58.4 8.7	-83.6 31.3	2.61453 0	1.832 -91.5 68.8	38.5 33.7	29.2 10.41998 4-5
6 -11.415 -19.845	366.75217 -56.7 8.2	83.6. 31.7	_ 2.57475 C	848 -91.5 68.4	40-1 32-0	27.2 11.81912 5- 6 27.4 10.24385 6- 7
7 -11.080 -19.898	363.58587 -59.3 8.0	-82.9 31.0 TAB NO	2.55265 C		74	POD SEQUENCE NO 815
JULY 31,1964 13 HR	23 MIN 31 SEC 61 MS	,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LCN	2051-904	V PTH AZ 2.443 -66.793 115.465
PHOTO DATA						
PT LAT LCN 2 -11.230 -19.685	RANGE AZS/C AZN	AZSUN AZA -83.2 31.1	2 66750 7	8/A AZPHAZ INCO 3.845 -90.5 68.5	PHAZ EMIS A	LPHA SCALE PT-PT 28.3 0. 1-2
3 -11.076 -19.904	359.38002 -59.3 8.0	-82.9 31.0	2.52312 (	3.857 -89.6 68.3	40.1 31.0	27.4 7.98044 2- 3
4 -11.070 -19.515	364.85892 -60.9 8.4		2.56152		38.5 32.7	29.4 _ 11.55118 _ 3- 4 _
5 -11.405 -19.458	368.09609 -58.4 8.7	-83.6 31.3	2.58426 (	C.632 -91.5 68.8	38.5 33.7	29.2 10.29904 4-5
6 -11.407 -19.852		-03.6 31.7	2.54496 (			27.2 11.68139 5- 6 27.4 10.12488 6- 7
7 -11.076 -19.904	359.38002 -59.3 8.0	-82.9 31.0	2.52312 (			
JULY 31,1964 13 HR	23 MIN 32,SEC 741 MS	TAB NO	75	ATLAS PHOTO NO	75	POD SEQUENCE NO 817
TRAJECTURY DATA		SEC TO IMPACT	AL T	LAT LON	R	V PTH AZ
		136.059		-8.793 -24.566	2048.131	V PTH AZ 2.445 -66.765 115.459
PHOTO DATA	RANGE AZS/C AZN	AZ SUN AZ A	A.	B/A AZPHAZ INCD	PHAZ EMIS A	ALPHA SCALE PT-PT
PT LAT LCN 2 -11.224 -19.694	359.25127 -58.9 8.3					28.3 0. 1-2
3 -11.072 -19.909	355.17021 -59.3 8.0	-82.9 31.0	2.49356 (	0.857 -89.6 68.3	40.1 31.0	27.4 7.88630 2-3
4 -11.066 -19.525	360.58317 -60.9 8.4	-82.8 30.6	2.53150	0.842 -89.6 68.7	38.5 32.7	29.4 11.41503 3-4
5 -11.39/ -19.469	363.78100 -58.4 8.7				38.5 33.7	29.2 10.17790 4- 5 27.2 11.54356 5- 6
6 -11.399 -19.858	358.26080 -56.7 8.2 355.17021 -59.3 8.0		2.51514 (		40.1 32.0	
7 -11.072 -19.909	395.17021 -59.3 8.0					
JULY 31,1964 13 HK	1 23 MIN 34 SEC 420 MS	TAB NO	76	ATLAS PHOTO NO	76	POD SEQUENCE NO 819
TRAJECTORY DATA		SEC TO IMPACT 134.379	ALT 308-90111	LAT LCN -8.812 -24.524	R 2044.356	V PTH AZ 2.446 -66.737 115.452
PHOTO DATA			300070111			
PHOTO DATA PT LAT LON 2 -11.218 -19.702	RANGE AZS/C AZN	AZSUN AZA	Δ.	B/A AZPHAZ INCO	PHAZ EMIS	ALPHA SCALE PT-PT
2 -11.218 -19.702	354,98795 -58.9 8.3	-83.2 31.1 -82.9 31.0	2.49273	0.845 -90.5 68.5 0.856 -89.6 68.3	39.3 32.3	28.3 0. 1- 2 27.4 7.79206 2- 3
3 -11.068 -19.915 4 -11.062 -19.536	350.95654 -59.3 8.0 356.30354 -60.9 8.4			C.842 -89.6 68.5	38.5 32.7	
5 -11.389 -19.480	359.46203 -58.4 8.7		2.52365	0.832 -91.5 68.7	38.5 33.7	29.1 10.05656 4- 5
6 -11.390 -19.865	354.0092756.7_ 6.2		2.48529	C.84891.5_ 68.4	40.1 32.0	27.1 11.40562 5= 6
7 -11.068 -19.915	350.95654 -59.3 8.0	-82.9 31.0	2.46398	C.858 -89.6 68.3	40.1 31.0	27.4 9.88672 6- 7
JULY 31.1964 13 HF	R 23 MIN 36 SEC 100 MS	TAB NO	77	ATLAS PHOTO NO	77	POD SEQUENCE NO 821
TRAJECTORY DATA		SEC TO IMPACT		LAT LCN	R	V PTH AZ
PHOTO DATA		132.699	305.12445	-8.832 -24.483	2040.580	2.448 -66.710 115.445
PT LAT LON	RANGE AZS/C AZN	AZSUN AZA	A •	B/A AZPHAZ INCE	PHAZ EMIS	ALPHA SCALE PT-PT
2 -11.212 -19.711	350.72062 -58.9 B.3	-83.2 31.1	2.46277	0.845 -90.5 68.5	39.3 32.3	28.3 0. 1-2
3 -11.064 -19.921	346.73889 -59.3 8.0	-82.9 31.0	2.43437	0.858 -89.6 68.3	3 40.1 31.0	
4 -11.057 -19.546	352.01990 -60.9 8.4 355.13903 -58.4 8.7	-82.8 30.6 -83.6 31.3	2.47138	0.842 -89.6 68.6 0.833 -91.5 68.	5 38.5 32.7 7 38.5 33.7	
5 -11.381 -19.492 6 -11.382 -19.871	349.75375 -56.7 8.2		2.45541	0.848 -91.5 68.4	40.1 32.0	27.1 11.26756 5- 6
7 -11.064 -19.921					3 40.1 31.0	27.4 9.76763 6- 7
		TAB NO	78	ATLAS PHOTO NO		POD SEQUENCE NO 823
	R 23 MIN 37 SEC 780 MS					
TRAJECTORY DATA		SEC TO IMPACT 131.019	ALT 3C1.346C4	LAT LON -8.851 -24.441	R 2036.801	V PTH AZ 2.450 -66.682 115.438
PHOTO DATA	0 ANCE 425/6 434	4 A7511N 474		B/A AZPHAZ INCI		ALPHA SCALE PT-PT
PT LAT LON 2 -11.206 -19.719		N AZSUN AZA 3 <u>-</u> 83.2 31.1	A. 2.43278	0.846 -90.5 68.		
3 -11.059 -19.927	342.51764 -59.3 H.	-83.2 31.1 -82.9 31.0	2.40473	0.858 -89.6 68.	3 40.1 31.0	21.4 1.60343 2- 3
3 -11.059 -19.927 4 -11.053 -19.557	347.73264 -60.9 8.4	-82.8 30.6	2.44128	0.842 -89.6 68.	6 38.5 32.7	29.4 11.00588 3- 4
5 -11.373 -19.503	350.81241 -58.4 8.		2.46292	0.833 -91.5 68.	7 38.5 33.6	29.1 9.81377 4-5 27.1 11.12941 5-6
6 -11.374 -19.878			2.42551	0.849 -91.5 68. 0.858 -89.6 68.	3 40.1 32.0	
7 -11.059 -19.927	342.51764 -59.3 8.0	-02.9 31.0	2.404/3	U.070 -07.0 08.	0.1 31.0	2.11

		R#	-VII CAMERA	P2			14
JULY 31,1964 13 HR			TAB NO	79	ATLAS PHOTO NO	79	POD SEQUENCE NO 825
TRAJECTORY DATA	23 MIN 34 SEC 460	-	TO IMPACT	ALT	LAT LON	R	V . PTh . AZ
		•	129.339	297.56537	-8.871 -24.399	2033.021	V PTH AZ 2.452 -66.654 115.431
PHOTO DATA PT LAT LON 2 -11.200 -19.728 3 -11.055 -19.933 4 -11.049 -19.568 5 -11.345 -19.514	RANGE AZS/C	AZN AZ	SUN AZA	A+	B/A AZPHAZ INCO	PHAZ EMIS	ALPHA SCÁLE PT-PT
3 -11.055 -19.933	338.29222 -59.3	8.0 -8	32.9 31.0	2.37507	0.846 -90.5 68.5 0.858 -89.6 68.3	40.1 31.0	28.3 0. 1- 2 27.4 7.50903 2- 3
4 -11.049 -19.568	343.44117 -60.9	8.4 -6	2.8 30.6	2.41115	0.842 -89.6 68.6 0.833 -91.5 68.7	38.5 32.7	
6 -11.366 -19.884	346.48156 -58.4 341.23131 -56.7	0.1 -0	,,,,,	LOTILIA	3.849 -91.5 68.3	40.1 32.0	27.1 10.99113 5-6
7 -11.055 -19.933	338.29222 -59.3	8.0 -8	32.9 31.0		0.858 -89.6 68.3		
JULY 31,1964 13 HR	23 MIN 41 SEC 140	MS	TAB NO	80	ATLAS PHOTO NO	80	POD SEQUENCE NO 827
TRAJECTORY DATA		SEC	TO IMPACT	ALI	LAI LON	R	V PTH AZ 2.454 -66.626 115.424
PHOTO DATA			127.659				
PHOTO DATA PT LAT LCN 2 -11.193 -19.737 3 -11.051 -19.939	RANGE AZS/C	AZN AZ	SUN AZA	A+	B/A AZPHAZ INCD 0.846 -90.5 68.5	PHAZ EMIS	ALPHA SCALE PT-PT
2 -11.193 -19.737	337.89540 -58.9	8.0 -6	33.2 31.1 12.9 31.0	2.37271	0.858 -89.6 68.3	40.1 31.0	28.2 0. 1- 2 27.4 7.41452 2- 3
4 -11.045 -19.578	339.14568	. 8.48	32.8 30.6 .	. 2.38099	0.842 -89.6 68.6	38.5 32.7	29.3 10.73254 3-4
5 -11.356 -19.526 6 -11.358 -19.891	342.14669 -58.4 336.96401 -56.7	8.7 -8 8.2 -6	33.6 31.3 33.6 31.7	2.40208 2.36562	0.833 -91.5 68.7 0.849 -91.5 68.3	38.5 33.6	29-1 9-57056 4- 5 27-1 10-85276 5- 6
7 -11.051 -19.939	334.06282 -59.3		2.9 31.0	2.34537			
			TAB NO	81	ATLAS PHOTO NO	81	POD SEQUENCE NO 829
JULY 31,1964 13 HK	23 MIN 42 SEC 820	M.S .			· · · · ·		
TRAJECTURY DATA		SEC	TO IMPACT 125.979	AL T 269.99799	LAT LON -8.911 -24.314	R 2025.453	V PTH AZ 2.456 -66.598 115.416
PHOTO DATA PT LAT LON	DANCE ATC/C	A7N A	7 CLINE A 7 A	A=	B/A AZPHAZ INCD	DHA7 EMIS	ALPHA SCALE PT-PT
2 -11.187 -19.746	333.6124658.9	8.38	83.2 31.1	2.34263	0.84690.5 . 68.5	39.3 32.2	28.2 0. 1-2
3 -11.046 -19.946	329.82963 -59.3	8.0 -8	32.9 31.0	2.31565	0.858 ~89.6 68.2	40.1 30.9	27.4 7.31991 2-3 29.3 10.59573 3-4
4 -11.040 -19.589 5 -11.348 -19.537	337.80801 -58.4	8.7 -6	83.6 31.2	2.37162			29.1 9.44890 4-5
6 -11.349 -19.898	332.69290 -56.7	8.2 -	83.6 31.7 82.9 31.0	2.33564	0.849 -91.5 68.3	40.1 31.9	27.1 10.71428 5- 6
7 -11.046 -19.946		8.0 -1		2.31565 82	0.858 -89.6 68.2 ATLAS PHOTO NO	40.1 30.9 82	27.4 9.28976 6- 7 POD SEQUENCE NO 831
JULY 31,1964 13 HR	23 MIN 44 SEC 500	MS	IAB NO	62	AIDAS FROID NO	62	FOD SEQUENCE NO 631
TRAJECTORY DATA			C TO IMPACT 124.300	286.21133	LAT LCN -8.931 -24.272	R 2021.667	V . PTH AZ - 2.457 -66.569 115.409
PHOTO DATA PT LAT LON	RANGE AZS/C 329.32490 -58.9 325.59191 -59.3	A7N A	7 S1IN 47 A		H/A AZPHAZ INCO	PHA7 FMIS	ALPHA SCALE PT-PT
2 -11.181 -19.754 3 -11.042 -19.952	329.32490 -58.9	8.3 -	83.2 31.1	2.31253	B/A AZPHAZ INCD 0.846 -90.5 68.4	39.3 32.2	
3 -11.042 -19.952 4 -11.036 -19.600	325.59191 -59.3 330.54245 -60.9	8.0 -	62.8 31.0 82.8 30.6	2.28590	C.858 -89.6 68.2 C.842 -89.6 68.6	40.1 30.9	27.4 7.22523 2- 3 29.3 10.45873 3- 4
5 -11.340 -19.549	333.46471 -58.4	0.7	83.6 31.2	2.34113		38.5 33.6	29.1 9.32696 4- 5
6 -11.341 -19.905	328.41727 -56.7 325.59191 -59.3	8.2 -	83.6 31.7 82.8 31.0	2.28590		40-1 31-9	27.1 10.57563 5- 6 27.4 9.17006 6- 7
7 -11.042 -19.952	325.59191 -59.3	8.0 -					
JULY 31,1964 13 HR	23 MIN 46 SEC 180	MS.	TAB NO	83	ATLAS PHOTO NO	83	POD SEQUENCE NO 833
TRAJECTORY DATA		SE	C TO IMPACT	ALT	LAT LCN	R	V PTH AZ
POGTO CATA			122.620	282.42256	-8.951 -24.229		3 2.459 -66.541 115.402
PT LAT LCN 2 -11-175 -19-763	RANGE AZ\$/C	ALN A	25UN AĒĀ 83.2 21 1	2.22320	0/A A7PHA7 INCD	PHAZ EMIS	ALPHA SCALE PT-PT
3 -11.037 -19.958	321.34929 -59.3	8.0 -	82.8 31.0	2.25612	0.846 -90.5 68.4 C.858 -89.6 68.2	40.1 30.9	28.2 0. 1 2 27.3 7.13044 2- 3
4 -11.032 -19.611	326.23345 -60.9		82.8 30.6	2.29034	0.842 -89.6 68.6 0.833 -91.5 68.7	38.5 32.6	29.3 10.32154 3- 4 29.1 9.20491 4- 5
6 -11.333 -19.912	324.13680 -56.7	8.2 -	83.6 31.2 83.6 31.7	2.27557	0.849 -91.5 68.3	40.1 31.9	27.1 10.43679 5- 6
7 -11.037 -19.958	321.34929 -59.3	8.0 -	83.6 31.7 82.8 31.0	2.25612	C.858 -89.6 68.2	40.1 30.9	27.3 9.05027 6- 7
_JULY 31,1964 13 HR	23 MIN 47 SEC 860	) MS	TAB NO	84	ATLAS PHOTO NO	84	POD SEQUENCE NO 835
TRAJECTORY DATA		ζ.Ε	C TO IMPACT	AL T	LAT LON	R	V PTH AZ
		30	120.940	278.63182			7 2.461 -66.513 115.395
PHOTO DATA PT LAT LCN	24465 44645	AZN A	ZSUN AZA	A •	B/A AZPHAZ INCO	PHAZ EMIS	ALPHA SCALE PT-PT
	KANGE AZS/L					~~ ~ ~~ ~	
2 -11.169 -19.773	320.73602 -58.9	8.3 -	83.2 31.1	2.25221	0.846 -90.5 68.4	39.3 32.2	28.2 0. 1-2
2 -11.169 -19.773 3 -11.033 -19.965 4 -11.027 -19.622	320.73602 -58.9 317.10281 -59.3 321.92056 -60.9	8.3 - 8.0 - 8.4 -	82.8 31.0 82.8 30.6	2.25221 2.22630 2.26006	0.846 -9C.5 68.4 0.858 -89.6 68.2 0.842 -89.6 68.6	40.1 30.9 38.5 32.6	28.2 0. 1-2 27.3 7.03553 2-3 29.3 10.18424 3-4
2 -11.169 -19.773 3 -11.033 -19.965 4 -11.027 -19.622 5 -11.323 -19.572	320.73602 -58.9 317.10281 -59.3 321.92056 -60.9 324.76416 -58.4	8.0 - 8.4 - 8.6 -	83.2 31.1 82.8 31.0 82.8 30.6 83.6 31.2	2.25221 2.22630 2.26006 2.28005	0.846 -9C.5 68.4 0.858 -89.6 68.2 0.842 -89.6 68.6 0.833 -91.5 68.6	40.1 30.9 38.5 32.6 38.5 33.6	28.2 0. 1-2 27.3 7.03553 2-3 29.3 10.18424 3-4 29.1 9.08286 4-5
2 - 11.169 - 19.773 3 - 11.033 - 19.965 4 - 11.027 - 19.622 5 - 11.323 - 19.572 6 - 11.324 - 19.919 7 - 11.033 - 19.965	320.73602 -58.9 317.10281 -59.3 321.92056 -60.9 324.76416 -58.4 319.85244 -56.7	8.0 - 8.4 - 8.6 -	83.2 31.1 82.8 31.0 82.8 30.6 83.6 31.2 83.6 31.7 82.8 31.0	2.24349	0.846 -9C.5 68.4 0.858 -89.6 68.2 0.842 -89.6 68.6 0.833 -91.5 68.6 0.849 -91.5 68.3 0.858 -89.6 68.2	40.1 31.9	71.1 10.29183 3- B

				RA-VI	I CAMERA	P 2						15
JULY 31,1964 13 HR	23 MIN 40		шс		TAB NO	85	ATLAS PHOTO	0 NO	85	POD SEQUE	NCE NO	837
TRAJECTORY DATA	22 114 47	366 340	m3	**	*****							
				SEC TO 119.	260	ALT 274.83888	LAT L 3 -8.991 -24	ON .144	R 2010∙294	V P1 2.463 -66.	TH A .484 115	. 388
PHOTO DATA PT LAT LCN	RANGE	A/S/C	AZN	AZ SUN	AZA	A •	B/A AZPHAZ		PHAZ EMIS			T-PT
2 -11.162 -19.782 3 -11.029 -19.971	316.43550 312.85223	-58.9 -59.3	8.3 8.0		21.1	2.22202	0.846 -90.5	68.4	39.3 32.2	28.2 0.		i- 2
4 -11.023 -19.633	317.60358	-60.7	8.4	-82.8	30.6	2.19646 2.22976	0.843 -89.6	68.2	40.1 30.9 38.5 32.6		94057	2- 3 3- 4
5 -11.315 -19.584 6 -11.316 -19.926	320.40782	-58.4 -56.7	8.6	-83.6 -83.6	31.2 31.6	2.24946 2.21539		68.6	38.5 33.6 40.1 31.9	29.0 8.	96060	4-5
7 -11.029 -19.971	312.85223	-59.3	6.0	-82.8	31.0	2.19646	C.858 -89.6	68.2	40.1 30.9		15877 81028	6- 7
JULY 31,1964 13 HR	23 MIN 51	SEC 219	۳S		TAB NO	86	ATLAS PHOTO	NO NO	86	POD SEQUE	NCE NO	839
TRAJECTURY DATA				SEC TO	INGACT	AL T						_
PHOTE DATA					540	271.04401	LAT L -9.C11 -24	.101	2006.499	2.465 -66.	455 115	380
PT LAT LON	RANGE	AZS/C	AZN	A7 SUN	AZA	A •	B/A AZPHAZ	LNCD	PHAZ EMIS	ALDHA SC	CALE P	T-PT
2 -11.156 -19.791 3 -11.024 -19.978	312.13113 308.59779	-58.9 -59.3	8.0	-83.2 -82.8	31.1		0.846 -90.5	68.4	39.3 32.2	28.2 0.	,	1- 2
4 -11.01 / -19.645	.13.28269	-60.9	8.4	-82.8	31.0 30.6	2.16659 2.19942			40.1 30.9 38.5 32.6		84557 90933	2- 3
5 -11.306 -19.596 6 -11.308 -19.933	316.04758	-58.4	8.6	-83.6	31.2	2.21865	0.834 -91.5	68.6	38.5 33.5	29.0 8.	83835	4- 5
7 -11.024 -19.978	308.59779	-56.7 -59.3	8.0	-83.6 -82.8	31.6 31.0	2.18525 2.16659			40.1 31.9		69017	5- 6 6- 7
					TAB NO	87	ATLAS PHOTO		87	POD SEQUE		•
JULY 31,1964 13 HR	43 MIN 52	SEC 899	۲5			٠,	ALLAS THOR	, 110	07	TOD SEQUE	NCL NO	041
TRAJECTURY DATA				SEC TE		ALT		ON	к	V PI	TH A	2
PHOTO DATA						201.24112	-9.031 -24	.057	2002.702	2.467 -66.	427 115	.373
PT LAT LCN 2 -11-150 -19-800	RANGE 307.82280	AZS/C -58.9	42N	AZ SUN -83.2	AZA 31.1	A* 2.16154	B/A AZPHAZ 0.846 -90.5	INCU	PHAZ EMIS 39.3 32.2	ALPHA SC		T-PT
3 -11.020 -19.984	304.33944	-59.3	8.0	-82.8	31.0	2.13669	0.858 -89.6	68.2	40.1 30.9	28.2 Q. 27.3 6.	75046	2-3
4 -11.014 -19.656 5 -11.298 -19.608	308.95789 311.68340	-60.9 -58.4	8.4	-82.8 -83.6	30.6 31.2	2.169C6 2.18821		68.5	38.5 32.6	29.3 9.	77171	3- 4
6 -11.299 -19.941	306.97536	-56.7	8.2	-83.6	31.6	2.15509	0.849 -91.5		40.1 31.9		71599 · 88034	4- 5 5- 6
7 -11.020 -19.984	304.33944	-59.3	8.0	-82.8	31.0	2.13669	0.858 -89.6	68.2	40.1 30.9			6- 7
JULY 31,1964 13 HR	23 MIN 54	SEC 579	MS	•	TAB NO	88	ATLAS PHOTO	0N (	88	POD SEQUE	NCE NO	843
TRAJECTURY DATA				SEC TO		AL T	LAT L	ÜN	ĸ	V PT		
PHOTO DATA				114.	220	263.44803	~9.052 -24			2.469 -66.	398 115	.365
PT LAT LCN 2 -11.143 -19.809	RANGE 303-51032	AZS/C -58.9	AZN 8.3	AZ SUN -83.2	A7A 31.1	A*	R/A AZPHAZ	INCD	PHAZ EMIS	ALPHA SC		T-PT
3 -11.015 -19.991	100.07693	-59.3	8.0	-82.8	31.0	2.10677	0.846 -90.5 C.858 -89.6	68.2	39.3 32.2 40.1 30.9	28.2 0. 27.3 6.	65530	1- 2 2- 3
4 -11.010 -19.667 5 -11.290 -19.620	304.62889	-60.9 -58.4	8.4	-82.8 -83.6	30.6	2.13867	C.843 -89.6	68.5	38.5 32.6	29.3 9.	63398	3- 4
6 -11.291 -19.948	302.67492	-56.6	8.2	-93.6	31.2 31.6	2.15754 2.12490			38.5 33.5 40.1 31.9			4- 5 5- 6
7 -11.015 -19.991	100.07693	-59.3	H.O	-62.8	31.0	2.10677	0.858 -89.6	68.2	40.1 30.9			6- 7
JULY 31,1964 13 HR	23 MIN 56	SEC 259	M.S	•	TAB NO	89	ATLAS PHOTO	NO (	89	POD SEQUE	NCE NO	845
TRAJECTURY DATA				SIC TO	1 MDACT	ALT	1.47					
PHOTO DATA				112.			-9.072 -23	CN •970	R 1995•102	V PT 2.470 -66.	H A.	
PT LAT LUN	HANGE	AZS/C	AZN	AZ SUN	AZA	Λ.	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA SC	ALE P	T-PT
2 -11.137 -19.819 3 -11.011 -19.998	299.19400 295.81061	-58.9 -59.3	8.3 8.0	-83.2	31.1	2.10095	0.847 -90.5	68.4	39.3 32.2	28.2 0.		1- 2
4 -11.005 -11.679	300.29607	-60.9	8.4	-82.8 -82.8	31.0 30.6	2.07681		68.2	40.1 30.9 38.5 32.6	27.3 6. 29.2 9.	56009 49614	2-3
5 -11.281 -19.632 6 -11.282 -19.955	302.94285	-58.4 -56.8	8.6	-83.6	31.2	2.12685	0.834 -91.5	68.6	38.5 33.5	29.0 8.	47096	3- <u>4</u> 4- 5
	295.81061	-59.3	8.2	-83.6 -82.8	31.6 31.0	2.09468 2.07681		68.3	40.1 31.9			5- 6 6- 7
												•
JULY 31,1964 13 HK	23 MIN 57	SEC 939 I	۳Ş		TAB NO	90	ATLAS PHOTO	NO	90	POD SEQUE	NCE NO	847
TRAJECTURY HATA				SEC TO 110.		ALT		EN .	, R	V PT		
PHOTO DATA PT LAT LCN	RANGE	A 2 C 4 C					-9.093 -23	_		2.472 -66.		
2 -11.131 -19.828	RANGL 294.87342 - 291.54004 -	A2S/C -58.9	AZN 8.3	AZ SUN -83.2	AZA 31.1	A. 2.07061	B/A AZPHAZ 0.847 -90.5		PHAZ EMIS 39.3 32.2	20 2 0		T-PT
3 -11.006 -20.005	291.54004	-59.3	8.0	-82.8	31.0	2.04683	0.858 -89.6	68.2	40.1 30.9	28.2 0.	46477	1- 2 2- 3
	295.95900 298.56638	-60.8 -58.4	8.4	-82.8 -83.6	30.6 31.2	2.07780			38.5 32.6	29.2 9.	35820 .	3- 4
6 -11.274 -19.963	294.05217	-56.8	8.2	-83.6	31.6	2.06444	0.85C -91.5	68.3	38.5 33.5 40.1 31.8		46188	4- 5 5- 6
7 -11.006 -20.005	241.54004	-59.3	8.0	-82.8	31.0	2.04683	0.858 -89.6		40.1 30.9		20862	6- 7

				RA-VI	I CAMERA	A P2						16
JULY 31,1964 13 HR	53 NIL 60	555 (10	ис		TAB NO	91	ATLAS PHO	TO NO	91	POD S	EQUENCE N	10 849
	23 111 39	350 019	m-3									
TRAJECTORY DATA				SEC TO 109	IPPACT		LAT -9.113 -2	LON 3.882	R 1987-494	V 4 2.474	PTH -66.311 1	AZ 15.343
PHOTO DATA PT LAT LON	RANGE	A75/C	A 7 N			Δ	<del>-</del>					
2 -11.124 -19.838 3 -11.001 -20.012	290.54820	-58.9	8.3	-83.2	31.1	2.04023	B/A AZPHAZ 0.847 -90.5	1NCD	39.3 32.1	ALPHA 28.1	SCALE O.	PT-PT 1- 2
3 -11.001 -20.012	287.26491	-59.3	8.0	-83.2 -82.8 -82.8	31.0	2.01682	0.858 -89.6	68.2	40.1 30.9	27.3	6.36936	2- 3
4 -10.996 -19.701 5 -11.264 -19.656	204 10622	-60 /	8.4	-82.8 -83.6	30.6	2.04732	0.843 -89.6 0.834 -91.5	68.5	38.5 32.5	29.2	9.22008	3~ 4
6 -11.265 -19.97C	289.74905	-56.8	8.2	-83.6	31.6.	2.03416	0.850 -91.5	68.2	40.1 31.8	27.0	8.22533 9.32215	5-6
7 -11.001 -20.012	287.26491	-59.3	8.0	-82.8	31.0	2.01682	0.858 -89.6	68.2	40.1 30.9	27.3	8.08789	6- 7
					TAB NO	92	ATLAS PHO	TO NO	92	POD 5	SEQUENCE N	IO 851
JULY 31,1964 13 HR	24 MIN 1	SEC 299	MS								, ,	
TRAJECTORY DATA				SEC TO	IPPACT	ALT	LAT	LCN	R	v	PTH	AZ
PHOTO DATA				107	.5Cl	248.23131	LAT	3.838	1983.68	7 2.476	-66.281 1	15.335
PT LAT LCN	RANGE	A75/C	47 N	AZ SIIN	A 7 A	۸۰	8/A A7DUA1	INCD			SCALE	
PT LAT LCN 2 -11.118 -19.847 3 -10.997 -20.019	286.21833	-58.9	8.3	-83.2	31.1	2.00963	B/A AZPHAZ C.847 -90.5 C.859 -89.6	68.4	39.3 32.1	28.1	0.	1- 2
3 -10.997 -20.019	282.98516	-59.3	8.0	-82.8	31.0	1.98677	C.859 -89.6	68.2	40.1 30.9	27.3	0. 6.27382	2- 3
2 -11-522 -14-864	287.27082	-58.4	8.6	-83.6	31.2	2.01457	0.843 -89.6 0.834 -91.5	68.5	38.5 33.5	20 0	9.08184	1- 9
6 -11.257 -19.978	289.79937 285.43134	-56.8	8.2	-83.6 -83.6 -82.8	31.6	2.00384	C.85C -91.5 C.859 -89.6	68.2	40.1 31.8	27.0	9.18226	5-6
7 -10.997 -20.019	282.98516	-59.3	8.0	-82.8	31.0	1.98677	C.859 -89.6	68.2	40.1 30.9	27.3	7.96706	6- 7
JULY 31,1964 13 HR	24 MIN 2	SEC 979.	MS		TAB NO	93	ATLAS PHO		93	POD S	EQUENCE N	0 853
TRAJECTORY DATA				SEC TO	IMPACT	ALT	1.4.5		R		PTH	
				105	821	244.42191	9.155 -2	3.794	1979.87	7 2.478	-66.252 1	AZ 15.328
PHOTO DATA PT LAT LON	RANGE	A 7 C 7 C	4.7 11									
2 -11.111 -19.857	281 - 884 36	-58.9	8.3	-83.2	AZA 31.1	A* 1.97940	B/A AZPHAZ 0.847 -90.5 0.859 -89.6	INCD	PHAZ EMIS	ALPHA	SCALE	
3 -10.992 -20.026 4 -10.987 -19.725	278.70134	-59.3	8.0	-82.8	31.0	1.95669	0.859 -89.6	68.2	40.1 30.9	27.3	6.17822	2- 3
5 -11.247 -19.681	282.92029 285.40943	~60.8	8.4	-82.8 -83.6	30.6	1.98626	0.843 -89.6	68.5	38.5 32.5	29.2	8.94347	
6 -11.248 -19.986	281.10952	-56.8	8.2	-83.6	31.6	1.97350	0.85C -91.5	68.2	38.5 33.4 40.1 31.8	28.9 27.0	7.97916 9.04224	4- 5
7 -10.992 -20.026	278.70134			-82.8		1.95669		68.2	40.1 30.9	27.3	7.84622	6- 7
					TAB NO	94	ATLAS PHO	ON O	94	POD S	EQUENCE N	0 855
JULY 31,1964 13 HR	24 MIN 4	SEC 659	MS									
TRAJECTORY DATA					IMPACT		LAT	LON	R	v	PTH	AZ
PHOTO DATA				104	141		9.175 -2				-66.223 1	15.320
PHOTO DATA PT LAT LON 2 -11.105 -19.867 3 -10.987 -20.033	RANGE	AZS/C		AZSUN		Δ+	8/A AZPHAZ 0.847 -90.5	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
3 -10.987 -20.033	274.41337	-58.9	8.3	-83.2	31.1	1.94893	0.847 -90.5 0.859 -89.6	68.3	39.3 32.1	28.1	0.	1- 2
4 -10.982 -19.737	278.56559	-60.8	8.4	-82.8	30.7	1.95569	0.844 -89.6	68.4	38.5 32.5	29.2	6.08252	3- 4
5 -11.238 -19.694 6 -11.240 -19.993	281.01531 276.78355	-58.4	8.6	-83.6	31.2	1.97290	0.835 -91.5	68.5	38.5 32.5 38.5 33.4	28.9	8.80498 7.85607	4- 5
7 -10.987 -20.033	274.41337	-56.8 -59.3	8.0	-83.6 -82.8	31.0	1.94313	C.85C -91.5 C.859 -89.6	68.2	40.1 31.8	27.0_	8.90212 7.72517	56_
					TAB NO	95						
JULY 31,1964 13 HR	24 MIN 6	SEC 339	MS		IAB NO	95	ATLAS PHO	IU NU	95	POD S	EQUENCE N	D 857
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	LCN	ĸ	٧	PTH	ΑZ
PHOTO DATA				102	461	236.79671	-9.196 -2	3.705	1972.252	2.482	-66.193 1	15.312
2 -11.098 -19.876 3 -10.983 -20.040	RANGE	AZS/S	122	42504 -83.2 -82.8	A 7 A	A #	H/A A7PHA7	INCO	PHAZ FMIS	AL PHA	SCALE	PT-PT
2 -11.098 -19.876	213.20407	-58.9	8.3	-83.2	31.1	1.91844	0.847 -90.5 0.859 -89.6	68.3	39.3 32.1	28.1	0	1-12
4 -10.978 -19.748	270.12141	-59.3 -60.8	8.0	-82.8 -82.8	31.0	1.89646	0.859 -89.6	68.2	40.1 30.8	27.3	5.98678 8.6664C 7.73279	2- 3
3 TII.230 TIY.706	2/5.61/16	-58.4				1.94202	0.844 -89.6 0.835 -91.5	68.5	38.5 33.4	29.2	7.73279	4- 5
6 -11.231 -20.001 7 -10.983 -20.040	272.45356		8 • 2	-83.6	31.6	1.91274	C.85C -91.5	68.2	40.1 31.8 40.1 30.8	27.0	8.76191 7.60402	5- 6
1 101903 -201040	210112141	-59.5	0.0	-82.8		1.89646	0.859 -89.6	68.2	40.1 30.8	27.3	7.60402	6- 7
JULY 31,1964 13 HR	24 MIN . 8	SEC _18_	MS		TAB NO	96	ATLAS PHO	O NO	96	POD S	EQUENCE N	0 859
TRAJECTORY DATA				SEC TO	IMPACT	AL T	LAI	LCN	k	v	DTF	A 7
DUOTO DATA				100	781	232.98109	LAI -9.217 -2	3.660	1968.436	2.484	-66-163 1	15.305
PHOTC DATA PT LAT LON	RANGE	A/5/C										
PT LAT LON 2 -11.092 -19.886 3 -10.978 -20.047	268.85796	-58.9	8.3	-83.2	AZA 31.1 31.0	1.88793	B/A AZPHAZ 0.847 -90.5	68.3	39.3 32.1	28.1	SCALE	1- 2
3 -10.978 -20.047 4 -10.973 -19.760	265.82550	-59.3	8.0	-82.8	31.0	1.86630	C.859 -89.6	68.1	40.1 30.8	21.3	5.89091	2-3
5 -11.221 -19.719	272.21506	-58-4	8 • 4	-82.8 -83.6	30.7	1.89446	0.844 -89.6 0.835 -91.5	68.4	38.5 32.5	29.2 28.9	8.52770	3- 4
6 ~11.222 -20.009	268.11964	-56.8	8.1	-83.6	31.6	1.88231	C.85C -91.5	68.2	38.5 33.4 40.1 31.8	27.0	7.60939 8.62158 7.48277	5~ 6
7 -10.978 -20.047	265.82550	-59.3	8.0	-82.8	31.0	1.86630	C.859 -69.6	68.1	40.1 30.8	27.3	7.48277	6- 7

	RA-VII CAMERA	17
JULY 31,1964 13 HR 24 MIN 9 SEC 698 MS	TAB NO	97 ATLAS PHOTO NO 97 POD SEQUENCE NO 861
INAUCTION DATA	99.101	ALTLAT . LCNRVPTH _AZ . 229.163109.23823.615
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.085 -19.896 264.50746 -58.9 8.3	A7 SUN A7 A	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -11.085 -19.896 264.50746 -58.9 8.3	-83.2 31.1	A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 1.85738 0.867 -90.5 68.3 39.3 32.1 28.1 0. 1-2 - 1.83610 0.859 -89.6 68.1 40.1 30.8 27.2 5.79508 2-3 1.86380 0.844 -89.6 68.4 38.5 32.5 29.1 8.38892 3-4
		1.83610 0.859 -89.6 68.1 40.1 30.8 27.2 3.79308 2-3
4 -10.968 -19.772 265.47716 -60.8 8.4	-82.8 30.7 -83.6 31.2	1.86380 0.844 -89.6 68.4 38.5 32.5 29.1 8.38892 3- 4 1.88018 0.835 -91.5 68.5 38.5 33.4 28.9 7.48589 4- 5
5 -11.212 -19.731 267.80854 -58.4 8.6 6 -11.214 -20.017 263.78129 -56.8 8.1	-83.6 31.6	1.85185 0.85C -91.5 68.2 40.1 31.8 27.0 8.48115 5- 6
7 -10.973 -20.054 261.52520 -59.3 8.0	-82.8 31.0	1.83610 C.859 -89.6 68.1 40.1 30.8 27.2 7.36142 6- 7
	TAB NO	98 ATLAS PHOTO NO 98 POD SEQUENCE NO 863
JULY 31,1964 13 HR 24 MIN 11 SEC 378 MS		
	SEC TO IMPACE 97.421	ALT LAT LON R V PTH AZ 225.34322 -9.259 -23.570 1960.799 2.488 -66.104 115.289
PHOTO DATA	AZSUN AZA	A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C AZN 2 -11.078 -19.906 260.15306 -58.9 8.3	AZSUN AZA -83.2 31.1 -82.8 31.0	1.826F0 0.847 -90.5 68.3 39.3 32.1 28.1 0. 1-2
3 -10.969 -20.062 257.22104 -59.3 8.0	-82.8 31.0	1.80589 0.859 -89.6 68.1 40.1 30.8 27.2 3.69911 2-3
4 -10.964 -19.784 261.10622 -60.8 8.4	-B2.8 30.7	1.83311 0.844 -89.6 68.4 38.5 32.5 29.1 8.25001 3-4 1.84922 0.835 -91.5 68.5 38.5 33.4 28.9 7.36230 4-5
5 -11.204 -19.744 263.39815 -58.4 8.6 6 -11.205 -20.025 259.43909 -56.8 8.1	-83.6 31.2 -83.6 31.6	1.84922 C.835 -91.5 68.5 38.5 33.4 28.9 7.36230 4- 5 1.82137 C.85C -91.5 68.2 40.1 31.8 27.0 8.34060 5- 6
'7 -10.969 -20.062 257.22104 -59.3 8.0	-82.8 31.0	1.80589 0.859 -89.6 68.1 40.1 30.8 27.2 7.24007 6- 7
	TAB NO	
JULY 31,1964 13 HR 24 MIN 13 SEC 58 MS		
TRAJECTORY DATA	SEC TO IMPACT 95.741	ALT LAT LON R V PTH AZ 221-52121 -9.280 -23.524 1956.977 2.490 -66.074 115.281
PHOTO DATA		
PT LAT LON RANGE AZS/C AZN 2 - 11.072 - 19.916	AZSUN AZA -83-2 11-1	1 70410 0 848 -00.5 48.3 39.3 32.0 28.1 0. 1-2
3 -10.964 -20.069 252.91274 -59.3 8.0	-82.8 31.0	1.//564 8.859 -89.6 68.1 40.1 50.6 27.2 5.60500 2 5
4 -10.959 -19.796 256.73114 -60.8 8.4	-82.8 30.7	1.80240 0.844 -89.6 68.4 38.5 32.4 29.1 8.11100 3-4 1.81823 0.835 -91.5 68.5 38.5 33.4 28.9 7.23860 4-5
5 -11.195 -19.757 258.98362 -58.4 8.6	-83.6 31.2	1.01823 0.835 -91.5 68.5 38.5 33.4 28.9 7.23860 4-5 1.79086 C.85C -91.5 68.2 40.1 31.8 27.0 8.19997 5-6
6 -11.196 -20.033 255.09272 -56.8 8.1 7 -10.964 -20.069 252.91274 -59.3 8.0	-83.6 31.2 -83.6 31.6 -82.8 31.0	1.77564 0.859 -89.6 68.1 40.1 30.8 27.2 7.11841 6-7
JULY 31,1964 13 HR 24 MIN 14 SEC 738 MS	TAB NO	100 ATLAS PHOTO NO 100 POD SEQUENCE NO 867
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON R V PTH AZ 217.69693 -9.302 -23.479 1953.152 2.492 -66.044 115.273
BUOTO DATA		
PT LAT LON RANGE AZS/C AZN 2 -11.065 -19.926 251.43160 -58.9 8.3 3 -10.959 -20.076 248.60010 -59.3 8.0	AZ SUN AZ A -83.2 31.1 -82.8 31.0	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 1.76556 0.848 -90.5 68.3 39.3 32.0 28.1 0. 1-2
3 -10-959 -20-076 248-60010 -59-3 8-0	-82.8 31.0	1.74536 0.859 -89.6 68.1 40.1 30.8 27.2 5.50683 2-3
4 -10.954 -19.808 252.35165 -60.8 8.4	-82.8 30.7	1.77165 0.844 -89.6 68.4 38.5 32.4 29.1 7.97186 3-4 1.78720 0.836 -91.5 68.4 38.5 33.3 28.8 7.11480 4-5
5 -11.186 -19.770 254.56470 -58.4 8.6	-82.8 30.7 -83.6 31.2	1.78720 0.836 -91.5 68.4 38.5 33.3 28.8 7.11480 4-5
6 -11-18/ -20-041 /50-/4/0/ -56-8 8-1	-83.0 11.0 -82.8 31.0	1.76031 0.851 -91.5 68.2 40.1 31.7 27.0 8.05921 5- 6 1.74536 0.859 -89.6 68.1 40.1 30.8 27.2 6.99675 6- 7
7 - 101777 - 2010/6 240100010 3713 010		
JULY 31,1964 13 HR 24 MIN 16 SEC 418 MS	TAB NO	101 ATLAS PHOTO NO 101 POD SEQUENCE NO 869
TRAJECTORY DATA	SEC TO IMPACT 92.381	ALT LAT LON R V PTH AZ 213.87057 -9.323 -23.433 1949.326 2.494 -66.013 115.265
PT LAT LCN RANGE AZS/C AZM	AZSUN AZA	A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 1.73489 0.848 -90.5 68.3 39.3 32.0 28.0 0. 1- 2
PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -11.058 -19.936 247.06455 -58.9 8.3 3 -10.954 -20.084 244.28329 -59.3 8.0	9 -83.2 31.1 1 -82.8 31.0	1.73489 0.848 -90.5 68.3 39.3 32.0 28.0 0. 1- 2 1.71505 0.859 -89.6 68.1 40.1 30.8 27.2 5.41075 2- 3
4 - 10 - 949 - 19 - 821 247 - 96794 - 60 - 8 - 8 - 9	-82.8 30.7	1.74088 0.844 -89.6 68.4 38.7 32.4 29.1 1.03230 27.7
5 -11.177 -19.783 250.14164 -58.4 8.6	-83.6 31.2 -83.6 31.6	1.75615 0.836 -91.5 68.4 38.5 33.3 28.8 6.99091 4-5
6 -11.178 -20.049 246.38728 -56.8 8.1 7 -10.954 -20.084 244.28329 -59.3 8.0	-83.6 31.6 -82.8 31.0	1.72974 0.851 -91.5 68.2 40.1 31.7 27.0 7.91833 5-6 1.71505 0.859 -89.6 68.1 40.1 30.8 27.2 6.87509 6-7
JULY 31,1964 13 HR 24 MIN 18 SEC 98 MS	TAB NO	102 ATLAS PHOTO NO 102 POD SEQUENCE NO 871
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH AZ 210.04216 -9.344 -23.387 1945.497 2.496 -65.983 115.257
PHOTO DATA	70.102	ELOCATED TOTAL TERMINATION OF THE PROPERTY OF
PT LAT LCN RANGE AZS/C AZI	AZSUN AZA	A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PI+PI
7 -11-035 -14-440 545-04345 -38-4 8-	-03.4 31.1	1.10120 0.010 -70.3 00.3 37.3 36.0 60.0 0. 8.5
3 = 10 = 949 = 20 = 092 239 = 96246 = 59 = 3 R = 0	) -82 <sub>4</sub> 8 31 <sub>-</sub> 0	1.684/2 0.859 -89.6 68.1 40.1 50.6 21.6 3.51.75
		1.70420 0.848 -90.5 68.3 39.3 32.0 28.0 0. 1-2 1.68472 0.859 -89.6 68.1 40.1 30.8 27.2 5.31437 2-3 1.71007 0.844 -89.6 68.4 38.5 32.4 29.1 7.69320 3-4 1.72507 0.836 -91.5 68.4 38.5 33.3 28.8 6.86692 4-5 1.69314 0.851 -91.5 68.2 40.1 31.7 27.0 7.77733 5-6 1.68472 0.859 -89.6 68.1 40.1 30.8 27.2 6.75313 6-7

		.RA-VII CAMERA	P2.	18
		TAB NO	103 ATLAS PHOTO N	D 103 POD SEQUENCE NO 873
JULY 31,1964 13 HR	24 MIN. 19 SEC 778 MS			
TRAJECTORY DATA		SEC. TO_IMPACT	ALT LAT LON 206.21161 -9.366 -23.34	. R. V. PTH AZ 1941.667 2.498 -65.953 115.249
PHOTO DATA				10 PHAZ EHIS ALPHA SCALE PT-PT 12 39.3 32.0 28.0 0. 1-2 1. 40.1 30.8 27.2 5.21813 2-3 3 38.5 32.4 29.1 7.55374 3-4 4 38.5 33.3 28.8 6.74292 4-5 1. 40.1 31.7 26.9 7.63624 5-6 1. 40.1 30.8 27.2 6.63126 6-7
PT LAT LON	RANGE AZS/C AZ	N AZSUN AZA	A+ B/A AZPHAZ IN	D PHAZ EMIS ALPHA SCALE PT-PT
3 -10.944 -20.099	235-63742 -50-3 8	3 -83.2 31.1 0 -82.8 31.0	1.65435 0.859 -H9.6 A8	1 40.1 30.8 27.2 5.21813 2m 3
4 -10.940 -19.845	239.18828 -60.8 8.	4 -82.8 30.7	1.67924 0.845 -89.6 68	3 38.5 32.4 29.1 7.55374 3- 4
5 -11.160 -19.808	241.28317 -58.4 8.	6 -83.6 31.2	1.69396 C.836 -91.5 68	4 38.5 33.3 28.8 6.74292 4- 5
6 -11.161 -20.065	237.66537 -56.8 8.	1 -83.6 31.6	1.66851 0.851 -91.5 68	1 40-1 31-7 26-9 7-63624 5-6
1 -10.944 -20.099	235.63742 -59.3 8.			
JULY 31.1964 13 HR	24 MIN 21 SEC 458 MS	TAB NO	104 ATLAS PHOTO N	POD SEQUENCE NO 875
TRAJECTORY DATA		87.342	202.378789.388 -23.29	R V PTH AZ 1937-834 2-500 -65-922 115-241
PHOTO DATA				D PHAZ EMIS ALPHA SCALE PT-PT 1.2 39.3 32.0 28.0 0. 1-2 1.1 40.1 30.8 27.2 5.12165 2-3 1.3 38.5 32.4 29.1 7.41414 3-4 1.4 38.5 33.3 28.8 6.61862 4-5
PT LAT LON	RANGE AZS/C AZ	N AZSUN AZA	A+ B/A AZPHAZ IN	D PHAZ EMIS ALPHA SCALE PT-PT
2 -11.038 -19.967	233.93839 -58.9 8.	3 -83•∠31•1 0 -83 9 31 0	1.04272 0.848 -90.5 08	1 40 1 30 0 27 7 6 12145 2- 3
4 -10-935 -19-858	234.79199 -60.8 8.	4 -82.8 30.7	1.64837 0.845 -89.6 68	.3 38.5 32.4 29.1 7.41414 3- 4
5 -11.151 -19.822	236.84746 -58.4 8.	6 -83.6 31.2	1.66282 0.836 -91.5 68	4 38.5 33.3 28.8 6.61862 4- 5
6 -11.152 -20.074	233.29797 -56.8 8.	1 -83.6 31.6	1,63785 0.851 -91.5 68	.4 38.5 33.3 28.8 6.61862 4-5 .1 40.1 31.7 26.9 7.49502 5-6 .1 40.1 30.8 27.2 6.50910 6-7
7 -10.939 -20.107		0 -82.8 31.0	1.62396 0.859 -89.6 68	.1 40.1 30.8 27.2 6.50910 6- 7
		TAB NO	105 ATLAS PHOTO N	POD SEQUENCE NO 877
JULY 31,1964 13 HR	24 MIN 23 SEC 138 MS			
TRAJECTORY DATA		SEC. TO. IMPACT	ALT LON	R V PTH AZ B 1933.999 2.502 -65.891 115.233
PHOTO DATA		85.662	198.54378 -9.409 -23.24	1933.999 2.502 -65.891 115.233 10 PHAZ EMIS ALPHA SCALE PT-PT 0. 1-2 39.3 32.0 28.0 0. 1-2 5.02514 2-3 3 38.5 32.4 29.0 7.27445 3-4 4 38.5 33.3 28.8 6.49421 4-5 1.4 0.1 31.7 26.9 7.35371 5-6 1.4 0.1 30.8 27.2 6.38683 6-7
PT LAT ION	RANGE AZSZC AZ	N AZSUN AZA	A. B/A A7PHA7 IN	ED PHAZ EMIS ALPHA SCALE PT-PT
2 -11.031 -19.977	229.55446 -58.9 8.	2 -83.2 31.1	1.61194 0.848 -90.5 68	2 39.3 32.0 28.0 0. 1- 2
3 -10.934 -20.115	226.97442 -59.3 8.	0 -82.8 31.0	1.59353 0.860 -89.6 68	.1 40.1 30.8 27.2 5.02514 2- 3
4 -10.930 -19.870	230.39146 -60.8 8	4 -82.8 30.7	1.61748 0.845 -89.6 68	.3 38.5 32.4 29.0 7.27445 3- 4
5 -11.142 -19.835	232.40751 -58.4 8.	6 -83.6 31.2	1.63164 0.836 -91.5 68	4 38.5 33.3 28.8 6.49421 4-5
7 -10 934 -20 115	228.92031 _=30.8. 8. 224.97442 =59.3 R	T -83.8 31.0	1.50710 0.831 -91.3 68	1 40 1 30 8 37 2 4 39493 4- 7
			ATLAN DUNTO N	DOD OFFICE AND TO
	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO N	106 POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO N	POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO NO	POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO NO	POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO NO	POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO NO	POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO NO	POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO NO	POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO	106 ATLAS PHOTO NO	POD SEQUENCE NO 879
JULY 31,1964 13 HR	24 MIN 24 SEC_817 MS	TAB NO  SEC TO IMPACT 63.962  N AZSUN AZA 2 -83.2 31.1 4 -82.8 30.1 5 -83.6 31.6 0 -82.8 31.1	ALT LAT LON 174.70676 -9.431 -23.20  A** B/A AZPHAZ IN 1.58112 0.848 -90.5 66 1.58656 0.845 -89.6 66 1.58656 0.845 -89.6 66 1.58644 0.851 -91.5 66 1.57644 0.851 -91.5 66 1.57644 0.851 -91.5 66	R V PTH AZ 1 1930-162 2.504 -65.861 115.225  CD PHAZ EMIS ALPHA SCALE PT-PT -2 39.3 32.0 28.0 0. 1- 2 -1 40.1 30.7 27.2 4.92857 2- 3 -3 38.5 32.3 29.0 7.13463 3- 4 -4 38.5 33.2 28.8 6.36971 4- 5 -1 40.1 30.7 27.2 6.26465 6- 7
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.024 -19.988 3 -10.929 -20.122 4 -10.925 -19.883 5 -11.133 -19.848 6 -11.134 -20.091 7 -10.929 -20.122	24 MIN 24 SEC_817 MS	TAB NO  SEC TO IMPACT. 63.962  N AZSUN AZA 2 -63.2 31.1 0 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.6 0 -82.8 31.1 TAB NO	ALT LAT LON 174.70676 -9.431 -23.20  A** B/A AZPHAZ IN 1.58112 0.848 -90.5 66 1.58656 0.845 -89.6 66 1.58656 0.845 -89.6 66 1.58644 0.851 -91.5 66 1.57644 0.851 -91.5 66 1.57644 0.851 -91.5 66	POD SEQUENCE NO 879
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.024 -19.988 3 -10.929 -20.122 4 -10.925 -19.888 5 -11.133 -19.848 6 -11.134 -20.091 7 -10.929 -20.122  JULY 31,1964 13 HR	RANGE AZS/C AZS.16643 -58.9 8. 222.63674 -59.3 8. 227.96347 -58.4 8. 227.96347 -58.4 8. 224.55057 -56.8 8. 222.63674 -59.3 8	TAB NO  SEC TO IMPACT 63.982  N AZSUN AZA 2 -83.2 31.1 0 -82.8 31.1 4 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.6 0 -82.8 31.1  TAB NO	ALT LAT LON 174.70676 -9.431 -23.20  A+ B/A AZPHAZ IN 1.58112 0.848 -90.5 66 1.58656 0.866 -89.6 66 1.57644 0.837 -91.5 66 1.57644 0.837 -91.5 66 1.57644 0.8351 -91.5 66 1.57644 0.8651 -91.5 66 1.57	R. V PTH AZ 1 1930.162 2.504 -65.861 115.225 CD PHAZ EMIS ALPHA SCALE PT-PT -2 39.3 32.0 28.0 0. 1-2 -1 40.1 30.7 27.2 4.92657 2-3 -3 38.5 32.3 29.0 7.13463 3-4 -4 38.5 33.2 28.8 6.36971 4-5 -1 40.1 31.7 26.9 7.21229 5-6 -1 40.1 30.7 27.2 6.26465 6-7 D 107 POD SEQUENCE NO 881
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.024 -19.988 3 -10.929 -20.122 4 -10.925 -19.883 5 -11.133 -19.884 6 -11.134 -20.091 7 -10.929 -20.122  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE AZS/C AZS/C AZS/16043 -58.9 8. 222.63674 -59.3 8. 224.55047 -58.4 8. 224.55047 -56.8 8. 224.55047 -56.8 8. 224.55047 -56.8 8. 224.55047 -56.8 8. 224.55047 -56.8 8. 224.55047 -56.8 8. 224.55047 -56.8 8. 224.55047 -56.8 8. 224.55047 -56.8 8. 224.55047 -59.3 8.	TAB NO  SEC TO IMPACT 63.962  N AZSUN AZA 2 -683.2 31.1 0 -82.8 31.1 4 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.6 0 -82.8 31.1  TAB NO  SEC TO IMPACT 82.302	ALT LAT LON 174.70676 -9.431 -23.20  A** B/A AZPHAZ IN 1.58112 0.848 -90.5 66 1.58656 0.845 -89.6 66 1.57644 0.851 -91.5 66 1.57644 0.851 -91.5 66 1.57644 0.851 -91.5 66 107 ATLAS PHOTO N  ALT LAT LCN 190.86754 -9.453 -23.11	R V PTH AZ 1 1930-162 2.506 -65.861 115.225  CD PHAZ EMIS ALPHA SCALE PT-PT 2 39.3 32.0 28.0 0. 1- 2 1 40.1 30.7 27.2 4.92857 2- 3 3 38.5 32.3 29.0 7.13463 3- 4 4 38.5 33.2 28.8 6.36971 4- 5 1 40.1 30.7 27.2 6.26465 6- 7  D 107 POD SEQUENCE NO 881  R V PTH AZ 4 1926.323 2.506 -65.830 115.216
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.024 -19.988 3 -10.929 -20.122 4 -10.925 -19.883 5 -11.133 -19.848 6 -11.134 -20.091 7 -10.929 -20.122  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN 2 -11.018 -19.998 3 -10.924 -20.130 4 -10.920 -19.895 5 -11.124 -19.861 6 -11.125 -20.099 7 -10.924 -20.130  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C AZS/16643 -58.9 8. 821.76643 -58.9 8. 825.98685 -60.8 8 8. 827.96347 -58.4 8. 824.55057 -56.8 8. 8224.55057 -56.8 8. 8224.55057 -56.8 8. 824.77410 -59.3 8. 824.77410 -59.3 8. 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59	TAB NO  SEC TO IMPACT 63.962  N AZSUN AZA 2 -83.2 31.1 0 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.6 0 -82.8 31.1  TAB NO  SEC TO IMPACT 82.302  1 -83.6 31.1 0 -82.8 31.1 1 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.1 1 -82.8 31.1 TAB NO  SEC TO IMPACT 1 -83.6 31.6 0 -82.8 31.1 TAB NO	ALT LAT LON 174.70676 -9.431 -23.20  A* B/A AZPHAZ IN 1.58112 0.848 -90.5 66 1.56308 0.860 -69.6 66 1.56308 0.860 -99.6 66 1.56308 0.860 -99.6 66 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57649 0.860 -99.6 66 1.55028 0.860 -99.6 66 1.55028 0.868 -90.5 61 1.55028 0.868 -90.5 61 1.55028 0.868 -90.6 61 1.55028 0.868 -90.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -89.6 61	R. V PTH AZ 1 1930.162 2.504 -65.861 115.225 CD PHAZ EMIS ALPHA SCALE PT-PT 2 39.3 32.0 28.0 0. 1- 2 1 40.1 30.7 27.2 4.92657 2- 3 3 36.5 32.3 29.0 7.13463 3- 4 4 36.5 33.2 28.6 6.36971 4- 5 1 40.1 30.7 27.2 6.26465 6- 7 D 107 POD SEQUENCE NO 881  R V PTH AZ 1 926.323 2.506 -65.830 115.216 CD PHAZ EMIS ALPHA SCALE PT-PT 1 40.1 30.7 27.2 4.83195 2- 3 1 40.1 30.7 27.2 4.83195 2- 3 1 3 36.5 32.3 29.0 6.99473 3- 4 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 30.7 27.2 6.14217 6- 7 D 108 POD SEQUENCE NO 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.024 -19.988 3 -10.929 -20.122 4 -10.925 -19.883 5 -11.133 -19.848 6 -11.134 -20.091 7 -10.929 -20.122  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN 2 -11.018 -19.998 3 -10.924 -20.130 4 -10.920 -19.895 5 -11.124 -19.861 6 -11.125 -20.099 7 -10.924 -20.130  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C AZS/16643 -58.9 8. 821.76643 -58.9 8. 825.98685 -60.8 8 8. 827.96347 -58.4 8. 824.55057 -56.8 8. 8224.55057 -56.8 8. 8224.55057 -56.8 8. 824.77410 -59.3 8. 824.77410 -59.3 8. 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59	TAB NO  SEC TO IMPACT 63.962  N AZSUN AZA 2 -83.2 31.1 0 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.6 0 -82.8 31.1  TAB NO  SEC TO IMPACT 82.302  1 -83.6 31.1 0 -82.8 31.1 1 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.1 1 -82.8 31.1 TAB NO  SEC TO IMPACT 1 -83.6 31.6 0 -82.8 31.1 TAB NO	ALT LAT LON 174.70676 -9.431 -23.20  A* B/A AZPHAZ IN 1.58112 0.848 -90.5 66 1.56308 0.860 -69.6 66 1.56308 0.860 -99.6 66 1.56308 0.860 -99.6 66 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57649 0.860 -99.6 66 1.55028 0.860 -99.6 66 1.55028 0.868 -90.5 61 1.55028 0.868 -90.5 61 1.55028 0.868 -90.6 61 1.55028 0.868 -90.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -89.6 61	R. V PTH AZ 1 1930.162 2.504 -65.861 115.225 CD PHAZ EMIS ALPHA SCALE PT-PT 2 39.3 32.0 28.0 0. 1- 2 1 40.1 30.7 27.2 4.92657 2- 3 3 36.5 32.3 29.0 7.13463 3- 4 4 36.5 33.2 28.6 6.36971 4- 5 1 40.1 30.7 27.2 6.26465 6- 7 D 107 POD SEQUENCE NO 881  R V PTH AZ 1 926.323 2.506 -65.830 115.216 CD PHAZ EMIS ALPHA SCALE PT-PT 1 40.1 30.7 27.2 4.83195 2- 3 1 40.1 30.7 27.2 4.83195 2- 3 1 3 36.5 32.3 29.0 6.99473 3- 4 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 30.7 27.2 6.14217 6- 7 D 108 POD SEQUENCE NO 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.024 -19.988 3 -10.929 -20.122 4 -10.925 -19.883 5 -11.133 -19.848 6 -11.134 -20.091 7 -10.929 -20.122  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN 2 -11.018 -19.998 3 -10.924 -20.130 4 -10.920 -19.895 5 -11.124 -19.861 6 -11.125 -20.099 7 -10.924 -20.130  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C AZS/16643 -58.9 8. 821.76643 -58.9 8. 825.98685 -60.8 8 8. 827.96347 -58.4 8. 824.55057 -56.8 8. 8224.55057 -56.8 8. 8224.55057 -56.8 8. 824.77410 -59.3 8. 824.77410 -59.3 8. 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59	TAB NO  SEC TO IMPACT 63.962  N AZSUN AZA 2 -83.2 31.1 0 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.6 0 -82.8 31.1  TAB NO  SEC TO IMPACT 82.302  1 -83.6 31.1 0 -82.8 31.1 1 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.1 1 -82.8 31.1 TAB NO  SEC TO IMPACT 1 -83.6 31.6 0 -82.8 31.1 TAB NO	ALT LAT LON 174.70676 -9.431 -23.20  A* B/A AZPHAZ IN 1.58112 0.848 -90.5 66 1.56308 0.860 -69.6 66 1.56308 0.860 -99.6 66 1.56308 0.860 -99.6 66 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57649 0.860 -99.6 66 1.55028 0.860 -99.6 66 1.55028 0.868 -90.5 61 1.55028 0.868 -90.5 61 1.55028 0.868 -90.6 61 1.55028 0.868 -90.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -89.6 61	R. V PTH AZ 1 1930.162 2.504 -65.861 115.225 CD PHAZ EMIS ALPHA SCALE PT-PT 2 39.3 32.0 28.0 0. 1- 2 1 40.1 30.7 27.2 4.92657 2- 3 3 36.5 32.3 29.0 7.13463 3- 4 4 36.5 33.2 28.6 6.36971 4- 5 1 40.1 30.7 27.2 6.26465 6- 7 D 107 POD SEQUENCE NO 881  R V PTH AZ 1 926.323 2.506 -65.830 115.216 CD PHAZ EMIS ALPHA SCALE PT-PT 1 40.1 30.7 27.2 4.83195 2- 3 1 40.1 30.7 27.2 4.83195 2- 3 1 3 36.5 32.3 29.0 6.99473 3- 4 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 31.7 26.9 7.07079 5- 6 1 40.1 30.7 27.2 6.14217 6- 7 D 108 POD SEQUENCE NO 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.024 -19.988 3 -10.929 -20.122 4 -10.925 -19.883 5 -11.133 -19.848 6 -11.134 -20.091 7 -10.929 -20.122  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LUN 2 -11.018 -19.998 3 -10.924 -20.130 4 -10.920 -19.895 5 -11.124 -19.861 6 -11.125 -20.099 7 -10.924 -20.130  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C AZS/16643 -58.9 8. 821.76643 -58.9 8. 825.98685 -60.8 8 8. 827.96347 -58.4 8. 824.55057 -56.8 8. 8224.55057 -56.8 8. 8224.55057 -56.8 8. 824.77410 -59.3 8. 824.77410 -59.3 8. 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59.3 8218.29476 -59	TAB NO  SEC TO IMPACT 63.962  N AZSUN AZA 2 -83.2 31.1 0 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.6 0 -82.8 31.1  TAB NO  SEC TO IMPACT 82.302  1 -83.6 31.1 0 -82.8 31.1 1 -82.8 30.7 5 -83.6 31.2 1 -83.6 31.1 1 -82.8 31.1 TAB NO  SEC TO IMPACT 1 -83.6 31.6 0 -82.8 31.1 TAB NO	ALT LAT LON 174.70676 -9.431 -23.20  A* B/A AZPHAZ IN 1.58112 0.848 -90.5 66 1.56308 0.860 -69.6 66 1.56308 0.860 -99.6 66 1.56308 0.860 -99.6 66 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57644 0.851 -91.5 68 1.57649 0.860 -99.6 66 1.55028 0.860 -99.6 66 1.55028 0.868 -90.5 61 1.55028 0.868 -90.5 61 1.55028 0.868 -90.6 61 1.55028 0.868 -90.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -99.6 61 1.55029 0.860 -89.6 61	POD SEQUENCE NO 879  R. V PTH AZ  1 1930.162 2.504 -65.861 115.225  CD PHAZ EMIS ALPHA SCALE PT-PT  2 39.3 32.0 28.0 0. 1- 2  1 40.1 30.7 27.2 4.92657 2- 3  3 36.5 32.3 29.0 7.13463 3- 4  4 38.5 33.2 28.8 6.36971 4- 5  1 40.1 30.7 27.2 6.26465 6- 7  D 107 POD SEQUENCE NO 881  R V PTH AZ  4 1926.323 2.506 -65.830 115.216  CD PHAZ EMIS ALPHA SCALE PT-PT  2 39.3 32.5 32.3 29.0 6.99473 3- 4  1 40.1 30.7 27.2 4.83195 2- 3  3 38.5 32.3 29.0 6.99473 3- 4  3 3 38.5 33.2 28.8 6.24520 4- 5  1 40.1 31.7 26.9 7.07079 5- 6  1 40.1 30.7 27.2 6.14217 6- 7  D 108 POD SEQUENCE NO 883

	RA-VII CAMERA	P2	19
	TAB NO	109 ATLAS PHOTO NO 109	POD SEQUENCE NO 885
JULY 31,1964 13 HR 24 MIN 29 SEC 857 MS			•
TRAJECTORY DATA	SEC TO IMPACT 78.942	ALT LAT LON R 183.18240 -9.497 -23.060 1918.63	V PTH AZ 8 2.510 -65.768 115.200
PHOTO DATA PT LAT LCN RANGE AZS/C AZN			
2 - 11 - 004 - 20 - 020 211 - 97455 - 58 - 9 8 - 2	-83.2 31.1	1.48849 0.849 -90.5 68.2 39.3 31.9	28.0 0. 1-2
3 -10.914 -20.146 209.59607 -59.3 8.0 4 -10.910 -19.920 212.74521 -60.7 8.4	-82.8 31.1 -82.8 30.7	1.47152 0.860 -89.6 68.0 40.1 30.7 1.49359 0.845 -89.6 68.3 38.5 32.3	27.1 4.63831 2- 3 29.0 6.71446 3- 4
5 -11.105 -19.888 214.60342 -58.4 8.5	-83.6 31.2	1.50665 0.837 -91.5 68.3 38.5 33.2	28.7 5.99566 4- 5
6 -11.107 -26.116 211.39558 -56.8 8.1 7 -10.914 -20.146 209.59607 -59.3 8.0		1.48408 0.852 -91.4 68.1 40.1 31.6 1.47152 0.860 -89.6 68.0 40.1 30.7	26.9 6.78729 5- 6 27.1 5.89699 6- 7
	TAB NO	110 ATLAS PHOTO NO 110	POD SEQUENCE NO 887
JULY 31,1964 13 HR 24 MIN 31 SEC 537 MS			
TRAJECTORY DATA	SEC TO IMPACT 77.262	ALT LAT LON R 179.33655 -9.519 -23.012 1914.79	Y PIHAZ 2 2.512 +65.736 115.191
PHOTO DATA  PT LAT LON RANGE AZSZE AZN	AZ SUN AZA	A. B/A AZPHAZ INCO PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.937 -20.030 207.56641 -58.9 6.2	-83.2 31.1	1.45753 0.849 -90.5 68.2 39.3 31.9	27.9 0. 1-2
3 -10.909 -20.154 205.23848 -59.2 8.0 4 -10.905 -19.933 208.32047 -60.7 8.4	-87.8 31.1 -82.8 30.8	1.44093 C.86C -69.6 68.C 40.1 30.7 1.46253 0.845 -69.6 68.3 38.5 32.3	
5 -11.096 -19.901 210.13908 -58.4 8.5	-83.6 31.2	1.47531 0.837 -91.5 68.3 38.5 33.2	28.7 5.87072 4- 5
6 -11.097 -20.125 206.99978 -56.8 8.1	-83.6 31.5	1.45322 0.852 -91.4 68.1 40.1 31.6	26.9 6.64527 5- 6 27-1 5-77418 6- 7
7 -10.909 -20.154 205.23848 -59.2 8.0	-62.8 31.1	1.44093 0.860 -89.6 68.0 40.1 30.7	2111
JULY 31,1964 13 HR 24 MIN 33 SEC 217 MS	TAB NO	111 ATLAS PHOTO NO 111	POD SEQUENCE NO 889
TRAJECTORY DATA	SEC TO EMPACE	ALT LGN R	V PTH AZ
PHOTO DATA	75.582	175.48866 -9.541 -22.964 1910.94	
PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A+ B/A AZPHAZ INCO PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.989 -20.041 203.15422 -58.9 8.2 3 -10.904 -20.163 200.87687 -59.2 7.9		1.42655 0.849 -90.5 68.2 39.3 31.9 1.41031 0.860 -89.6 68.0 40.1 30.7	27-1 4-44421 2- 3
4 -10.900 -19.946 203.89169 -60.7 8.4	-82.7 30.8	1.43144 0.846 -89.6 68.2 38.5 32.3	29.0 6.43354 3- 4
5 -11.087 -19.915 205.67071 -58.4 8.5		1.44394 C.837 -91.5 68.3 38.5 33.2 1.42233 0.852 -91.4 68.1 40.1 31.6	
6 -11.088 -20.134 202.59992 -56.8 8.1 7 -10.904 -20.163 200.87687 -59.2 7.9		1.42233 0.852 -91.4 68.1 40.1 31.6 1.41031 0.860 -89.6 68.0 40.1 30.7	26.9 6.50316 5- 6 27.1 5.65117 6- 7
	TAB NO	112 ATLAS PHOTO NO 112	POD SEQUENCE NO 891
JULY 31,1964 13 HR 24 MIN 34 SEC 897 MS			
TRAJECTORY DATA	SEC TO IMPACT 73.903	ALT LAT LON R 171.63847 -9.563 -22.917 1907.09	V PTH AZ
PHOTO DATA			
PT LAT LON RANGE AZS/C AZN	AZSUN AZA -83.1 31.1	A* B/A AZPHAZ INCO PHAZ EMIS	ALPHA SCALE PT-PT 27.9 0. 1-2
2 -10.982 -20.052 198.73772 -58.9 8.2 3 -10.899 -20.171 196.51094 -59.2 7.9 4 -10.895 -19.959 199.45859 -60.7 8.4		1.39554 0.849 -90.5 68.1 39.3 31.9 1.37966 0.86C -89.6 68.0 4C.1 30.7	27.1 4.34706 2-3
4 -10.895 -19.959 199.45859 -60.7 8.4		1.40031 0.846 -89.6 68.2 38.5 32.3	28.9 6.29291 3-4
5 -11.078 -19.929 201.19801 -58.4 8.5 6 -11.079 -20.143 <u>198.19574 -56.8</u> 8.1		1.41253 0.837 -91.5 68.3 38.5 33.1 1.39142 0.852 -91.4 68.1 40.1 31.6	28.7 5.62035 4- 5 26.9 6.36093 5- 6
7 -10.899 -20.171 196.51094 -59.2 7.9	-82.8 31.1	1.37966 0.860 -89.6 68.0 40.1 30.7	
JULY 31:1964 13 HR 24 MIN 36 SEC 577 MS	TAB NO	113 ATLAS PHOTO NO 113	POD SEQUENCE NO 893
	SEC TO IMPACT 72.223	ALT LAT LCN R 167.78609 -9.585 -22.868 1903.24	V PTH - AZ 1 2.518 -65.642 115.166
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A* B/A AZPHAZ INCD PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.975 -20.063 194.31694 -58.9 8.2		1 36650 C 860 -00 5 68.1 39.3 31.0	27-9 0. 1-2
2 -10.475 -20.063 144.31694 -58.9 8.7 3 -10.483 -20.179 192.14074 -59.2 7.9 4 -10.480 -19.972 199.02123 -60.7 8.4 5 -11.069 -19.943 196.72107 -58.4 6.5		1.34897 0.860 -89.6 68.0 40.1 30.1 1.36916 0.846 -89.6 68.2 38.5 32.2 1.38110 0.838 -91.5 68.3 38.5 33.1	7 27.1 4.24986 2-3
4 -10.890 -19.972 195.02123 -60.7 8.4 5 -11.069 -19.943 196.72107 -58.4 8.5	-82.7 <u>30.8</u> -83.5 <u>31.2</u>	1.36916 0.846 -89.6 68.2 38.5 32.6 1.38110 0.838 -91.5 68.3 38.5 33.1	28.9 6.15220 3- 4 28.7 5.49510 4- 5
6 -11.070 -20.152 193.78730 -56.8 8.1	-83.6 31.5	1.36047 0.852 -91.4 68.1 40.1 31.6	5 26.8 6.21861 5- 6
7 -10.893 -20.179 192.14074 -59.2 7.9	-82.8 31.1	1.34897 0.860 -89.6 68.0 40.1 30.7	
JULY 31,1964 13 HR 24 MIN 38 SEC 257 MS	TAB NO	114 ATLAS PHOTO NO 114	POD SEQUENCE NO 895
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON R	V .PTH AZ
PHOTO DATA	70.543	163.93150 -9.608 -22.820 1899.30	37 2.520 -65.610 115.157
PT LAT LON RANGE AZS/C AZN		A* B/A AZPHAZ INCD PHAZ EMI:	S ALPHA SCALE PT-PT
2 -10.968 -20.074 189.89199 -58.9 8.2 3 -10.888 -20.188 187.76635 -59.2 7.9		1.33342 0.849 -90.5 68.1 39.3 31.4 1.31826 0.860 -89.6 68.0 40.1 30.	9 27.9 0. <u>1- 2</u>
3 -10.888 -20.188 187.76635 -59.2 7.9 4 -10.884 -19.985 190.57968 -60.7 8.4	-82.8 31.1 -82.7 30.8	1.31826 0.860 -89.6 68.0 40.1 30. 1.33798 0.846 -89.6 68.2 38.5 32. 1.34964 0.838 -91.5 68.2 38.5 33.	9 27.9 0. 1-2 7 27.1 4.15257 2-3 2 28.9 6.01136 3-4
5 -11.059 -19.956 192.23992 -58.4 8.5	-83.5 31.2	1.34964 0.838 -91.5 68.2 38.5 33.	1 74.0 3.30400 4-7
	-83.6 31.5 -82.8 31.1	1.32949 0.852 -91.4 68.0 40.1 31.1 1.31826 0.860 -89.6 68.0 40.1 30.	

			i	RA-VII (	CAMERA	PZ					20
				TA	B NO	115	ATLAS	РНОТО МО	115	POD SEQUENCE NO	897
JULY 31,1964 13 HF	R 24 MIN 39 :	SEC 937 I								•	
TRAJECTORY DATA			SI	EC TO IN	PACT	ALT	LAT	LCN	R	V PTH A	Z
PHOTO DATA				68.86	6.3	160.07484	-9.63	0 -22.772	1895.530	2.522 -65.579 115	.148
PHOTO DATA PT LAT LON 2 -10.961 -20.085 3 -10.883 -20.196 4 -10.879 -19.999	RANGE 185.46286	AZS/C -58.9	AZN A	AZ SUN -#3-1 3	AZA 31.1	A*	B/A A	ZPHAZ INC	D PHAZ EMIS	ALPHA SCALE P	T-PT
3 -10.883 -20.196	183.38782	-59.2	7.9	-82.8 3	31.1	1.28752	0.86C	-89.6 68.	0 40.1 30.7	27.9 0. 27.1 4.05523	1- 2 2- 3
						1.30677	U-846	-89.0 68.	2 38.5 32.2 2 38.5 33.1	28.9 5.87045	
6 -11.051 -20.170	184.95787	56.8	8.1	-83.6	31.5	1,29848	0.852	-91.4 68.	0 40.1 31.6	26.8 5.93368	5~ 6
7 -10.883 -20.196	183.38782	-59.2	7.9	-82.8	31.1	1.28752			0 40.1 30.7	27.1 5.15829	6~ 7
JULY 31,1964 13 HR	24 MIN 41 5	SEC 616 M	<b>4</b> S	TAI	B NO	116	ATLAS	PHOTO NO	116	POD SEQUENCE NO	899
				cr TO 11	DACT	A1 T		1.04			_
TRAJECTORY DATA			30	67.18	3	156.21576	-9.65	3 -22.723	1891.671	2.524 ~65.547 115	.140
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN A	AZ SUN	Δ7Δ						
PT LAT LON 2 -10.953 -20.096 3 -10.877 -20.204 4 -10.874 -20.013	181.02921	-58.8	8.2	-83.1	1.2	1.27119	0.85C	-90.5 68.	D PHAZ EMIS 1 39.3 31.8	27.9 0. 27.1 3.95773	1- 2
4 -10.874 -20.012	181.68380_	-59.2 -60.7	8.4	-82.6 3 -82.7 3	30.8	1.25675	C.861 .	-89.6 68.	0 40.1 30.6 2 38.5 32.2	27.1 3.95773	2-3
5 -11.040 -19.984	183.26484	-58.4	8.5 -	-83.5	31.2	1.28663	0.838	-91.5 68.	2 38.5 33.1 0 40.1 31.5	28.6 5.11837 26.8 5.79106	<del>3- 4</del> 4- 5
6 -11.041 -20.179 7 -10.877 -20.204	180.53655 179.00476		8.1 - 7.9 -	-83.6 3 -82.6 3	31.1	1.26744	0.852	-91.4 68.	0 40.1 31.5 0 40.1 30.6	26.8 5.79106 27.1 5.03457	5-6
JULY 31,1964 13 HR	24 MIN 43.5	SEC_296. N	۸Ş	TA.	B NO	117	AILAS	PHOTO NO		FOD SEQUENCE NO	901
TRAJECTORY DATA				EC TO IM		Al T	1 4 7	LCN		V PTH A	
PHOTO DATA				65.50	3	152.35452	-9.67	5 -22.674	1887.810	2.526 -65.515 115	.131
PHOTO DATA PT LAT LON 2 -10.946 20.108 3 -10.872 -20.213 4 -10.868 -20.025 5 -11.031 -10.000	RANGE	AZS/C	AZN A	AZ SUN	AZA	Α.	B/A A	ZPHAZ INC	D PHAZ EMIS	ALPHA SCALE P	T_DT
2 -10.946 20.108	176.59137	-58.8	8.2 -	-83.1 3 -82.8 3	1.2	1.24003	0.850 -	-90.5 68.	1 39.3 31.8	27.80.	1- 2
4 -10.868 -20.025	177.22940	-60.7	8.3	-82.8 3	80.8	1.22595	0.846	-89.6 68. -89.6 68.	0 40.1 30.6 2 38.5 32.2	27.1 3-86018 28.9 5.58828	
7 11.001 -17.770			8.5 -	-83.5 3	31.2	1.25508	0.838	-91.5 68.	2 38.5 33.1	28.6 4.99272	3- <del>-</del> 4- 5
6 -11.032 -20.188 7 -10.872 -20.213	176.11104 174.61752	-56.8	7.9	-83.6 3 -82.8 3	31.5 31.1	1.23637	0.861	-91.4 68. -89.6 68.	0 40.1 31.5 0 40.1 30.6	26.8 5.64832 27.1 4.91104	5- 6 6- 7
							0.00.		0 7011 3010	2101 4071104	o- ,
				та	B NO	110	ATLAC	DUOTO NO	110		
JULY 31,1964 13 HR		SEC 976 M	45	ТА	B NO	118	ATLAS	PHOTO NO	118	POD SEQUENCE NO	903
TRAJECTORY DATA	24 MIN 44 S		45 S E	EC TO IM	PACT	ALT	LAT	LŰN	R	V PTH A	•
TRAJECTORY DATA	24 MIN 44 S		45 S E	EC TO IM	PACT	ALT	LAT	LŰN	R	V PTH A	•
TRAJECTORY DATA	24 MIN 44 S		45 S E	EC TO IM	PACT	ALT	LAT	LŰN	R	V PTH A	Z •122
TRAJECTORY DATA	24 MIN 44 S		45 S E	EC TO IM	PACT	ALT	LAT	LŰN	R	V PTH A 2.528 -65.482 115 ALPHA SCALE P	Z •122 T-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.038	RANGE 172.15247 170.22902 172.77404	AZS/C -58.8 -59.2 -60.7	AZN / 8.2 - 7.9 - 8.3 -	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3	AZA 31.2 31.1 30.8	ALT 148.49110 A+ 1.20886 1.19514 1.21297	LAT -9.69 8/A A 0.850 0.861 0.847	Lún 8 -22.625 ZPHAZ INC -90.5 68. -89.6 68.	,1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2	V PTH A 2.528 -65.482 115 ALPHA SCALE P	Z •122 T-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.038 5 -11.022 -20.012 6 -11.022 -20.197	RANGE 172-15247 170-22902 172-77404 174-27599	AZS/C -58.8 -59.2 -60.7 -58.4	AZN / 8.2 - 7.9 - 8.3 - 8.5 -	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -82.7 3	AZA 31.2 31.1 30.8	ALT 148.49110 A* 1.20886 1.19514 1.21297 1.22353	B/A A 0.850 0.861 0.847	LUN 8 -22.625 ZPHAZ INC -9C.5 68. -89.6 68.	R ,1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0	V PTH A 2.528 -65.482 115 ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.038 5 -11.022 -20.012	RANGE 172-15247 170-22902 172-77404 174-27599	AZS/C -58.8 -59.2 -60.7 -58.4	AZN / 8.2 - 7.9 - 8.3 - 8.5 -	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3	AZA 31.2 31.1 30.8	ALT 148.49110 A* 1.20886 1.19514 1.21297 1.22353	B/A A 0.850 0.861 0.847	LUN 8 -22.625 ZPHAZ INC -9C.5 68. -89.6 68.	,1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2	V PTH A 2.528 -65.482 115 ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.197 7 -10.866 -20.221	RANGE 172-15247 170-22902 172-77404 174-27599 171-68436 170-22902	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2	AZN / 8.2 - 7.9 - 8.3 - 8.5 - 8.1 - 7.9 -	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -82.7 3 -83.5 3 -83.6 3	AZA 31.2 31.1 30.8	ALT 148.49110 A* 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514	B/A A C.85C C.861 C.847 C.836 C.836 C.853 C.861	LUN 8 -22.625 ZPHAZ INC -9C.5 68. -89.6 68.	R 1883-946 D PHAZ EMIS 1 39-3 31-8 0 40-1 30-6 1 38-5 32-2 2 38-5 33-0 0 40-1 31-5 0 40-1 30-6	V PTH A 2.528 -65.482 115 ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.038 5 -11.022 -20.012 6 -11.022 -20.197 7 -10.866 -20.221  JULY 31,1964 13 HR	RANGE 172-15247 170-22902 172-77404 174-27599 171-68436 170-22902	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2	AZN / 8.2 - 7.9 - 8.3 - 8.1 - 7.9 -	AZSUN -83.1 3 -82.8 3 -82.8 3 -82.8 3 TAI	AZA 81.2 91.1 80.8 81.2 91.5 91.1	ALT 148.49110 A* 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514	B/A A 0.850 0.861 0.847 0.836 0.847 0.836 0.861 ATLAS	EGN 8 -22.625  ZPHAZ INC -9C.5 6889.6 6889.6 6891.5 6889.6 6889.6 6889.6 68	1883.946 1 39.3 31.8 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 40.1 31.5 0 40.1 30.6	Y PIH A 2.528 -65.482 115 ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.012 6 -11.022 -20.012 6 -11.022 -20.127 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 172-15247 170-22902 174-27599 171-68436 170-22902	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2	AZN / 8.2 - 7.9 - 8.3 - 8.1 - 7.9 -	AZSUN -83.1 33-82.8 33-82.7 33-83.6 33-82.8 37AI	AZA 81.2 81.1 81.2 81.1 81.2 81.5 81.5	ALT 148.49110 A* 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514	B/A A 0.85C 0.861 0.847 0.836 0.861 0.836 0.861	EGN 8 -22.625  ZPHAZ INC -9C.5 68.69.6 68.69.6 68.91.5 68.91.5 68.91.5 68.91.5 68.91.5 68.91.5 68.	R 1883.946  D PHAZ EMIS 1 39.3 31.8 8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 31.5 0 40.1 30.6 119	Y PIH A. 2.528 -65.482 115  ALPHA SCALE P. 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 905
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.012 6 -11.022 -20.012 6 -11.022 -20.127 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 172-15247 170-22902 174-27599 171-68436 170-22902	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2	AZN / 8.2 - 7.9 - 8.3 - 7.9 - 7.9 - 7.9 - 7.9	EC TC IM 63.82  AZSUN -83.1 3 -82.8 3 -82.7 3 -83.5 3 -82.8 3  TAI	AZA 812 812 815 911 B NO	ALT 148.49110 A• 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541	B/A A 0.850 0.861 0.847 0.836 0.861 ATLAS	8 -22.625 ZPHAZ INC -9(.5 6889.6 6889.6 6891.5 68	R 1883.946  D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 30.6 2 38.5 32.2 2 38.5 33.0 0 40.1 31.5 0 40.1 30.6 119  R 1886.081	V PIH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.46724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115	Z 122 1-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 905
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.012 6 -11.022 -20.012 6 -11.022 -20.127 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 172-15247 170-22902 174-27599 171-68436 170-22902	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2	AZN / 8.2 - 7.9 - 8.3 - 8.1 - 7.9 - 45	EC TO IM 63.82  AZSUN -83.1 3 -83.1 3 -82.7 3 -82.8 3  EAU  TAI	AZA  AZA  AZA  AZA  AZA  AZA  AZA  AZA	ALT 148.49110 A. 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541	B/A A C.85C C.861 C.847 C.836 C.847 C.836 C.847 C.836 C.853 C.861 ATLAS	8 -22.625  ZPHAZ INC -90.5 6889.6 6891.5 6891.4 6891.4 0889.6 68. PHOTO NO	R .1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 31.5 0 40.1 30.6 119  R 1880.081	V PTH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 905 Z -113
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.936 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.197 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.931 -20.130 3 -10.861 -20.230	RANGE 172.15247 170.22902 172.77404 174.27599 171.68436 170.22902 24 MIN 46 S	AZS/C -58.8 -59.2 -60.7 -56.4 -56.8 -59.2 SEC 656 M	AZN	EC TO IM 63.82  AZSUN -83.1 3 -82.7 3 -82.8 3  TAI  EC TO IM 62.14  AZSUN -83.1 3 -82.8 3	AZA 11.2 21.1 80.8 81.2 21.5 31.1 B NO	ALT 148.49110 A. 1.2086 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541 A. 1.17766 1.16436	B/A A C.85C C.85C C.853 C.861 ATLAS LAT -9.72 B/A A C.85C C.863	8 -22.625  ZPHAZ INC -90.5 6889.6 6891.5 6891.4 6889.6 68.  PHOTO NO  1 -22.575  ZPHAZ INC -90.5 68.	R .1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 31.5 0 40.1 31.6 119  R 1880.081 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6	V PIH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0.	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 905 Z -113 T-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.127 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.957 -20.051	RANGE 7170-22902 772-770-22902 774-77599 771-68436 770-22902 724 MIN 46 S	AZS/C -58.8 -59.2 -60.7 -56.4 -56.8 -59.2 SEC 656 M	AZN	EC TO IM 63.82  AZSUN -83.1 3 -82.7 3 -82.8 3  TAI  EC TO IM 62.14  AZSUN -83.1 3 -82.8 3	AZA 11.2 21.1 80.8 81.2 21.5 31.1 B NO	ALT 148.49110 A. 1.2086 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541 A. 1.17766 1.16436	B/A A C.85C C.85C C.853 C.861 ATLAS LAT -9.72 B/A A C.85C C.863	8 -22.625  ZPHAZ INC -90.5 6889.6 6891.5 6891.4 6889.6 68.  PHOTO NO  1 -22.575  ZPHAZ INC -90.5 68.	R .1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 31.5 0 40.1 31.6 119  R 1880.081 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6	V PIH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0.	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 905 Z -113 T-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.127 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.857 -20.051 5 -11.012 -20.026 6 -11.013 -20.206	RANGE 172-15247 170-22402 172-77404 174-27599 171-68436 170-22902 24 MIN 46 S RANGE 167-71030 165-83727 169-77777 169-77777	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2 SEC 656 N AZS/C -58.8 -59.2 -59.2	AZN / 8.2 - 7.9 - 8.3 - 8.5 - 8.1 - 7.9 - 8.3 - 8.5 - 8.3 - 8.5 - 8.3 - 8.5 - 8.3 - 8.5 -	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -83.6 3 -82.6 3 TAI EC TO IM 62.14 AZSUN -83.6 3 -82.6 3 -82.6 3	AZA 31.2 31.2 31.1 30.8 31.2 31.5 B NO PACT 3 4ZA 31.2 31.1 10.8 11.2	ALT 148.49110 A* - 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 1.17766 1.16430 1.18167 1.19155	LAT -9.69: 8/A A C.85C C.851 C.847 C.853 C.861 ATLAS LAT -9.72 B/A A C.85C C.853 C.861 C.865 C.853 C.861	8 -22.025 ZPHAZ INC -90.5 6889.6 6891.5 6891.5 68. PHOTO NO  1 -22.575 ZPHAZ INC -90.5 6890.5 6891.5 68.	R .1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 31.5 119  R .1880.081 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 2 2 38.5 33.0 0 40.1 30.6 0 40.1 30.6 0 40.1 30.6	V PTH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.6 5.44724 28.6 4.86690 26.8 5.45724 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.6 0. 27.0 3.66537 28.6 5.30617 28.6 4.74108 26.8 5.36307	Z 122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 905 Z 113 T-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.012 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.857 -20.055 5 -11.012 -20.026	RANGE 172-15247 170-22402 172-77404 174-27599 171-68436 170-22902 24 MIN 46 S RANGE 167-71030 165-83727 169-77777 169-77777	AZS/C -58.8 -59.2 -60.7 -56.4 -56.8 -59.2 SEC 656 M	AZN	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -83.6 3 -82.6 3 TAI EC TO IM 62.14 AZSUN -83.6 3 -82.6 3 -82.6 3	AZA 11-2 11-1 11-2 11-1 11-2 11-1 11-2 11-1 11-2 11-1 11-2 11-1 10-8	ALT 148.49110 A• 1.2086 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541 A• 1.17766 1.16430 1.18167 1.19155	LAT -9.69: 8/A A C.85C C.851 C.847 C.853 C.861 ATLAS LAT -9.72 B/A A C.85C C.853 C.861 C.865 C.853 C.861	8 -22.025 ZPHAZ INC -90.5 6889.6 6891.5 6891.5 68. PHOTO NO  1 -22.575 ZPHAZ INC -90.5 6890.5 6891.5 68.	R .1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 31.5 0 40.1 31.6 119  R 1880.081 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6	V PTH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.6 4.74108 28.6 4.74108 26.6 5.36305	Z -122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 905 Z -113 T-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.012 6 -11.022 -20.21  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.857 -20.051 5 -11.012 -20.026 6 -11.013 -20.236 7 -10.861 -20.232	RANGE 172.15247 170.22902 172.77404 174.27599 171.68436 170.22902 24 MIN 46 S RANGE 167.71030 165.83722 168.31547 167.25441 165.83722	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2 SEC 656 M AZS/C -56.8 -59.2 -60.7 -58.4 -59.2 -60.7 -58.4 -59.2	AZN #8.2 7.9 88.1 7.9 88.5 88.1 88.5 88.5 88.1 88.5 88.5 88.1 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -82.7 3 -83.6 3 -82.8 3 TAI 62.14 AZSUN -83.1 3 -82.8 3 -82.8 3 -82.8 3 -82.8 3	AZA 11.2 11.1 10.8 11.2 11.5 11.1 10.8 11.2 11.1 10.8 11.2 11.1 10.8	ALT 148.49110 A• 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541 A• 1.17766 1.16430 1.18167 1.19155 1.17420	B/A A C.850 C.861  ATLAS  LAT -9-72  B/A A A C.856  C.861  ATLAS  C.853  C.861  C.853  C.861  C.853  C.861  C.863  C.863  C.863	8 -22.625  ZPHAZ INC -90.5 6889.6 6891.5 6891.4 6889.6 68.  PHOTO NO  1 -22.575  ZPHAZ INC -90.5 6889.6 6889.6 6891.4 6891.4 68.	R 1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6  119  R 1880.081 0 PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6	V PTH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.6 4.74108 28.6 4.74108 26.6 5.36305	Z .122 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 905 Z .113 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.883 -20.038 5 -11.022 -20.012 6 -11.022 -20.197 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.877 -20.051 5 -11.012 -20.026 6 -11.012 -20.026 6 -11.012 -20.230  JULY 31,1964 13 HR	RANGE 172.15247 170.22902 172.77404 174.27599 171.68436 170.22902 24 MIN 46 S RANGE 167.71030 165.83722 168.31547 167.25441 165.83722	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2 SEC 656 M AZS/C -56.8 -59.2 -60.7 -58.4 -59.2 -60.7 -58.4 -59.2	AZN / ARZN / ARZN / ARZN / ARZN / ARZN ARZN ARZN ARZN ARZN ARZN ARZN ARZN	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -82.7 3 -83.6 3 -82.8 3 TAI  62.14 AZSUN -83.1 3 -82.6 3 -82.6 3 -82.6 3	PACT 23  AZA 31.2 11.1 10.8 11.5 11.1 15.1 16.1 16.1 16.1 16.1 16.1	ALT 148.49110 A• 1.2086 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541 A• 1.17766 1.16430 1.18167 1.19155 1.17420 1.16430	B/A A C.85C C.861 ATLAS C.85C C.861 ATLAS ATLAS	8 -22.625  ZPHAZ INC -90.5 6889.6 6891.5 6889.6 68. PHOTO NO  1 -22.575  ZPHAZ INC -90.5 6889.6 6889.6 6891.5 6891.6 6891.6 68.	R 1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6 119  R 1880.081 0 PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6	V PIH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.8 5.30617 28.6 4.74108 27.9 3.66537 28.6 4.74108 27.9 4.66373  POD SEQUENCE NO	Z .122 1-PT 1- 2 2- 3 3- 4 5- 6 6- 7 905 Z .113 1-PT 1- 2 2- 3 3- 4 5- 6 6- 7 905
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.197 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.87 -20.051 5 -11.012 -20.056 6 -11.013 -20.206 6 -11.013 -20.236  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 172.15247 170.22902 172.77404 174.27599 171.68436 170.22902 24 MIN 46 S RANGE 167.71030 165.83722 168.31547 167.25441 165.83722	AZS/C -58.8 -59.2 -60.7 -58.4 -56.8 -59.2 SEC 656 M AZS/C -56.8 -59.2 -60.7 -58.4 -59.2 -60.7 -58.4 -59.2	AZN	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -82.7 3 -83.6 3 -82.8 3 TAI  62.14 AZSUN -83.1 3 -82.6 3 -82.6 3 -82.6 3	PACT 23  AZA 31.2 11.1 10.8 11.5 11.1 15.1 16.1 16.1 16.1 16.1 16.1	ALT 148.49110 A• 1.2086 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541 A• 1.17766 1.16430 1.18167 1.19155 1.17420 1.16430	B/A A C.85C C.861 ATLAS C.85C C.861 ATLAS ATLAS	8 -22.625  ZPHAZ INC -90.5 6889.6 6891.5 6889.6 68. PHOTO NO  1 -22.575  ZPHAZ INC -90.5 6889.6 6889.6 6891.5 6891.6 6891.6 68.	R 1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6 119  R 1880.081 0 PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6	V PIH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.8 5.30617 28.6 4.74108 27.9 3.66537 28.6 4.74108 27.9 4.66373  POD SEQUENCE NO	Z .122 1-PT 1- 2 2- 3 3- 4 5- 6 6- 7 905 Z .113 1-PT 1- 2 2- 3 3- 4 5- 6 6- 7 905
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.127 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.857 -20.051 5 -11.012 -20.056 6 -11.013 -20.230  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 172-15247 170-22902 172-17404 174-27599 171-68436 170-22902 24 MIN 46 S  RANGE 167-71030 165-83722 168-31547 169-77797 169-75441 165-83722 24 MIN 48 S	AZS/C -58.8 -59.2 -60.7 -58.4 -59.2 SEC 656 N AZS/C -58.8 -59.2 -60.7 -58.8 -59.2 -60.7 -58.4 -59.2 -59.2	AZN A A A A A A A A A A A A A A A A A A	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -82.7 3 -83.6 3 -82.8 3 TAI  EC TO IM 62.14 AZSUN -83.1 3 -82.6 3 -82.6 3 TAI  EC TO IM 60.46	AZA	ALT 148.49110 A• 1.2086 1.19514 1.21297 1.22353 1.20530 1.19514 119 ALT 144.62541 A• 1.17766 1.16430 1.18167 1.19155 1.17420 1.16430 1.16430 1.16430	B/A A C.85C C.861 ATLAS  B/A A A C.85C C.861 ATLAS  B/A A A C.853 C.861 ATLAS  C.853 C.861 ATLAS	8 -22.625  ZPHAZ INC -90.5 6889.6 6891.5 6891.5 6889.6 68. PHOTO NO  1 -22.575  ZPHAZ INC -90.5 6889.6 6889.6 6891.4 6869.6 6891.5 6891.6 6891.6 6891.6 6891.6 6891.6 6891.6 68.	R 1883.946  D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6  119  R 1886.081 0 PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6	V PIH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.8 5.30615 27.0 4.66373  POD SEQUENCE NO  V PTH A 2.533 -65.418 115	Z .122 1-PT 1-22-3 33-4 4-5 5-6 6-7 905 Z .113 1-PT 1-22-3 3-4 4-5 5-6 6-7 907
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.863 -20.032 5 -11.022 -20.012 6 -11.022 -20.127 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.857 -20.051 5 -11.012 -20.056 6 -11.013 -20.230  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 172-15247 170-22902 172-17404 174-27599 171-68436 170-22902 24 MIN 46 S  RANGE 167-71030 165-83722 168-31547 169-77797 169-75441 165-83722 24 MIN 48 S	AZS/C -58.8 -59.2 -60.7 -58.4 -59.2 SEC 656 N AZS/C -58.8 -59.2 -60.7 -58.8 -59.2 -60.7 -58.4 -59.2 -59.2	AZN 4.7.9	EC TO IM 63.82 AZSUN 83.1 3 82.8 3 82.7 3 83.5 3 842.8 3 TAI 62.14 AZSUN 63.1 3 82.6 3 74.6 3	PACT 33 AZA AZA AZA AZA AZA AZA AZA AZA AZA	ALT 148.49110  A* 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514  119  ALT 144.62541  A* 1.17766 1.16430 1.18167 1.19155 1.17420 1.16430 1.16430 1.16430	LAT -9.74.  LAT -9.69:  B/A A C.856  C.861  C.853  C.853  C.853  ATLAS  LAT -9.72  ATLAS  LAT -9.74  ATLAS	8 -22.525  ZPHAZ INC -90.5 6889.6 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 68.	R 1883.946  0 PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6 119  R 1880.081 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 30.6 1 30.6 1 30.6 1 30.6 1 30.6 1 30.6 1 30.6 1 30.6 1 30.6 1 30.6	V PTH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.75284 28.6 4.86690 26.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.6 3.66537 28.6 4.74108 26.8 5.36305 27.0 4.66373  POD SEQUENCE NO  V PTH A 2.533 -65.450 115  ALPHA SCALE P 2.533 -65.450 115	Z .122 T-PT   1-2   2-3   3-4   4-5   5-6   7   905   2   .113   1-22   3   3-4   5-5   6-7   907   2   .104   T-PT   Z .104   T-PT   Z .104   T-PT   Z .104   T-PT   Z .104   T-PT   T
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.983 -20.032 5 -11.022 -20.012 6 -11.022 -20.197 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.931 -20.130 3 -10.861 -20.230  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.931 -20.236  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.994 -20.141 3 -10.895 -20.238	RANGE 172.15247 170.22902 172.77404 174.27599 171.68436 170.22902 24 MIN 46 S  RANGE 167.71030 165.83722 168.31547 169.77737 167.25441 165.83722 24 MIN 48 S	AZS/C -58.8 -59.2 -60.7 -58.4 -59.2 EC 656 N AZS/C -58.8 -59.2 -60.7 -58.8 -59.2 -60.7 -58.8 -59.2 -60.7 -56.4 -59.2	AZN / / / / / / / / / / / / / / / / / / /	EC TO IM 63.82 AZSUN -83.1 3 -82.8 3 -82.7 3 -83.5 3 -82.8 3 TAI 62.14 AZSUN -83.1 3 -82.6 3 TAI 62.7 3 -82.6 3	AZA	ALT 148.49110  A* 1.20886 1.19514 1.21297 1.22253 1.20530 1.19514  119  ALT 144.62541  A* 1.17766 1.16430 1.18167 1.19155 1.17420 1.16430  ALT 140.75735  A* 1.17644 1.13444 1.13344	B/A A A A C .85C C .861  ATLAS  LAT	8 -22.025  ZPHAZ INC -90.5 6889.6 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.5 6891.4 6891.4 6891.5 6891.5 6891.5 6891.5 6891.5 68.	R .1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6 119  R .1880.081 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6 120  R .1876.213	V PTH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.6 4.74108 26.8 5.36305 27.0 4.66373  POD SEQUENCE NO  V PTH A 2.533 -65.450 115  ALPHA SCALE P 2.7.8 0. 2.7.0 3.65571 28.6 4.74108 26.8 5.36305 27.0 4.66373  ALPHA SCALE P 2.7.8 0. 2.7.0 3.55774	Z .122 T-PT 1-2 2-3 3-4 4-5 5-6-7 905 Z .1113 T-PT 1-2 2-3 3-4 4-5 6-7 907
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.966 -20.012 6 -11.022 -20.012 6 -11.022 -20.19 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.931 -20.130 3 -10.861 -20.230 4 -10.857 -20.051 5 -11.012 -20.056 6 -11.013 -20.236 6 -11.014 -20.236  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.955 -20.238 4 -10.855 -20.238 4 -10.855 -20.238 5 -11.0855 -20.238 7 -20.064 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141 7 -20.141	RANGE	AZS/C -58.8 -59.2 -60.7 -58.4 -59.2 SEC 656 N AZS/C -58.8 -59.2 -60.7 -58.4 -59.2 -59.2 -60.7 -59.2	AZN A	EC TO IM 63.82 AZSUN -83.1 -82.8 -82.7 -83.6 -82.8 -83.6 -82.8 -83.6 -82.8 -83.6 -82.8 -83.6	PACT 33 AZA 11.2 11.1 B NO PACT 3 AZA 11.2 11.1 11.2 11.1 11.2 11.5 11.5	ALT 148.49110 A• 1.2086 1.19514 1.21297 1.2253 1.20530 1.19514 119 ALT 144.62541 A• 1.17766 1.16430 1.18167 1.19195 1.17420 1.16430 1.16430 1.18444 1.15734 1.14644 1.13344 1.15334	LAT -9-69  B/A A C.850  C.861  C.847  C.836  C.853  C.861  ATLAS  LAT -9-72  B/A A C.850  C.861  C.853  C.861  ATLAS	8 -22.625  ZPHAZ INC -90.5 6889.6 6891.5 6889.6 68. PHOTO NO  1 -22.575  ZPHAZ INC -90.5 6889.6 6889.6 6889.6 6889.6 6889.6 6889.6 6889.6 6889.6 6889.6 68.	R 1883.946  D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6  119  R 1886.081 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6 1 38.5 32.2 1 38.5 33.0 0 40.1 30.6 1 38.5 32.2	V PTH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.76284 28.8 5.44724 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.6 4.74108 26.8 5.30305 27.0 4.66373  POD SEQUENCE NO  V PTH A 2.533 -65.418 115  ALPHA SCALE P 27.8 0. 27.0 3.65774 28.8 5.16499	Z .122 T-PT   1-2 2-3 - 4 4-5 5-6-7 905 Z .113 T-P Z 2-3 3-4 4-5 5-6-7 907 Z .104
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.939 -20.119 3 -10.866 -20.221 4 -10.883 -20.038 5 -11.022 -20.012 6 -11.022 -20.197 7 -10.866 -20.221  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.931 -20.130 3 -10.861 -20.230  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.931 -20.130 7 -10.861 -20.230  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.857 -20.234  PHOTO DATA  PT LAT LCN 2 -10.924 -20.141 3 -10.855 -20.234 4 -10.855 -20.264	RANGE 172-15247 170-22902 172-77404 174-27599 171-68436 170-22902 24 MIN 46 S RANGE 167-71030 165-83722 168-31547 169-77797 167-25441 165-b3722 24 MIN 48 S	AZS/C -58.8 -59.2 -60.7 -56.8 -59.2 SEC 656 M AZS/C -58.8 -59.2 -60.7 -58.8 -59.2 -60.7 -60.7 -60.7 -58.4 -56.8	AZN A	EC TO IM 63.82 AZSUN 83.1 3 82.8 3 82.7 3 83.5 3 842.8 3 TAI EC TO IM 62.14 AZSUN 63.1 3 82.8 3 TAI EC TO IM 63.1 3 83.6 3 TAI EC TO IM 64.46 AZSUN 65.1 4 AZSUN 65.1 4 AZSUN 65.1 5 85.8 3 85.8 3	PACT 33 AZA 11.2 11.1 15.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.3 11.2 11.3 11.2 11.3 11.2 11.3 11.2 11.1 11.2 11.3 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1 11.2 11.1	ALT 148.49110  A* 1.20886 1.19514 1.21297 1.22353 1.20530 1.19514  119  ALT 144.62541  A* 1.17766 1.16430 1.18167 1.19155 1.17420 1.16430	LAT -9-69  B/A A C 850  C 861  C 847  C 836  C 853  C 861  ATLAS  LAT -9-72  B 78  C 861  ATLAS  LAT -9-72  C 861  ATLAS  C 852  C 861  ATLAS	8 -22.525  ZPHAZ INC -90.5 6889.6 6891.5 68.	R .1883.946 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6 119  R .1880.081 D PHAZ EMIS 1 39.3 31.8 0 40.1 30.6 1 38.5 32.2 2 38.5 33.0 0 40.1 30.6 120  R .1876.213	V PTH A 2.528 -65.482 115  ALPHA SCALE P 27.8 0. 27.0 3.75284 28.6 4.86690 26.8 5.50570 27.0 4.78743  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.6 4.74108 26.8 5.36305 27.0 4.66373  POD SEQUENCE NO  V PTH A 2.531 -65.450 115  ALPHA SCALE P 27.8 0. 27.0 3.66537 28.6 4.74108 26.8 5.36305 27.0 4.66373  POD SEQUENCE NO  V PTH A 2.533 -65.418 115 ALPHA SCALE P 27.8 0. 27.0 3.56774 28.8 5.16499 28.8 5.16499 28.8 5.16499 28.8 5.16499 28.8 5.16499 28.8 5.16499 28.8 5.16499 28.8 5.2028	Z .122 T-PT 1- 2 2- 3 3- 4 4- 5 6- 7 905 Z .113 T-PT 1- 2 2 3 3- 4 4- 5 6- 7 907 Z .104

			-	RA-VII	CAMERA	P2								_21_
				т	AB NO	121	ATLAS	РНОТО	NO	121		POD SE	QUENCE NO	909 -
JULY 31,1964 13 H	R 24 MIN 50.5	SEC 16 M	15											
TRAJECTORY DATA			}	SEC TO	IMPACT 783	ALT 136.88710	LAT -9.76	LC 7 -22.	N 476	187	R 2.342	V_ 2.535	PTH -65.385 11	AZ 5.095
PHOTO DATA										DUAT	EMIC	AL OUA	SCALE	PT-PT
PT LAT LON		AZS/C		AZ SUN	AZA	A* 1.11518	OPEO .	ZPHAZ	INCD	20 2	51 8 EM12 :	27.8	0.	1- 2
2 -10.917 -20.152	157.03969	-59.2	7.9	-83.1 -82.8	31.1	1.10254	0.861	-89-6	67.9	40.1	30.6	27.0	3.47022	2- 3
3 -10.850 -20.246 4 -10.847 -20.078	159.38433	-60.7	8.3	-82.8 -82.7	30.8	1.11897	0.847	-89.6	68.1	38.5	32.1	28.8	5.02367	3- 4
5 -10.993 -20.053	160.76789	-58.4	8.5	-83.5	31.2	1.12869	0.839	-91.5	68.1	38.5	33.0	28.5	4.48914	4- 5 5- 6
6 -10.994 -20.224	158.38052	-56.9	8.1	83.6	315	1.11190	Q.853	-91.4	68.0	40.1	31.5	27.0	5.07741 4.41600	
7 -10.850 -20.246	157.03969	-59.2	7.9		31.1 TAB NO	1.10254		-89.0 PHOTO			30.6		EQUENCE NO	
JULY 31,1964 13 H	R 24 MIN 51	SEC 696 F	H S		IAD NO								•	
TRAJECTORY DATA				SEC TO 57.	IMPACT 104	ALT 133.01471	LAI -9.79	L(	N426	186	. K 8.470	2.537	PTH -65.352 11	AZ 5.086
PHOTO DATA						_		10: 41	11.00	044.7		41 OU A	SCALE	PT-PT
PT LAT LON 2 -10.909 -20.163	RANGE	AZS/C	AZN	AZSUN	AZA 31 2	A. 1.08389	0.850	-90-5	1NC D	39.3	31-8	27.8	0.	1- 2
2 -10.909 -20.163 3 -10.844 -20.255	159.37005	-59.2	7.9	-83.1 -82.8	31.1	1.07161	0.861	-89.6	67.9	40.1	30.0	21.0	3.37242	2- 3
4 -10.841 -20.091	154.91202	-60.7	8.3	-82.1	30.8	1.08757	0.847	-89.6	68.1	38.5	32.1	26.8	4.88223 4.36291	3- 4
5 -10.983 -20.067	156.25608	-58.4	8.5	-83.5	31.2	1.09761	0.839	-91.5	98.1	38.7	33.0	20.7	4.36291	4-5
6 -10.984 -20.233 7 -10.844 -20.255		-56.9 -59.2		-83.6 -82.8	31.5 31.1	1.08070	0.853 0.861	-91.4 -89.6	67.9	40.1 40.1	30.6	26.8 27.0	4.29189	6- 7
JULY 31,1964 13 H				1	TAB NO	123		<b>РНОТО</b>				POD S	EQUENCE NO	912
JULY 31,1964 13 H	R 24 MIN 52	SEC 536												
TRAJECTORY DATA				SEC TO 56.	IMPACT	ALT 131.0778	LAT 5 -9.60	1 -22	ON •401	18	н 56.533	2.538	PTH -65.336 11	
PHOTO DATA				4.7.61.41		Δ.		ZPHAZ	INCD	DHA7	EMIS	AI PHA	SCALE	PT-PT
PT LAT LON	RANGE	A25/L	AZN B 2	AZ SUN 83.1	31.2		0.850	-90.5	68.0	39.3	31.8	27.8	0	_12
2 -10.905 -20.169 3 -10.841 -20.259	1 150.42989	-59.2	7.9	-82.8	31.1	1.05613			67.9	40.1	30.6	27.0	3.32358 4.01147	2- 3
4 -10.838 -20.098	152.67429	-60.7	8.3	-82.7		1.07186		-89.6	68.1	38.5	32.1	28.8	4.81147	3- 4
5 -10.978 -20.074	153.99862	-58.4	8.5	-83.5	31.2	1.08117	0.839	-91.5	68.1	38.5	33.0	28.5	4.29979	
6 -10.979 -20.238	151.71344	-56.9	8.1	-83.6	31.5	1.06509	0.853	-91.4	68.0	40.1	31.5	26.8	4.86285	)- 0 4- 7
7 -10.841 -20.259	150.42989	-59.2	7.9	-82.8		1.05613					30.6	27.0		
JULY 31,1964 13 H		SEC 376	MS		TAB NO	124	ATLA	S PHOTO	) NO	124		צ שטא	EQUENCE N	) 913
JULI 3111707 13 1	IR 24 MIN 53													
TRAJECTORY DATA	1R 24 MIN 53			SEC TO		AL T	LAT		CN - 376	1.8	R 64.59	V 5 2.539	PTH -65.320 1	A2 L5.077
TRAJECTORY DATA				55.	.424	129.1400	6 -9.8	13 -22	.376		64.59	2.539	-65.320 1	15.077
TRAJECTORY DATA  PHOTO DATA  PT LAT LON				55.	.424	129.1400	6 -9.8	13 -22	.376		64.59	2.539	-65.320 1	PT-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.174				55.	.424	129.14C0 A* 1.05257	B/A 0.850	13 -22 AZPHAZ -90.5	.376 INCE 68.0	PHAZ 39.3	64.599 EMIS 31.7	2.539 ALPHA 27.8	-65.320 1 SCALE	PT-PT 1- 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26	RANGE 4 149.89545 4 148.22404	AZS/C -58.8 -59.2	AZN 8.2 7.9	55. AZSUN -83.1 -82.8	AZA 31.2 31.1	129.1400 A* 1.05257 1.04064	B/A 0.850 0.861	13 -22 AZPHAZ -90.5 -89.6	1NCE 68.0	PHAZ 39.3 40.1	EMIS 31.7 30.6	ALPHA 27.8 27.0	-65.320 1 SCALE	PT-PT 1- 2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.20 4 -10.835 -20.10	RANGE 4 149.89545 4 148.22404 4 150.43502	AZS/C -58.8 -59.2 -60.7	AZN 8.2 7.9	55. AZSUN -83.1 -82.8	AZA 31.2 31.1 30.8	A* 1.05257 1.04064 1.05614	B/A 0.85C 0.85C 0.861 0.847	AZPHAZ -90.5 -89.6 -89.6	INCE 68.0 67.9 68.1	9 40.1 39.3 40.1 38.5	EMIS 31.7 30.6 32.1 33.0	ALPHA 27.8 27.0 28.8 28.5	-65.320 1 SCALE 0. 3.27462 4.74060 4.23658	PT-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17' 3 -10.838 -20.26' 4 -10.835 -20.10' 5 -10.974 -20.08	RANGE 4 149.89545 148.22404 4 150.43502 1 151.73958	AZS/C -58.8 -59.2 -60.7 -58.4	AZN 8.2 7.9 8.3 8.5	55. AZSUN -83.1 -82.6 -82.7 -83.5	AZA 31.2 31.1 30.8	A* 1.05257 1.04064 1.05614 1.06531 1.04947	B/A 0.85C 0.861 0.847 0.839 0.853	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4	INCE 68.0 67.9 68.1 68.1	PHAZ 39.3 40.1 38.5 1 38.5	EMIS 31.7 30.6 32.1 33.0 31.5	ALPHA 27.8 27.0 28.8 28.5 26.7	-65.320 1 SCALE 0. 3.27462 4.74068 4.23658 4.79127	PT-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.20 4 -10.835 -20.10	RANGE 4 149.89545 4 148.22404 4 150.43502 1 151.73958 3 149.48848	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9	AZN 8.2 7.9 8.3 8.5	55. AZSUN -83.1 -82.6 -82.7 -83.5	AZA 31.2 31.1 30.8 31.2 31.5	A* 1.05257 1.04064 1.05614	B/A 0.85C 0.861 0.847 0.839 0.853	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4	INCE 68.0 67.9 68.1 68.1	PHAZ 39.3 40.1 38.5 1 38.5	EMIS 31.7 30.6 32.1 33.0 31.5	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0	-65.320 1 SCALE 0. 3.27462 4.74060 4.23658 4.79127 4.16767	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.20 4 -10.835 -20.10 5 -10.974 -20.08 6 -10.974 -20.24	RANGE 4 149.89545 4 148.22404 4 150.43502 1 151.73958 3 149.48848 4 148.22404	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9	AZN 8.2 7.9 8.3 8.5 8.0	55.  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6	AZA 31.2 31.1 30.8 31.2 31.5	129.14C0 A* 1.05257 1.04064 1.05614 1.06531 - 1.04947 1.04064	8/A 0.85C 0.861 0.847 0.839 0.853 0.861	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4	INCE 68.0 67.9 68.1 68.1	PHAZ 39.3 40.1 38.5 1 38.5 1 40.1	EMIS 31.7 30.6 32.1 33.0 31.5	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0	-65.320 1 SCALE 0. 3.27462 4.74068 4.23658 4.79127	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.20 4 -10.835 -20.10 5 -10.974 -20.08 6 -10.974 -20.24 7 -10.838 -20.26	RANGE 4 149.89545 4 148.22404 4 150.43502 1 151.73958 3 149.48848 4 148.22404	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9	AZN 8.2 7.9 8.3 8.5 8.0 7.9	55.  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6	AZA 31.2 31.1 30.8 31.2 31.5 31.1	129.14C0  A* 1.05257 1.04064 1.05614 1.06531 1.04947 1.04064 125	6 -9.8 8/A 0.85C 0.861 0.847 0.839 0.853 0.861 ATLA	13 -22 AZPHAZ -90.5 -89.6 -91.5 -91.4 -89.6 S PHOTO	INCE 68.0 67.9 68.1 68.1 68.0 0 NO	PHAZ 39-39-40-1 38-51-38-5 1-38-5 1-40-1 125	EMIS 31.7 30.6 32.1 33.0 31.5 30.6	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD S	-65.320 1 SCALE 0. 3.27462 4.74068 4.23658 4.79127 4.16767 SEQUENCE N	PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 914
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13  TRAJECTORY DATA	RANGE 4 149,89545 4 148,22404 4 150,43502 1 151,73958 3 149,48848 4 148,22404	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216	AZN 8.2 7.9 8.3 8.5 8.0 7.9	55.  AZSUN -83.1 -82.6 -82.7 -83.6 -82.6  SEC TO 54	AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO	129.14C0  A* 1.05257 1.04064 1.05614 1.06531 1.04947 1.04064 125	6 -9.8 8/A 0.85C 0.861 0.847 0.839 0.853 0.861 ATLA	AZPHAZ -90.5 -89.6 -89.6 -91.5 -89.6 -91.5 -89.6 S PHOTO	INCE 68.0 67.9 68.1 68.0 67.9 D NO	PHAZ 39.3 40.1 138.5 138.5 140.1 125	EMIS 31.7 30.6 32.1 33.0 31.5 30.6	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD \$	-65.320 1 SCALE 0. 3.27462 4.74068 4.23658 4.79127 4.16767 SEQUENCE N	PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 914
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.902 -20.17· 3 -10.838 -20.26· 4 -10.835 -20.10· 5 -10.974 -20.08 6 -10.974 -20.24 7 -10.838 -20.26·  JULY 31,1964 13 0  TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE 4 148, 89545 4 148, 22404 4 150, 43502 1 151, 73958 3 149, 48848 4 148, 22404 HR 24 MIN 54	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216	AZN 8.2 7.9 8.3 8.5 8.0 7.9	55.  AZ SUN -83.1 -82.8 -82.7 -83.5 -82.6  SEC TO 54.	AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO	129.14C0  A* 1.05257 1.04064 1.05614 1.06531 1.04064 125	6 -9.8 8/A 0.850 0.861 0.847 0.839 0.853 0.861 ATLA	13 -22  AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6  S PHOTO	INCE 68.0 67.9 68.1 68.1 67.9 D NO	PHAZ 39-39 40-1 38-5 1 38-5 1 40-1 125	EMIS 31.7 30.6 32.1 33.0 21.5 30.6	2.539 ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD \$	-65.320 1  SCALE 0. 3.27462 4.74060 4.23658 4.79127 4.16767 SEQUENCE N  PTH -65.303 1	PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 914
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.898 -20.18	RANGE 4 149.89545 4 149.22404 4 150.43502 1 151.73958 3 149.48848 4 148.22404 HR 24 MIN 54	AZS/C -58.8 -59.2 -60.7 -56.9 -59.2 SEC 216	AZN 8.2 7.9 8.3 8.3 6.0 7.9 MS	55.  AZ SUN -83.1 -82.8 -82.7 -83.6 -82.6 -82.6  SEC TO 54.  AZ SUN -83.1	AZA 31.2 31.1 30.8 31.2 31.1 TAB NO IMPACT 584	129.14C0  A* 1.05257 1.04064 1.05614 1.06531 1.04947 1.04064 125  ALT 127.2019 A* 1.03690	8/A 0.85C 0.861 0.853 0.863 0.853 0.861 ATLA LAT 6 -9.8	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6 S PHOTO	1NC E 68.0 67.0 NO	PHAZ 39.3 3 40.1 1 38.5 1 38.5 1 40.1 125	EMIS 31.7 30.6 32.1 33.0 21.5 30.6 R R62.65	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD \$	-65.320 1  SCALE 0. 3.27462 4.74068 4.23658 4.79127 4.16767 SEQUENCE N  PTH -65.303 1  SCALE 0. 3.22570	PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 914 AZ 15-073 PT-PT 1-2 2-3
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.08 6 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LON 2 -10.898 -20.18 3 -10.898 -20.18	RANGE 4 149, 89545 4 149, 89545 4 150, 43502 1 151, 73958 3 149, 48848 4 148, 22404 HR 24 MIN 54  RANGE 0 147, 66352 8 146, 01731	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216	AZN 8.2 7.9 8.3 8.3 8.9 7.9 MS	55.  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.6  SEC TO 54.  AZ SUN -83.1 -82.8	AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO IMPACT 584 AZA 31.2 31.1	129.14C0  A+ 1.05257 1.04064 1.05614 1.06531 1.04064 125  ALT 127.2019 A+ 1.03690 1.02515	8/A 0.85C 0.861 0.847 0.839 0.853 0.861 ATLA LAT 6 -9.8 B/A 0.85C	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6 S PHOTO  24 -22 AZPHAZ -90.5	1NCE 68.0 67.0 68.1 68.1 67.0 D NO	PHAZ 39-39-39-39-40-1 1 38-51 1 38-51 1 40-1 125 1 8 0 PHAZ 0 39-39-39-39-31 1 38-51	EMIS 31.7 30.6 32.1 33.0 31.5 30.6 R 862.65 EMIS 31.7 5 31.7	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD \$	-65.320 1 SCALE 0.3.27462 4.74068 4.23658 4.16767 SEQUENCE N PTH -65.303 1 SCALE 0.3.22570 4.66987	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 0 914 AZ 15.073 PT-PT 1- 2 2- 3 3- 4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13 0  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.838 -20.26 4 -10.836 -20.26 4 -10.836 -20.26	RANGE 4 149.89545 4 149.22404 5 150.43502 1 151.73958 3 149.48848 4 148.22404 HR 24 MIN 54  RANGE 0 147.66352 E 146.01731 1 148.19489	AZS/C -58.8 -59.2 -60.7 -56.9 -59.2 SEC 216 AZS/C -58.8 -59.2	AZN 8.2 7.9 8.3 8.5 8.0 7.9 MS	55.  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.6  SEC TO 54.  AZ SUN -83.1 -82.8	AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO  IMPACT .584  AZA 31.2 31.1 30.8	129.14C0  A+ 1.05257 1.04064 1.05614 1.06531 1.04064 125  ALT 127.2019 A+ 1.03690 1.02515	8/A 0.85C 0.861 0.847 0.839 0.853 0.861 ATLA LAT 6 -9.8 B/A 0.85C	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6 S PHOTO  24 -22 AZPHAZ -90.5	1NCE 68.0 67.0 68.1 68.1 67.0 D NO	PHAZ 39-39-39-39-40-1 1 38-51 1 38-51 1 40-1 125 1 8 0 PHAZ 0 39-39-39-39-31 1 38-51	EMIS 31.7 30.6 32.1 33.0 31.5 30.6 R 862.65 EMIS 31.7 5 31.7	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD \$	-65.320 1 SCALE 0. 3.27462 4.74068 4.23658 4.79127 4.16767 SEQUENCE N PTH -65.303 1 SCALE 0. 3.22570 4.66987 4.17346	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 0 914 AZ 15.073 PT-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.08 6 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAY 2 -10.836 -20.26 4 -10.836 -20.26 4 -10.833 -20.10 5 -10.996 -20.10	RANGE 148, 22404 150, 43502 151, 73958 3 149, 48848 1 148, 22404 HR 24 MIN 54  RANGE 0 147, 60352 2 146, 01731 1 148, 19489 149, 47970	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216 AZS/C -58.8 -59.2 -60.7 -58.6	AZN 8.2 7.9 8.3 8.5 9.0 7.9 MS	55.  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.6  SEC TO 54.  AZ SUN -83.1 -82.8	AZA 31.2 31.1 30.8 31.2 31.1 TAB NO  IMPACT 584  AZA 31.2 31.1 30.8 31.2	129.14C0  A* 1.05257 1.04064 1.05614 1.06531 1.04064 125  ALT 127.2019 1.03690 1.02515 1.04041 1.04364	8/A 0.85C 0.847 0.839 0.839 0.861 ATLA LAT 6 -9.8 8/A 0.85C 0.861 0.85C 0.861	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.5 -89.6 S PHOTO  AZPHAZ -90.5 -89.6 -89.6 -91.5 -89.6	INCE 68.0 68.1 68.0 67.0 D NO	125 1 38-5 1 38-5 1 38-5 1 40-1 125 18 19 40-1 1 38-5 1 38-5 1 40-1	EMIS 31.7 30.6 32.1 33.0 31.5 30.6 R 662.65 EMIS 31.7 31.7 31.7	ALPHA 27.8 27.0 28.0 28.5 26.7 27.0 POD \$ V 7 2.540 ALPHA 27.8 27.8 27.8 28.8 28.5 26.7	-65.320 1 SCALE 0.3.27462 4.74060 4.2365 4.16767 SEQUENCE N PTH -65.303 1 SCALE 0.3.22570 4.17346 4.71964	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 0 914 AZ 15-073 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13 0  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.838 -20.26 4 -10.836 -20.26 4 -10.836 -20.26	RANGE 4 149.89545 4 149.89545 5 148.22404 1 151.73958 3 149.48849 1 148.22404 HR 24 MIN 54  RANGE 0 147.66352 E 146.01731 1 148.19489 8 149.47970 1 147.26266	AZS/C -58.8 -59.2 -60.7 -58.9 -59.2 SEC 216 AZS/C -58.8 -59.2 -60.7 -56.9	AZN 8.2 7.9 8.3 8.5 9.0 7.9 MS	55.  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.4 -82.6  SEC TO 54  AZ SUN -83.1 -82.8 -82.8 -82.8 -82.8	AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO IMPACT -584  AZA 31.2 31.1 30.8 31.2 31.1	129.14c0  A* 1.05257 1.04064 1.05614 1.06531 1.04064 125  ALT 127.2019 A* 1.03690 1.02515 1.04041 1.03364 1.03364 1.03364	8/A 0.85C 0.847 0.839 0.839 0.861 ATLA LAT 6 -9.8 8/A 0.85C 0.861 0.85C 0.861	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.5 -89.6 S PHOTO  AZPHAZ -90.5 -89.6 -89.6 -91.5 -89.6	INCE 68.0 68.1 68.1 67.4 D NO	125 1 38-5 1 38-5 1 38-5 1 40-1 125 18 19 40-1 1 38-5 1 38-5 1 40-1	EMIS 31.7 30.6 32.1 33.0 31.5 30.6 R 662.65 EMIS 31.7 31.7 31.7	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD \$ 7 2.540 ALPHA 27.8 27.0 28.8 28.5 27.0	-65.320 1 SCALE 0.3.27462 4.74060 4.2365 4.79127 4.16767 SEQUENCE N PTH -65.303 1 SCALE 0.3.22570 4.69907 4.17346 4.71966 4.10551	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 0 914 AZ 15.073 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17* 3 -10.838 -20.26* 4 -10.835 -20.10* 5 -10.974 -20.24* 7 -10.838 -20.26*  JULY 31,1964 13 0  TRAJECTORY DATA  PHOTO D	RANGE 148, 22404 150, 43502 151, 73958 3 149, 48848 148, 22404 HR 24 MIN 54  RANGE 0 147, 66352 E 146, 01731 148, 19489 8 149, 47970 7 147, 26266 6 146, 01731	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216 AZS/C -58.8 -59.2 -60.7 -58.4 -55.9 -59.2	AZN 8.2 7.9 8.3 8.5 0.7.9 MS	55.  AZ SUN -83.1 -82.8 -82.7 -83.5 -82.6  SEC TO 54.  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.8	AZA 31.2 31.1 30.8 31.2 31.1 TAB NO IMPACT 584 AZA 31.2 31.1 30.8 31.2 31.1	129.14c0  A* 1.05257 1.04064 1.05614 1.06531 1.04064 125  ALT 127.2019 A* 1.03690 1.02515 1.04041 1.03364 1.03364 1.03364	8 -9.8 8/A 0.850 0.847 0.853 0.861 ATLA LAT 6 -9.8 8/A 0.852 0.861 C.847 0.853 0.861	13 -22 AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.5 -89.6 S PHOTO  AZPHAZ -90.5 -89.6 -89.6 -91.5 -89.6	INCE 68.0 67.9 68.1 67.9 D NO	PHAZ 39-39-39-40-1 1 38-5 1 38-5 1 40-1 125 1 8-5 1 9-40-1 1 38-5 0 40-1 9 40-1	EMIS 31.7 30.6 32.1 33.0 31.5 30.6 R 662.65 EMIS 31.7 31.7 31.7	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD \$ 7 2.540 ALPHA 27.8 27.0 28.8 28.5 27.0	-65.320 1 SCALE 0.3.27462 4.74060 4.2365 4.16767 SEQUENCE N PTH -65.303 1 SCALE 0.3.22570 4.17346 4.71964	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 0 914 AZ 15.073 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13 0  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -10.838 -20.26 4 -10.836 -20.26 4 -10.836 -20.26 6 -10.970 -20.28	RANGE 148, 22404 150, 43502 151, 73958 3 149, 48848 148, 22404 HR 24 MIN 54  RANGE 0 147, 66352 E 146, 01731 148, 19489 8 149, 47970 7 147, 26266 6 146, 01731	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216 AZS/C -58.8 -59.2 -60.7 -58.4 -55.9	AZN 8.2 7.9 8.3 8.5 0.7.9 MS	55.  AZ SUN -83.1 -82.8 -82.7 -83.6 -82.6  SEC TO 54  AZ SUN -83.1 -82.8 -82.7 -83.6 -82.8	AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO  IMPACT 584  AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO	129.14c0  A* 1.05257 1.04064 1.05511 1.06531 1.06947 1.04064 125  ALT 127.2019 A* 1.03690 1.02515 1.04041 1.04944 1.02515	6 -9.6 6/A 0.85C 0.861 0.847 0.839 0.853 0.861 ATLA B/A 0.86C 0.861 0.861 0.861 ATLA	13 -22  AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6  S PHOTO  24 -22  AZPHAZ -90.5 -89.6 -89.6 -89.6 -89.6  S PHOTO  AS PHOTO  AS PHOTO  AS PHOTO  AS PHOTO	INCE 68.6 68.6 68.6 68.6 67.0 0 NO	PHAZ 39.3 40.1 138.5 1 40.1 125 18 18 19 40.1 138.5 1 40.1 1 38.5 1 40.1 1 38.5 1 40.1 1 25	EMIS 31.7 30.6 32.1 33.0 31.5 30.6 8 62.65 6 31.7 6 33.0 31.7 6 33.0 31.7 6 33.0 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ALPHA 27.0 27.0 28.5 28.5 26.7 27.0 POD \$ ALPHA 27.8 27.8 27.0 28.8 27.0 28.8 27.0	-65.320 1 SCALE 0. 3.27462 4.74068 4.23658 4.79127 4.16767 SEQUENCE N PTH -65.303 1 SCALE 0. 3.22570 4.66987 4.17344 4.71966 4.10551 SEQUENCE N	PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 914  AZ 15.073  PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 915
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.898 -20.18 3 -10.896 -20.26 4 -10.833 -20.11 5 -10.969 -20.08 6 -10.970 -20.24 7 -10.836 -20.26	RANGE 4 149.89545 4 149.89545 5 148.22404 5 151.73958 3 149.48849 1 48.22404 HR 24 MIN 54  RANGE 0 147.66352 E 146.01731 148.19489 8 149.47970 147.2626 6 146.01731 HR 24 MIN 55	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216 AZS/C -58.8 -90.7 -58.4 -50.7 -59.2 SEC 56	AZN 8.2 7.9 8.3 8.5 0.7.9 MS	55.  AZ SUN -83.1 -82.8 -82.7 -83.6 -82.6  SEC TO 54  AZ SUN -83.1 -82.8 -82.7 -83.6 -82.8	AZA 31.2 31.1 30.8 31.2 31.5 31.1  TAB NO  IMPACT 584  AZA 31.2 31.1 30.8 31.2 31.5	129.14C0  A+ 1.05257 1.04064 1.05531 1.04947 1.04064 125  ALT 127.2019 A+ 1.03690 1.02515 1.04641 1.03384 1.02515	6 -9.6 8/A 0.85C 0.86C 0.847 0.839 0.853 0.861 ATLA B/A 0.86C 0.86C 0.86C 0.86C 0.86C 0.86C 0.86C 0.86C 0.86C 0.86C 0.86C 0.853 0.853 0.86C 0.853 0.86C 0.853	13 -22  AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6  S PHOTO  24 -22  AZPHAZ -90.5 -89.6 -91.5 -91.4 -89.6  ASP.6 -91.5 -91.4 -89.6	INCE 68.668.668.668.668.668.67.67.668.67.68.68.67.0 NO	PHAZ 39-39-39-39-39-39-39-39-39-40-1 125 D PHAZ 9 40-1 1 38-59-39-39-39-39-39-39-39-39-39-39-39-39-39	EMIS 31.7 30.6 31.7 30.6 8 8 62.65 32.1 33.0 30.6	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD 5 2.540 ALPHA 27.8 27.0 28.8 27.0 POD 5 26.7 27.0 POD	-65.320 1  SCALE 0. 3.27462 4.74068 4.23658 4.79127 4.16767  SEQUENCE N  PTH -65.303 1  SCALE 0. 3.22570 4.17346 4.10551  SEQUENCE N	PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 914 AZ 15.073 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 915
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.838 -20.26  JULY 31,1964 13.15 10.836 -20.26 4 -10.833 -20.11 5 -10.969 -20.18 6 -10.970 -20.26 JULY 31,1964 13.15 TRAJECTORY DATA  PHOTO DATA PT LAT LON TRAJECTORY DATA PHOTO DATA PT LAT LON TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE 4 149.89545 4 149.89545 4 148.22404 5 151.73958 3 149.48848 1 148.22404 HR 24 MIN 54  RANGE 0 147.66352 E 146.01731 1 148.19489 B 149.47970 6 140.01731 HR 24 MIN 55	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216 AZS/C -58.8 -59.2 SEC 26.7 -58.4 -56.9 -59.2 SEC 56	AZN 8-2 7-93 8-5 8-0 7-9 MS AZN 2 7-9 8-3 8-50 7-9	55.  AZ SUN -83.1 -82.6 -82.7 -83.6 -82.6  SEC TO 54  AZ SUN -83.1 -82.7 -83.6 -82.8	AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO IMPACT .584  AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO	129.14C0  A* 1.05257 1.04064 1.05614 1.06531 1.04064  125  ALT 127.2019 1.03690 1.02515 1.04044 1.03964 1.02515 126	8/A 0.85c 0.861 0.847 0.853 0.861 ATLA  LAT 6 -9.8  B/A 0.856 0.861 C.847 0.853 0.861 ATLA	13 -22  AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6 S PHOTO  24 -22  4-90.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6	INCC 68. 68. 68. 68. 68. 68. 68. 67. CO NO NO LON 2.326	D PHAZ 0 39.39.39.39.39.40.11.38.59.40.11.39.40.11.25 188.59.40.11.125 188.59.40.11.38.59.40.10.10.11.38.59.40.11.38.59.40.10.11.38.59.40.11.38.59.40.11.38.59.	EMIS 31.7 30.6 32.1 33.0 6 R R 162.65 331.5 33.0 6 R R 860.71 33.0 6	2.539  ALPHA 27.0 28.8 27.0 28.5 26.7 27.0  POD \$  7 2.540  ALPHA 27.8 28.5 26.7 27.0  POD \$	-65.320 1  SCALE 0.3.27462 4.74068 4.23658 4.79127 SEQUENCE N  PTH -65.303 1 SCALE 0.3.22570 4.69987 4.17346 4.71966 4.10551 SEQUENCE N	PT-PT 1-2 2-3 3-4 4-5 5-6 7 0 914  AZ 15.073  PT-PT 1-2 2-3 3-4 5-6 6-7 0 915
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17 3 -10.838 -20.26 4 -10.835 -20.10 5 -10.974 -20.24 7 -10.838 -20.26  JULY 31,1964 13  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.838 -20.26  JULY 31,1964 13.15 10.836 -20.26 4 -10.838 -20.26 4 -10.838 -20.26 4 -10.838 -20.26 JULY 31,1964 13.15 TRAJECTORY DATA PT LAT LON TRAJECTORY DATA PT LAT LON PHOTO DATA PT LAT LON PHOTO DATA PT LAT LON PHOTO DATA PT LAT LON PT LAT	RANGE 4 149.89545 4 149.89545 4 148.22404 5 151.73958 3 149.48848 1 148.22404 HR 24 MIN 54  RANGE 0 147.66352 E 146.01731 1 148.19489 B 149.47970 6 140.01731 HR 24 MIN 55	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216 AZS/C -58.8 -59.2 SEC 26.7 -58.4 -56.9 -59.2 SEC 56	AZN 8-2 7-9 8-3 8-5 7-9 MS AZN 8-2 AZN 8-2 AZN 8-2 AZN 8-2 AZN 8-2 AZN 8-2	55.  AZ SUN -83.1 -82.6 -82.7 -83.6 -82.6  SEC TO 54.  AZ SUN -83.1 -82.8 -82.6  SEC TO 53.4  AZ SUN -83.5 -83.6 -82.8	AZA 31.2 31.1 30.8 31.2 31.5 31.1 TAB NO INPACT .584  AZA 31.2 31.1 TAB NO IMPACT .744  AZA 31.2 31.1	129.14C0  A+ 1.05257 1.04064 1.00531 1.04947 1.04064  125  ALT 127.2019 A+ 1.03690 1.02515 1.04041 1.04944 1.03384 1.02515 126  ALT 125.2631 A+ 1.02523	8/A 0.850 0.861 0.847 0.853 0.861 ATLA 6 -9.8 89 0.853 0.861 C.647 0.853 0.861 C.647 0.853 0.861 ATLA LATLA 6.851 0.853 0.861 0.861 0.863 0.868	13 -22  AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6 S PHOTO  24 -2  AZPHAZ -90.5 -89.6 -91.5 -91.4 -89.6 -89.	INCC 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.6 67.4 67.4 68.6 67.4 68.6 67.4 68.6 67.4 68.6 67.6 68.6 67.6 68.6 68.6 67.6 68.6 67.6 68.6 67.6 68.6 67.6 68.6 67.6 68.6 67.6 68.6 68	) PHAZ 39.39 39.40.11 38.51 40.11 125 18 20 40.1 125 18 38.51 38.5	EMIS 31.7 30.6 32.1 33.0 6 8 8 62.65 31.7 30.6 6 32.1 5 30.6 8 8 60.71 2 2 EMIS 2 2 EMIS 2 2 EMIS 2 EMIS 2 EMIS 2 EMIS 2 EMIS 3 31.7	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD 5 26.8 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 ALPHA 27.8 27.7 27.0 POD 5 26.7 27.0 POD 5 26.7 27.0 POD 5 26.7 27.0 27.0 POD 5 26.7 27.8 27.8 27.8 27.8 27.8 27.8 27.8 27	-65.320 1  SCALE 0.3.27462 4.74068 4.23658 4.79127 SEQUENCE N  PTH -65.303 1 SCALE 0.3.22570 4.69987 4.17346 4.71966 4.10551 SEQUENCE N	PT-PT 1-2 2-3 3-4 4-5 5-6 7 0 914  AZ 15.073  PT-PT 1-2 2-3 3-4 5-6 6-7 0 915
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17. 3 -10.838 -20.26. 4 -10.835 -20.10. 5 -10.974 -20.24. 7 -10.838 -20.26.  JULY 31,1964 13 0  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -10.836 -20.26.  JULY 31,1964 13. 5 -10.969 -20.28  JULY 31,1964 13. TRAJECTORY DATA PT LAT LON 2 -10.836 -20.26  JULY 31,1964 13.  TRAJECTORY DATA PT LAT LON 2 -10.894 -20.18 PHOTC DATA PT LAT LON 2 -10.894 -20.18 3 -10.836 -20.26	RANGE 4 149.89545 4 149.89545 4 149.2404 4 150.43502 1 151.73958 3 149.48849 4 148.22404 HR 24 MIN 54  RANGE 0 147.66352 E 146.01731 148.19489 8 149.47970 7 147.2626 6 146.01731 HR 24 MIN 55	AZS/C -58.8 -59.2 -60.7 -58.4 -56.9 -59.2 SEC 216 AZS/C -58.8 -90.7 -58.4 -50.7 -59.2 SEC 56	AZN 8-2 7-9 8-3 8-5 8-2 7-9 MS AZN 8-2 7-9 MS	55.  AZ SUN -83.1 -82.6 -82.6 -82.6  SEC TO -83.6 -82.8  AZ SUN -83.1 -82.8 -82.8	AZA 31.2 31.1 30.8 31.2 31.1 TAB NO IMPACT .584 AZA 31.2 31.1 TAB NO	129.14C0  A* 1.05257 1.04064 1.05614 1.06531 1.04064  125  ALT 127.2019 1.03690 1.02515 1.04641 1.03384 1.02515  126  ALT 125.2631	8/A 0.856 0.861 0.847 0.853 0.861 ATLA  LAT 6 -9.8 8/A 0.65C 0.861 C.647 0.633 0.861 ATLA	13 -22  AZPHAZ -90.5 -90.5 -90.5 -91.5 -91.5 -91.4 -89.6 S PHOTO  24 -22  42 -90.5 -91.5 -91.6 -91.5 -91.6 -91.5 -91.6 -91.5 -91.6 -91.5 -91.6 -91.5 -91.6 -91.5 -91.6 -91.5 -91.6 -91.5 -91.6 -91.5 -91.6	1NCC 68.1 68.1 68.1 67.4 68.1 67.4 1NC 68.6 67.4 67.6 68.6 67.0 0 NO	) PHAZ ) 39.39, 39.40, 11 ) 38.55, 1	EMIS 31.7 30.6 32.1 33.0 6 8 8 62.65 5 31.7 3 30.6 8 8 8 8 31.7 2 EMIS 3 31.5 3 31.7 2 EMIS 3 31.7 2 EMIS 3 31.7 2 EMIS 3 31.7 5 8 8 8 8 7 1 30.6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2.539  ALPHA 27.8 27.0 28.6 28.5 26.7 27.0  POD \$  ALPHA 27.8 28.5 26.7 27.0  POD \$	-65.320 1  SCALE 0. 3.27462 4.74069 4.2365 4.79127 4.16767 SEQUENCE N  PTH -65.303 1 SCALE 0. 3.22570 4.10351 SEQUENCE N  PTH 1-65.287 SCALE 0. 3.17670	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 914  AZ 15-073  PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7 0 915  AZ 15-068  PT-PT 1- 2 2- 3 3- 4 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17. 3 -10.838 -20.26. 4 -10.835 -20.10. 5 -10.974 -20.24. 7 -10.838 -20.26.  JULY 31,1964 13  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.898 -20.18 3 -10.836 -20.26. 4 -10.833 -20.11 5 -10.969 -20.18 6 -10.970 -20.24 7 -10.836 -20.26  JULY 31,1964 13  IRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.836 -20.26  JULY 31,1964 13  IRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.894 -20.18 3 -10.894 -20.18 3 -10.893 -20.11	RANGE 148, 22404 150, 43502 151, 73958 3 149, 48848 1 148, 22404 HR 24 MIN 54  RANGE 0 147, 66352 E 146, 01731 148, 19489 8 149, 47970 7 147, 26266 6 145, 43114 E 24 MIN 55	AZS/C -58.8 -59.2 -60.7 -58.9 -59.2 SEC 216 AZS/C -58.8 -59.2 -60.7 -59.2 SEC 56	AZN 8-2 7 - 9 8 - 3 8 - 5 7 - 9 8 - 2 7 - 9 8 - 3 8 - 5 7 - 9 8 - 2 7 - 9 8 - 2 7 - 9 8 - 3 8 - 2 7 - 9 - 2 7 - 9 8 - 2 7 - 9 - 2 7 - 9 - 2 7 - 9 - 2 7 - 9 - 2 7	55.  AZ SUN -83.1 -82.8 -82.7 -83.6 -82.6  SEC TO 54.  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.8	AZA 31.2 31.1 30.8 31.2 31.1 531.1 TAB NO IMPACT .584  AZA 31.2 31.1 TAB NO IMPACT .744 AZA 31.2 31.1 TAB NO	129.14C0  A+ 1.05257 1.04064 1.00531 1.04064 125  ALT 127.2019 A+ 1.03690 1.02515 1.04041 1.04944 1.03384 1.03515 126  ALT 125.2631 A+ 1.02515	8/A 0.85C 0.861 0.847 0.853 0.861 ATLA  LAT 6 -9.8  B/A 0.853 0.861 C.647 0.853 0.861 ATLA	13 -22  AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6 S PHOTO  24 -2  AZPHAZ -90.5 -89.6 -91.6 -89.6 -91.6 -89.6 -91.6 -89.6 -91.6 -89.6 -91.6 -89.6	INCC 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 68.1 67.4 68.1 67.4 68.1 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 67.4 68.1 68.1 67.4 68.1 67.4 68.1 67.4 68.1 68.1 67.4 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1	18	EMIS 31.7 30.6 32.1 33.0 6 8 8 62.65 31.7 5 32.1 1 30.6 32.1 1 30.6 32.1 1 30.6 32.1 1 30.6	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD 5 26.8 27.0 28.8 27.8 27.8 27.0 28.8 27.8 27.8 27.8 27.8 27.8 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 27.0 27.0 28.8 28.8 27.0 28.8 28.8 27.0 28.8 28.8 27.0 28.8 28.8 27.0 28.8 28.8 27.0 28.8 28.8 27.0 28.8 27.0 28.8 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 27.0 28.8 28.0 28.0 28.8 28.0 28.0 28.0 28	-65.320 1  SCALE 0. 3.27462 4.74064 4.23658 4.79127 4.16767  SEQUENCE N  PTH -65.303 1 SCALE 0. 3.22570 4.17346 4.17346 4.11955  SEQUENCE N  PTH -65.287  SCALE 0. 3.17677  SCALE 0. 3.17677 4.59901	PT-PT 1-2 2-3 3-4 4-5 5-6 7 0 914  AZ 15.073  PT-PT 1-2 2-3 3-4 4-5 6-7 0 915  AZ 15.068  PT-PT 1-2 12 2-3 3-4 4-5 6-7 0 915
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.902 -20.17. 3 -10.838 -20.26. 4 -10.835 -20.10. 5 -10.974 -20.24. 7 -10.838 -20.26.  JULY 31,1964 13 0  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -10.836 -20.26.  JULY 31,1964 13. 5 -10.969 -20.28  JULY 31,1964 13. TRAJECTORY DATA PT LAT LON 2 -10.836 -20.26  JULY 31,1964 13.  TRAJECTORY DATA PT LAT LON 2 -10.894 -20.18 PHOTC DATA PT LAT LON 2 -10.894 -20.18 3 -10.836 -20.26	RANGE 148, 22404 150, 43502 151, 73958 3 149, 48848 1 148, 22404 HR 24 MIN 54  RANGE 0 147, 66352 E 146, 01731 148, 19489 8 149, 47970 7 147, 26266 6 145, 43114 E 24 MIN 55	AZS/C -58.8 -59.2 -60.7 -58.9 -59.2 SEC 216 AZS/C -58.8 -59.2 -60.7 -59.2 SEC 56	AZN 8-2 8-3 8-5 8-0 9.0 7-9 MS AZN 8-2 7-9 8-3 8-5 8-0 7-9 MS AZN 8-2 8-3 8-5 8-5 8-5 8-5 8-5 8-5 8-5 8-5 8-5 8-5	55.  AZ SUN -83.1 -82.6 -82.6 -82.6  SEC TO -83.6 -82.8  AZ SUN -83.1 -82.8 -82.8	AZA 31.2 31.1 30.8 31.2 31.1 30.8 1.2 31.5 31.1 TAB NO  IMPACT .584  AZA 31.2 31.1 TAB NO	129.14C0  A+ 1.05257 1.04064 1.05251 1.04064 1.0591 1.04064 125  ALT 127.2019 A+ 1.03690 1.02515 1.04064 1.03584 1.03584 1.03586 1.04064 1.02515 126	8/A 0.856 0.861 0.847 0.853 0.861 ATLA  LAT 6 -9.8 8/A 0.65C 0.861 C.647 0.633 0.861 ATLA	13 -22  AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6 S PHOTO  24 -22  AZPHAZ -90.5 -89.6 -91.5 -81.4 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5 -89.6 -91.5	.376 68., 67. 68., 68., 67. 68., 68., 67. 68., 67. 68., 67. 68., 67. 68., 67. 68., 67. 68., 67. 68., 67. 68., 67. 68., 67. 68., 67. 68., 67. 68., 68., 67. 68., 68., 68., 68., 68., 68., 68., 68.	D PHAZ 1 39.39 1 38.55 1 38.55 1 38.55 1 38.55 1 38.55 1 38.55 1 38.55 1 25 1 25 1 25 1 25 1 38.55 1 38.55	64-59! EMIS 31.7 30.6 32.1 33.0 6 8 8 62.65 63 32.1 5 33.0 6 8 8 8 60.71 1 30.6 8 7 5 32.1 5 32.1 5 32.1 5 32.1 5 32.1 7 30.6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ALPHA 27.8 27.0 28.8 28.5 26.7 27.0 POD \$ 7 2-540 ALPHA 27.8 28.5 26.7 27.0 POD \$	-65.320 1  SCALE 0. 3.27462 4.74068 4.23658 4.79127 4.16767  SEQUENCE N  PTH -65.303 1 SCALE 0. 3.22570 4.66987 4.17346 4.110551 SEQUENCE N  PTH -55.287 SCALE 0. 3.17677 4.59901 4.11022 4.6480	PT-PT 1-2 2-3 3-4 4-5 5-6 7 0 914  AZ 15.073  PT-PT 1-2 2-3 3-4 4-5 6-7 0 915  AZ 15.068  PT-PT 1-2 15.068  PT-PT 1-2 15.068

				RA-VII	CAMERA	P2		-				22
					TAB NO	127	ATLAS PHOT	O NO	127	POD S	SEQUENCE NO	916
JULY 31,1964 13 HR												
TRAJECTORY DATA				SEC TO	IMPACT.	. ALT	LATI 5 -9.848 -2	ON	RR	Y	PTH	Z
PHOTO DATA  PT LAT LON 2 -10.890 -20.191 3 -10.830 -20.277 4 -10.827 -20.124 5 -10.959 -20.103 6 -10.950 -20.257 7 -10.830 -20.277						123+3230	7.040 -21	2.500	1030.77	2.542	-65.270 115	.063
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A *	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCAL'E P	T-PT
3 -10.830 -20.191	143.19582	-58.8	7.0	-83.1	31.2	1.00552	0.85190.5	68.0	39.3 31.7	27.8	0	1- 2
4 -10.827 -20.124	143,71080	-60.7	8.3	-82.7	30.8	1.00893	0.847 -89.6	68.1	38.5 32.1	28.8	4.52812	3- 4
5 -10.959 -20.103	144.95611	-58.4	8.5	-83.5	31.2	1.01768	0.839 -91.5	68.1	38.5 32.9	28.5	4.04693	4- 5
7 = 10 - 830 - 20 - 277	142.80723	-56.9	8.0	-83.6	31.5.	1.00257	0.853 -91.4	67.9	40-1 31-4	26.7	4.57634 3.98118	5- 6
. 101030 201211	141.00007	-39.2										
JULY 31,1964 13 HR	24 MIN 56	SEC. 736	MS		TAB NO	128	ATLAS PHOT	O NO		POD S	EQUENCE NO	917
TRAJECTORY DATA				SEC TO	IMPACT	AL T	LAT (	ΩN	P	v	DTH A	. 7
				52.	064	121.38382	LAT 1	2.275	1856.83	9 2.543	-65.254 115	.059
PHUTO DATA	DANCE		4.74	475111			0.44					
2 -10.886 -20.197	140.96008	-58.8	8.2	-83.1	31.2	0.98982	0.851 -90.5	68- N	70AZ EMIS	27 8	SCALE P	1-PI
3 -10.827 -20.281	139.38958	-59.2	7.9	-82.8	31.1	0.97862	0.861 -89.6	67.9	40.1 30.6	27.0	3.07879	2- 3
PHOTO DATA PT LAT LON 2-10.886 -20.197 3-10.827 -20.281 4-10.824 -20.131 5-10.954 -20.110	141 46685	-60.7	8.3	-82.7	30.8	0.99318	C-847 -89-6	_68 <u>_1</u>	38-5 32-1	28.8	4-45718	3- 4
5 -10.954 -20.110 6 -10.955 -20.261 7 -10.827 -20.281	140.57760	-56.9	8.0	-83.6	31.5	1.00179	0.853 -91.4	67.9	38-5 32-9	28.5	3.98371	4- 5 5- 6
7 -10.827 -20.281	139.38958	-59.2	7.9	-82.8	31.1	C.97862	0.861 -89.6	67.9	40.1 30.6	27.0	3.91892	6- 7
					TAB NO		ATLAS PHOT				EQUENCE NO	
JULY 31,196413 HR												
TRAJECTORY DATA				SEC LO.	IMPACI	ALT	LATI 	NO.	R	У	_ PIHA	z
PHOTO DATA				51.	224	119.44354	-9.871 -2	2.250	1854.89	9 2.545	-65.237 115	.054
PT LAT LON	RANGE	AZS/C	ΔŽN	AZ SUN	A7 A	Δ.	R/A AZPHAZ	INCD	DHA7 EMIS	AI DU A	SCALE D	T-OT
2 -10.883 -20.203	138,72354	-58.8	8.2	-83.1	31.2	0.97412	0.851 -90.5	68.0	39.3 31.7	27.8	O.	1- 2
3 -10.824 -20.285	137.17829	-59.2	7.9	-82.8	31.1	0.96310	0.861 -89.6	67.9	40.1 30.6	27.0	3.02975	2- 3
5 -10.949 -20.117	140.42794	60 L/	. 8.5	-82.7	30.9	_ 0.97742	0.84789.6	.68.0	38.5 32.1	28.7	4.38626	3- 4
6 -10.950 -20.266	138.34720	-56.9	8.0	-83.6	31.5	0.97125	0.853 -91.4	67.9	40.1 31.4	26.7	4.43293	5- 6
PHOTO DATA PT LAT LON 2 -10.883 -20.203 3 -10.824 -20.285 4 -10.821 -20.138 5 -10.949 -20.117 6 -10.950 -20.266 7 -10.824 -20.285	137.17829	-59.2	7.9	-82.8	31.1	0.96310	0.861 -89.6	67.9	40.1 30.6	27.0	3.85665	6- 7
JULY 31,1964 13 HR				•	TAB NO	130	ATLAS PHOTO	O NO	130	POD S	EQUENCE NO	919 -
TRAJECTORY DATA				SEC IO	IMPAGI.	ALT	- LAT I	.ON .	R	V	PIH. A	Z
PHOTO DATA						117.5022			1032.93	0 2.340	-65.220 115	.050
PT LAT LON	RANGE	AZS/C	AZN	AZSUN	AZA	A *	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE P	T-PT
3 -10.879 -20.208	136.48536		8.2	-83.1	31.2	0.95840	0.851 -90.5	_ 68.0	39.3.31.7	27.7		1- 2
4 -10.819 -20.145	136.97573	60.7 _	8.3	-82.7	30.9	0.96165	0.848 -89.6	68.0	38.5 32.1	28.7	2.98076 4.31527	2- 3
5 -10.944 -20.124	138.16180	-58.4	8.5	-83.5	31.2	0.96998	0.840 -91.5	68.1	38.5 32.9	28.5	3.85707	4- 5
7 -10.821 -20.290	136.96533	<u>-56.9</u>	7.0	-83.6	31.5	C-95558	0.853 -91.4	67.9	40-1 31-4	26.7	4.36115	5- 6
PHOTO DATA PT LAT LON 2 -10.879 -20.208 3 -10.821 -20.290 4 -10.819 -20.125 5 -10.944 -20.124 6 -10.945 -20.271 7 -10.821 -20.290				-02.0	TAB NO	0.94138	0.001 -09.6	01.9	40.1 30.3	21.0	3.19449	6- /
JULY 31,1964 13 HR				•	TAB NO	131	ATLAS PHOT	0 NO		. 00 0	EQUENCE NO	320
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT (	CN	R	v	PTH A	Z
PHOTO DATA				49.	>44	115.56090	-9.895 -2	4.199	1851.01	6 2.547	~65.204 115	.045
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A+	B/A AZPHAZ	INCL	PHAL CAL	# FUA	32415	T - OT
2 -10.875 -20.214	134-24674	-58.8	8 - 2	-83.1	31.2	0.94268	0.851 -90.5	68.0	39.3 31.7	27.7		1- 2
4 -10.816 -20.294	134,72892	-59.2	7.9	-82.8 -82.7	31.1	0.93202	0.861 -89.6	67.9	40.1 30.5	27.0	2.93171	2- 3
5 -10 939 -20 131								00.0	コロ・コ ラと・1			3- 4
2 104737 -201131	135.89523	-58.4	8.4	-83.5	31.2	0.95407	C.84C -91.5	68.1	38.5 32.9	28.5	3.79365	4- 5
6 -10.940 -20.275	135.89523	-58.4 -56.9	8.4	-83.5 -83.6	31.2 31.5	0.95407 0.93991	C.84C -91.5 O.853 -91.4	68.1 67.9	38.5 32.9 40.1 31.4	28.5	3.79365 4.28939	4- 5 5- 6
6 -10.940 -20.275 7 -10.818 -20.294	135.89523 133.88263 132.75194	-58.4 -56.9 -59.2	8.4 8.0 7.9	-83.5 -83.6 -82.8	31.2 31.5 31.1	0.95407 0.93991 0.93202	C.84C -91.5 0.853 -91.4 C.861 -89.6	68.1 67.9 67.9	38.5 32.9 40.1 31.4 40.1 30.5	28.5 26.7 27.0	3.79365 4.28939 3.73202	4- 5 5- 6 6- 7
PHOTO UAIA PT LAT LON 2 -10.875 -20.214 3 -10.818 -20.294 4 -10.816 -20.152 5 -10.939 -20.131 6 -10.940 -20.275 7 -10.818 -20.294  JULY 31,1964 13 HR				-83.5 -83.6 -82.8	31.2 31.5 31.1 TAB NO	0.95407 0.93991 0.93202	C.84C -91.5 0.853 -91.4 C.861 -89.6 ATLAS PHOT	68.1 67.9 67.9	38.5 32.9 40.1 31.4 40.1 30.5 132	28.5 26.7 27.0 POD S	3.79365 4.28939 3.73202 EQUENCE NO	4- 5 5- 6 6- 7 921
JULY 31,1964 13 HR	25 MIN 0	SEC 95	MS	SEC TO	IMPACT	132 ———————	LAT I	O NO 	132 	POD S	PTH A	921
JULY 31,1964 13 HR	25 MIN 0	SEC 95	MS	SEC TO	IMPACT	132 ———————	LAT I	O NO 	132 	POD S	PTH A	921
JULY 31,1964 13 HR	25 MIN 0	SEC 95	MS	SEC TO	IMPACT	132 ———————	LAT I	O NO 	132 	POD S	PTH A	921
JULY 31,1964 13 HR	25 MIN 0	SEC 95	MS	SEC TO	IMPACT	132 ———————	LAT I	O NO 	132 	POD S	PTH A	921
JULY 31,1964 13 HR	25 MIN 0	SEC 95	MS	SEC TO	IMPACT	132 ———————	LAT I	O NO 	132 	POD S	PTH A	921
JULY 31,1964 13 HR	25 MIN 0	SEC 95	MS	SEC TO	IMPACT	132 ———————	LAT I	O NO 	132 	POD S	PTH A	921
JULY 31,1964 13 HR	25 MIN 0	SEC 95	MS	SEC TO	IMPACT	132 ———————	LAT I	O NO 	132 	POD S	PTH A	921
JULY 31,1964 13 HR	25 MIN 0	SEC 95	MS	SEC TO	IMPACT	132 ———————	LAT I	O NO 	132 	POD S	PTH A	921

TRAJECTORY DATA PHOTO DATA

				RA-VII	I CAMERA	P2								23
JULY 31,1964 13 HR	25 MIN 0	SEC 935	MS		TAB NO	133	ATL	AS PHOTO	ON C	133		POD S	EQUENCE N	0 922
				SEC. TO	1 MPACT				ON			v	PTH	ΑZ
TRAJECTORY DATA					864	ALT 111.6759	LA 5 -9.			184	R 7.131		-65.170 1	
PHOTO DATA PT LAT LON	RANGE	A1010	A 7 N	A 7 C ( ) A 1				AZPHAZ	TNCD	0414.7	CHIC	A1 01/A	SCALE	PT-PT
2 -10.867 -20.226	129.76574	-58.8	8.2	-83.1	31.2	A+ 0-91122		-90.5					0.	
3 -10.813 -20.303	128.32143	-59.2		-82.8		C-90091	C.861	-89.6	67.9	40.1	30.5	27.0	2.83356	2- 3
4 -10.810 -20.165	130.23158	-60.7		-82.7		C.91430	C.848	-89.6	68.0	38.5	32.0	28.7	4.10224	
5 -10.929 -20.145				-83.5		C.92222	C.84C	-91.5	68.1	38.5	32.9	28.5	3.66681 4.14578	
6 -10.930 -20.285 7 -10.813 -20.303						0.90854 C.90091							3.60748	
1 201013 201703	120132113	3,42	,										EQUENCE N	
JULY 31,1964 13 HR	25 Fin 1	SEC 775	MS		TAB NO	134	A!L	AS PHOTO	UNU	134		POD S	EQUENCE N	0 923
								_						
TRAJECTORY DATA					IMPACT 024	ALT 109.7325	LA 6 -9.	T L 930 -22		184	R 5.188	2.550	-65.154 l	AZ 15.031
PHOTO DATA	RANGE												SCALE	PT-PT
PT LAT LCN 2 -10.863 -20.232	127 52330	472/C		AZ SUN -83.1		A+ C 93547		-90.5					0.	
3 -10.810 -20.307				-82.8		0.88535	0.862	-89.6	67.9	40.1	30.5	27.0	2.78442	2- 3
4 -10.807 -20.172	127.98104	-60.7		-82.7		C.89850	0.84 5	-89.6	0.684	38.5	32.0	28.7	4.03116	34_
5 -10.925 -20.153	129.08809	-58.4		-83.5		C.90628	0.84C	-91.5	68.0	38.5	32.9	28.4	3.60339	4-5
6 -10.925 -20.290								-91.4					4.07392	
7 -10.810 -20.307	126.10433	-59.2						-89.6					3.54492	
					TAB NO	135	ATL	AS PHOTO	ON C	135		POD S	EQUENCE N	0 924
JULY 31,1964 13 HR	25 MIN 2	SEL 615	MS	-					-					
TRAJECTORY DATA				SEC TO	IMPACT	ALT 107.7886	LA 6 -9.		.ON .096			V 2,551	PTH -65.137 I	AZ 15.026
PHOTC DATA														
	RANGE			AZSUN				AZPHAZ					SCALE	PT-PT
2 -10.859 -20.237 3 -10.807 -20.312				-83.1 -82.8				-89.6						
4 -10.804 -20.179	125.72939			-82.7				-89.6					3.96005	
5 -10.920 -20.160	126.81670		8.4	-83.5	31.2	C.89033	0.840	-91.5	68.0	38.5	32.9	28.4	3.53987	
6 -10.920 -20.294	124.94032	-56.9	8.0	-83.6	31.5			-91.4					4.00205	
7 -10.807 -20.312	123.88609	-59.2	7.9	-82.B	31.1	C.86977	0.862	-89.6	67.9	40.1	30.5	27.0	3.48264	6- 7
JULY 31,1964 13 HR		5FC 455			TAB NO	136	ATL	AS PHOT	0 NO	136		POD S	SEQUENCE N	0 925
JULY 31,1904 17 HK	25 FIN 3	366 499	113											
TRAJECTORY DATA				45	.344	ALT 105.8441	3 -9.	T 1 954 -22	ON 2.070	18	K 41.299	v 2.552	PTH -65.120	AZ 115.021
PHOTC DATA PT LAT LON		11616											SCALE	PT-PT
PT LAT LON	RANGE	AZS/C	AZN	-83.1	AZA	Α•	B/A	AZPHAZ -90.5	INCO	PHAZ	EMIS	ALPHA	O. SCALE	
2 -10.856 -20.243 3 -10.804 -20.316				-82.8				-89.6					2.6861	
4 -10.801 -20.186	123.47645			-82.7		C.86688	0.848	-89.6	68.0	38.5	32.0	28.7	3.8889	
5 -10.915 -20.167	124.54399	-58.4	8.4	-#3.5	31.2	0.87438	0.840	-91.5	68.0	38.5	32.9	28.4	3.4763	
6 -10.915 -20.299	122.70169		8.0	-83.6	31.5	.0.86142	0.854	-91.4	67.5	40.1	.31.4	. 26. 7.	3.9301	1_56
7 -10.804 -20.316	121.66658	-59.2	7.9	-82.8	31.1									
					TAB NO	137	ATL	AS PHOT	0 NO	137		POD S	SEQUENCE N	10 926
JULY 31,1964 13 HR	. 25 MIN 4	SEC 295	MS											
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LA	T (	LCN		R	V		. A Z
PHOTE: DATA				44	.504	103.8991	:5 -9.	965 -2	2.044	18	34.354	2.553	-65.103	115.017

PT LAT	LCN	RANGE	AZS/C	ΔZN	AZSUN	AZA	Α.	6/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT~PT
2 -10.852	-20.249	120.78935	-58.8	8.2	-83.1	31.2	0.84818	0.851	-90.5	67.9	39.3 31.7	27.7	0.	1- 2
3 -10.801	-20.321	119.44601	-59.2	7.9	-82.8	31.1	0.83860	0.862	-89.6	67.9	40.1 30.5	27.0	2.63705	
4 -10.798	-20.193	121.22244	-60.6	8.3	-82.7	30.9	0.85105	0.848	-89.6	68.0	38.5 32.0	28.7	3.81774	
5 -10.910	-20.174	122.27024	-58.4	8.4	-83.5	31.2	0.85841	C.84C	-91.5	68.0	38.5 32.9	28.4	3.41282	
6 -10.910	-20.304	120.46198	-56.9	8.0	-83.6	31.5	C.84569	C.854	-91.4	67.9	40.1 31.4	26.7	3.85817	
7 -10.801	-20.321	119.44601	-59.2	7.9	-82.B	31.1	0.83860	0.862	-89.6	67.9	40.1 30.5	27.0	3.35760	6- 7
						TAB NO	138	ATLA	AS PHOTO	NO	138	POD S	SEQUENCE N	0 927
JULY 31,19														
31,17	64 13 116	12 FJ . 2.	366 100	r.s										
TRAJECTOR		22 FJN 122			SEC TO	LMPACT	AL T	LAT	L		R	······	PTH	AZ
					SEC TO	IMPACT	ALT 101.95351		LC				PTH -65.086 I	
	Y DATA				SEC TO				77 -22.	018	1837.409	2.554	-65.086 1	15.012
TRAJECTOR	Y DATA				SEC TO 43.	664	1C1.95351 A*	-9.9 B/A	377 -22. Azphaz	O18	1837.409 PHAZ EMIS	2.554 ALPHA	-65.086 I	15.012 PT-PT
TRAJECTOR	Y DATA			AZN	SEC TO 43.	.664 AZA	1C1.95351 A# C.83241	-9.9 B/A 0.851	077 -22. AZPHAZ 90.5	018 INCD 67.9	1837-409 PHAZ EMIS 39.3 31.7	2.554 ALPHA	-65.086 1 SCALE 0.	15.012 PT-PT 1- 2
TRAJECTOR PHOTO DAT PT LAT	Y DATA A LCN	RANGE	AZS/C	AZN	SEC TO 43.	AZA 31.2	1C1.95351 A# C.83241	-9.9 B/A 0.851	077 -22. AZPHAZ 90.5	018 INCD 67.9	1837.409 PHAZ EMIS	2.554 ALPHA	-65.086 I SCALE 0. 2.58779	PT-PT 1- 2 2- 3
TRAJECTOR PHOTO DAT PT LAT 2 -10.848	Y DATA A LCN -20.255	RANGE 118.54220	AZS/C	AZN B.2	SEC TO 43.	AZA 31.2	1C1.95351 A# C.83241	-9.9 B/A 0.851 0.862	AZPHAZ -90.5 -89.6 -89.6	INCD 67.9 67.9 68.0	1837.409 PHAZ EMIS 39.3 31.7 40.1 30.5 38.5 32.0	2.554 ALPHA 27.7 27.0 28.7	-65.086 1 SCALE 0. 2.58779 3.74654	PT-PT 1- 2 2- 3 3- 4
TRAJECTOR PHOTO DAT PT LAT 2 -10.848 3 -10.798	Y DATA  A  LCN -20.255 -20.325	RANGE 118.54220 117.22412	AZS/C -58.8 -59.2	AZN 8.2 7.9	SEC TO 43. AZ SUN -83.1 -82.8	AZA 31.2 31.1 30.9	1C1.95351 A* C.83241 C.823C0	-9.9 B/A 0.851 0.862 0.848	AZPHAZ -90.5 -89.6 -89.6 -91.5	INCD 67.9 67.9 68.0 68.0	1837.409 PHAZ EMIS 39.3 31.7 40.1 30.5 38.5 32.0 38.5 32.9	2.554 ALPHA 27.7 27.0 28.7 28.4	-65.086 1 SCALE 0. 2.58779 3.74654 3.34930	PT-PT 1- 2 2- 3 3- 4 4- 5
TRAJECTOR PHOTO DAT PT LAT 2 -10.848 3 -10.798 4 -10.795	Y DATA  A LCN -20.255 -20.325 -20.200	RANGE 118.54220 117.22412 118.96711	AZS/C -58_R -59-2 -60-6	AZN 8.2 7.9 8.3	SEC TO 43. AZSUN -83.1 -82.8 -82.7 -83.5	AZA 31.2 31.1 30.9 31.2	101.95351 A* C.83241 C.82300 C.83522	-9.9 B/A 0.851 0.862 0.848 0.840	AZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4	INCD 67.9 67.9 68.0 68.0	1837.409 PHAZ EMIS 39.3 31.7 40.1 30.5 38.5 32.0 38.5 32.9 4C.1 31.4	2.554 ALPHA 27.7 27.0 28.7	-65.086 1 SCALE 0. 2.58779 3.74654	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6

			RA-VII CAMERA	4 P2			24
			TAB NO	139	ATLAS PHOTO	NO 139	POD SEQUENCE NO 928
JULY 31,1964 13 HR	25 MIN 5 SEC 975	MS					•
TRAJECTORY DATA		s	EC TO IMPACT		LAT LC	N R	V PTH . AZ
PHUTO DATA			42.824	100.00737	-9.989 -21.	992 1835.463	2.556 -65.069 115.007
PT LAT LCN 2 -10.844 -20.261	RANGE AZS/C		AZSUN AZA -83.1 31.2	A* C.81662	B/A AZPHAZ	INCD PHAZ EMIS 67.9 39.3 31.7	
3 -10.795 -20.33C	115.00113 -59.2	7.9	-82.8 31.1 -82.7 30.9	C.80740	C.862 -89.6	67.9 40.1 30.5	26.9 2.53856 2- 3
4 -10.793 -20.207 5 -10.900 -20.189	116.71068 -60.6 117.71896 -58.4	8.3 8.4	-82.7 30.9 -83.5 31.2	C.81938	0.848 -89.6	68.0 38.5 32.0 68.0 38.5 32.8	28.7 3.67529 3-4
6 -10.900 -20.314	115.97884 -56.9	8.0	-83.6 31.5	C.81422.	G-854 -91-4	67.9 40.1 31.4	26-7 3-71417 5- 6
7 -10.795 -20.330	115.00113 -59.2	7.9	-82.8 3i.1	C.80740	0.862 -89.6	67.9 40.1 30.5	26.9 3.23256 6- 7
JULY 31,1964 13 HR	25 MAIL 4 555 015		TAB NO	140	ATLAS PHOTO	NO 140	POD SEQUENCE NO 929
TRAJECTORY DATA		S	EL IO IMPACI 41.984	ALI 98.06050	-10.CG1 -21.	N R R R R R R R R R R R R R R R R R R R	2.557 -65.053 115.002
PHOTO DATA PT LAT LON	DANCE AZEZO	AZN		A •		INCO PHAZ EMIS	
2 -10.840 -20.267	114.04429 -58.8	8.2	-83.1 31.2		C.851 -90.5	67.9 39.3 31.6	27.7 0. 1 2
2 1001//2 2003/	115011017 7705	( • 7	-82.8 31.1	C.79178	C.862 -89.6	67.9 40.1 30.5	26.9 2.48933 2-3
5 -10.895 -20.196	114.45285 -60.6 115.44138 -58.4		-83.5 31.2	C.8C352 C.81047	0.84C -91.5	68.0 38.5 32.0 68.0 38.5 32.8	28.7 3.60403 3- 4 28.4 3.22205 4- 5
6 -10.895 -20.319	113.73532 -56.9	8.0	-83.6 31.4	C.79847	0.854 -91.4	67.9 40.1 31.4	26.7 3.64213 5-6
7 -10.792 -20.335	112.77675 -59.2	7.9	-82.8 31.1	C.79178		67.9 40.1 30.5	
JULY 31:1964 13 HR	25 MIN 7 SEC 455	, w.c	TAB NO	141	ATI AS PHOTO	NO 141	POD SEQUENCE NO 930
	.27 (34 ) I_3EE 052			ALT			
TRAJECTORY DATA		5	FC TO IMPACT 41.145		LAT LG -10.013 -21.	N R 940 1831.569	V PTh AZ 2.558 -65.036 114.998
PHOTO DATA PT LAT LEN	RANGE AZS/C	AZN	AZSUN AZA	Δ.	B/A A7DHA7	INCO PHAZ EMIS	
2 -10.836 -20.273	111.79374 -58.8	8.2	-83.1. 31.2	. 0.78502	0.851 -90.5	67.9.39.3.31.6	27.7 0. 1- 2
3 -10.789 -20.339	110.55147 -59.2 112.19414 -60.6	7.9	-82.8 31.1 -82.7 30.9	0.77616	0.862 -89.6	67.9 40.1 30.5	26.9 2.44014 2- 3
	113,16289 -58,4	8.4	-83-5 31.2	0.78767 C.79447		68.0 38.5 32.0 68.0 38.5 32.8	28.7 3.53274 3- 4 28.4 3.15832 4- 5
6 -10.890 -20.324	111.49092 +56.9 110.55147 -59.2	8.0	-83.6 31.4 -82.8 31.1	C.78271	0.854 -91.4	67.9 40.1 31.4	26.7 3.57007 5- 6
7 -10-104 -20-334	110.55147 -59.2	7.9					26.9 3.10730 6- 7
JULY 31,1964 13 HR	25 MIN & SEC 495	MS	TAB NO	142	ATLAS PHOTO	NO 142	POD SEQUENCE NO 931
TRAJECTORY DATA		2	EG TO IFFACT				V PTH: AZ
PHOTO DATA			40.305		-10.C25 -21.	914 1829.621	2.559 -65.019 114.993
PT LAT LON 2 -10.832 -20.279	RANGE AZS/C 169.54160 -58.8	AZN	AZSUN AZA	Α	B/A AZPHAZ	INCD PHAZ EMIS	ALPHA SCALE PT-PT
3 -10.786 -20.344	108.32460 -59.2	7.9	-83.1 31.2 -62.6 31.1	C.76920 C.76052	0.862 -89.6	67.9 39.3 31.6 67.8 40.1 30.5	27.7 0. 1-2 26.9 2.39081 2-3
4 -10.784 -20.227	109.93380 -60.6	8.3	-82.7 30.9	0.77180	0.848 -89.6	68.0 38.5 32.0	28.7 3.46140 3-4
	110.88279 -58.4 109.24490 -56.9	8.4	-83.5 31.2	C.77847		68.C 38.5 32.8 67.9.40.1 31.4	28.4 3.09470 4-5 26.7 3.49795 5-6
7 -10.786 -20.344	108.32460 -59.2	7.9	-82.8 31.1	C.76052	C.862 -89.6	67.8 40.1 30.5	26.9 3.04463 6- 7
			TAB NO	143	ATLAS PHOTO	NO 143	POD SEQUENCE NO 932
JULY 31,1964 13 HR	25 MIN 9 SEC 335	MS					
TRAJECTORY DATA		S	EC TO IMPACT 39.465	ALT 92.21686	LAT LC -10.037 -21.		V PTH AZ 2.560 -65.002 114.988
PHOTO DATA PT LAT LON	RANGE A7570	A 7 M	AZSUN AZA	Δ.	6/A ALPHAL	THES SHIP SOUL	AT PHA SCALE PT-PT
2 -10.828 -20.285	107.28854 -58.8	8.2	-83.1 31.2	C.75338	C.851 -9C.5	67.9 39.3 31.6	27.7 0. 1-2
3 -10.783 -20.348	106.09683 -59.2		-82.8 31.1	C.74488	C.862 -89.6	67.8 40.1 30.5	26.9 2.34153 2-3
5 -10.880 -20.218	107.67257 -60.6 108.66179 -58.4		-82.7 30.9 -83.5 31.2	C.75592 C.76245	0.848 -89.6 C.841 -91.5	68.0 38.5 32.0 68.0 38.5 32.8	28.7 3.39004 3- 4 28.4 3.03086 4- 5
6 -10.880 -20.333	106.99800 -56.9	8.0	-83.6 31.4	C.75117	0.854 -91.4	67.9 40.1 31.4	26.7 3.42582 5- 6
7 -10.783 -20.348	106.09683 -59.2	7.9	-82.8 31.1	C.74488	C.662 -89.6		26.9 2.98205 6- 7
JULY 31,1964 13 HR	25 MIN 10 SEC 175	MS	TAB NO	144	ATLAS PHOTO	NO 144	POD SEQUENCE NO 933
TRAJECTORY DATA			EC TO IMPACT	ALT	LAT LC	N R	V PTH AZ
PHOTO DATA			38.625	90.26761	-10.049 -21.	862 1825.723	2.561 -64.984 114.983
PT LAT LUN	RANGE AZS/C	AZN	AZSUN AZA	Α•	B/A AZPHAZ	INCO PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.824 -20.290 3 -10.780 -20.353	103.86748 -59.2	7.9	-83.1 31.2 -82.8 31.1	C.73755 C.72923	0.852 -90.5 0.862 -89.6	67.9 39.3 31.6 67.8 40.1 30.5	27.7 0. 1- 2 26.9 2.29223 2- 3
4 -10.778 -20.242	105.40975 -60.6	8.3	-82.7 30.9 -83.5 31.2	0.74004	0.848 -89.6	67.9 38.5 32.0	28.7 3.31865 3~ 4
5 -10.874 -20.226 6 -10.875 -20.338	106.31920 -58.4	8.4	-83.5 31.2 -83.6 31.4	C.74643 C.73539	0.841 -91.5	68.C 38.5 32.8 67.9 40.1 31.4	28.4 2.96713 4- 5
7 -10.780 -20.353	103.86748 -59.2		-82.8 31.1			67.8 40.1 30.5	26.9 2.91927 6- 7

	RA-VII CAMERA	1 P2 25_
JULY 31,1964 13 HR 25 MIN 11 SEC _ 15_MS _	TAB NO	145 ATLAS PHOTO NO 145 POD SEQUENCE NO 934
TRAJECTORY DATA		
	37.785	88.31812 -10.061 -21.835 1823.773 2.562 -64.967 114.978
PHOTO DATA  PT 1 AT LON RANGE AZS/C AZN	AZ SUN AZ A	A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.72171 C.852 -90.5 67.9 39.3 31.6 27.7 0. 1-2 C.71357 0.862 -89.6 67.8 40.1 30.5 26.9 2.24286 2-3 C.72415 0.888 -89.6 67.9 38.5 32.0 28.6 3.24720 3-4 C.73640 0.841 -91.5 68.0 38.5 32.2 82.4 2.90321 4-5 C.71959 0.854 -91.4 67.9 40.1 31.3 26.7 3.28144 5-6
2 -10.820 -20.297 102.77849 -58.8 8.2	-83.1 31.2	0.72171 0.852 -90.5 67.9 39.3 31.6 27.7 0. 1- 2 0.71357 0.862 -89.6 67.8 40.1 30.5 26.9 2.24286 2- 3
3 -10.777 -20.358 101.63734 -59.2 7.9	-82.8 31.1	C.71357 0.862 -89.6 67.8 4C.1 30.5 26.9 2.24286 2-3
4 -10.775 -20.249 103.14615 -60.6 8.3	-82.7 30.9	0.72415 0.848 -89.6 67.9 38.5 32.0 28.6 3.24720 3- 4 0.73040 0.841 -91.5 68.0 38.5 32.8 28.4 2.90321 4- 5
5 -10.869 -20.233 104.03583 -58.4 8.4 6 -10.870 -20.343 102.50022 -56.9 8.0	-83.5 31.4	0.73040 0.841 -91.5 68.0 38.5 32.8 26.4 2.70321 7
7 -10.777 -20.358 101.63734 -59.2 7.9	-82.8 31.1	0.71357 0.862 -89.6 67.8 40.1 30.5 26.9 2.85649 6- 7
••••		
41 44.1 14.00 55 141 11 556 055 145	TAB NO	146 ATLAS PHOTO NO 146 POD SEQUENCE NO 935
JULY 31,1964 13 HR 25 MIN 11 SEC 855 MS		
TRAJECTURY DATA	SEC TO 1MPACT 36.945	ALT LAI LCN R V PIH AZ 66.36772 -10.073 -21.809 1821.823 2.563 -64.950 114.973
PHOTO DATA		A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.70586 0.852 -90.5 67.9 39.3 31.6 27.7 0. 1-2 0.69750 0.862 -89.6 67.8 40.1 30.5 26.9 2.19348 2-3 0.70824 0.849 -89.6 67.8 40.1 30.5 26.9 2.19348 2-3 0.71435 0.841 -91.5 68.6 38.5 32.8 28.4 2.83948 4-5 0.70379 0.854 -91.4 67.8 40.1 31.3 26.7 3.20920 5-6
PT LAT LON RANGE, AZS/C AZN	AZSUN AZA	C.70586 0.852 -90.5 67.9 39.3 31.6 27.7 0. 1- 2
3 -10.774 -20.362 99.40558 -59.2 7.9	-H2.8 31.1	C.70586 0.852 -90.5 67.9 39.3 31.6 27.7 0. 1-2 0.69750 0.862 -89.6 67.8 40.1 30.5 26.9 2.19348 2-3
4 -10-772 -20-256 100-88092 -60-6 8-3	-82.7 40.9	C. 70824 0.849 -89.6 67.9 38.5 32.0 28.6 3.17576 3-4
5 -10.864 -20.240 101.75084 -58.4 8.4	-83.5 31.2	0.71435 0.841 -91.5 68.C 38.5 32.8 28.4 2.83948 4-5 C.70379 C.854 -91.4 67.8 40.1 31.3 26.7 3.20920 5-6
6 -10.865 -20.348 100.24931 -56.9 8.0	-83.6 31.4 -82.8 31.1	C.70379 C.854 -91.4 67.8 40.1 31.3 26.7 3.20920 5-6 0.69790 0.862 -89.6 67.8 40.1 30.5 26.9 2.79371 6-7
7 -10.774 -20.362 99.40558 -59.2 7.9	-82.8 31.1	
	TAB NO	
JULY 31,1964 13 HR 25.MIN 12.SEC 695 MS		
TRAJECTORY DATA	SEC TO IMPACT 36.105	ALT LAT LCN R V PTH AZ 84.41689 -10.086 -21.783 1819.872 2.564 -64.933 114.968
PHOTO DATA		A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 1-2 0.69901 0.852 -90.5 .67.9 39.3 31.6 .27.7 0. 1-2 0.68223 0.862 -89.6 .67.8 .40.1 30.5 26.9 2.14415 2-3 0.6923 0.841 -91.5 .67.9 38.5 32.0 28.0 3.10427 3-4 0.69830 0.841 -91.5 .67.9 38.5 32.8 28.4 2.77565 4-5 0.68798 0.854 -91.4 .67.8 .40.1 31.3 26.6 3.13694 5-6 0.48223 0.842 -91.4 .67.8 .40.1 31.3 26.6 3.13694 5-6 0.48223 0.842 -91.4 .67.8 .40.1 31.5 26.9 2.73092 6-7
PT LAT LCN RANGE AZS/C AZP	1 AZŞUN AZA	0.69001 0.852 -90.5 67.9 39.3 31.6 27.7 0. 1-2
3 -10-771 -20-367 97-17276 -59-2 7-9	-82.8 31.1	0.68223 0.862 -89.6 67.8 40.1 30.5 26.9 2.14415 2- 3
4 -10.769 -20.263 98.61463 -60.6 8.3	-82.7 30.9	C.69233 C.849 -89.6 67.9 38.5 32.0 28.6 3.10427 3- 4
5 -10.859 -20.248 99.46478 -58.4 8.4	-83.5 31.2	C.69830 O.841 -91.5 67.9 38.5 32.8 28.4 2.77565 4-5 O.68798 O.854 -91.4 67.8 40.1 31.3 26.6 3.13694 5-6
6 -10.860 -20.353 97.99735 -56.9 8.0	-83.6 31.4 -82.8 31.1	0.68798 0.854 -91.4 67.8 40.1 31.3 26.6 3.13694 5- 6 C.68223 0.862 -89.6 67.8 40.1 30.5 26.9 2.73092 6- 7
7 - 10 - 111 - 20 - 30 1 - 31 - 112 10 - 39 - 2 1 - 3	-02.0 31.1	C.68553 (1805 -0)10 (180 4011 301) EDIT
	TAB NO	148 ATLAS PHOTO NO 148 POD SEQUENCE NO 937
JULY 31,1964 13 HR 25 MIN 13 SEC 535 MS		
TRAJECTORY DATA	SEC TO IMPACT 35.265	ALT LAT LON R V PTH AZ 82.46544 -10.698 -21.756 1817.921 2.566 -64.916 114.963
PHOTO DATA PT LAT LON RANGE AZS/C AZI 2 -10.808 -20.315 96.00394 -58.8 8.3 -10.768 -20.372 94.93869 -59.2 7.4 4 -10.766 -20.270 96.34707 -60.6 8.5 -10.854 -20.255 97.17145 -58.4 8.4		THE ATOMAT THE DUAL CHES ALONA SCALE OF DE
PT LAT LON RANGE AZS/C AZI	AZSUN AZA	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.808 -20.315 90.00394 -58.8 8.6	2 -03-1 31-2	C.67414 0.852 -90.5 67.9 39.3 31.6 27.7 0. 1-2 C.66654 0.862 -89.6 67.8 40.1 30.5 26.9 2.09466 2-3
4 =10.766 =20.372 34.73607 =57.2 76	-82-7 30-9	C.67414 0.852 -90.5 67.9 39.3 31.6 27.7 0. 1- 2 C.66654 0.862 -89.6 67.8 40.1 30.5 26.9 2.09466 2- 3 O.67641 0.849 - 89.6 67.9 38.5 32.0 28.6 3.03273 3- 4
4 -10.766 -20.270 96.34707 -60.6 8. 5 -10.854 -20.255 97.17745 -58.4 8.	2 -83.1 31.2 9 -82.8 31.1 3 -82.7 30.9 -83.5 31.2	0.68225 0.841 -91.5 67.9 38.5 32.8 28.4 2.71171 4- 5
6 -10.855 -20.358 95.74411 -56.9 Bal	63.6 _31.4_	0.6654 C.862 -89.6 67.8 40.1 31.3 26.6 3.06463 5-6 0.66654 C.862 -89.6 67.8 40.1 30.5 26.9 2.66804 6-7
7 -10.768 -20.372 94.93869 -59.2 7.9	7 -82.8 31.1	
	TAB NO	149 ATLAS PHOTO NO 149 POD SEQUENCE NO 938
JULY 31,1964 13 HR 25 MIN 14 SEC 374 MS		
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT ION R V PTH AZ
PHOTO DATA	34.425	ALT LAT LCN R V PTH AZ 80.51358 -10.110 -21.730 1815.969 2.567 -64.899 114.959
	N AZSUN AZA	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.804 -20.321 93.74326 -58.8 8.	2 -83.1 31.2	C.65827 0.852 -90.5 67.9 39.3 31.6 27.6 0. 1- 2 C.65085 0.862 -89.6 67.8 40.1 30.5 26.9 2.04523 2- 3
3 -10.765 -20.477 92.70334 -59.2 /.	9 -82.8 31.1	A* BYA AYPHAY INLD PHAY ENIS ALPHA C.65827 C.852 - 90.5 67.9 39.3 31.6 27.6 C.65085 C.862 - 89.6 67.8 40.1 30.5 26.9 2.04523 2-3 C.66648 C.849 - 89.6 67.9 38.5 31.9 28.6 2.96116 3-4 C.66618 C.841 - 91.5 67.9 38.5 32.8 28.3 2.64778 4-5
4 -10.763 -20.277 94.07821 -60.6 8. 5 -10.849 -20.263 94.88883 -58.4 8.	4 -83 5 31.2	C.66618 C.841 -91.5 67.9 38.5 32.8 28.3 2.64778 4-5
6 -10.850 -20.363 93.48961 -56.9 8.	0 -83.6 31.4	C.65634 C.854 -91.4 67.8 40.1 31.3 26.6 2.99230 5- 6
7 -10.765 -20.377 92.70334 -59.2 7.	9 -82.8 31.1	C.65624 C.854 -91.4 67.8 40.1 31.3 26.6 2.99230 5-6 C.65085 0.862 -89.6 67.8 40.1 30.5 26.9 2.60516 6-7
	740 40	
JULY 31,1964 13 HR 25 MIN 15 SEC 214 MS		
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH AZ 78.56C91 -10.122 -21.703 1814.016 2.568 -64.881 114.954
PHOTO DATA	33.585	
DT LAT LON DANCE AISIC AI	N AZSUN AZA	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.800 -20.327 41.48104 -58.8 8.	2 -83.1 31.2	C.64238 C.852 -90.5 67.9 39.3 31.6 27.6 0. 1-2 C.63514 C.862 -69.6 67.8 40.1 30.5 26.9 1.99578 2-3
3 -10.762 -20.381 90.46644 -59.2 7. 4 -10.760 -20.284 91.80778 -60.6 8. 5 -10.844 -20.270 92.59861 -58.4 8.	9 -82.8 31.1	0.63514 0.862 -89.6 67.8 40.1 30.5 26.9 1.99578 2-3 0.64454 0.6497 -89.6 67.9 38.5 31.9 28.6 2.88954 3-4 0.65010 0.841 -91.5 67.9 38.5 32.8 28.3 2.88384 4-5
9 -10.100 -20.209 91.80118 -00.6 8. 5 -10.844 -20.270 92.59861 -58.4 8	2 -02.1 3U.9 4 -83.5 31 2	0.64454 0.844 -84.6 67.9 38.5 32.8 28.3 2.58384 4-5
4 -10.760 -20.284 91.80778 -60.6 8. 5 -10.844 -20.270 92.59861 -58.4 8. 6 -10.845 -20.369 91.23355 -56.9 8.	0 -83.6 31.4	C.64050 C.854 -91.4 67.8 40.1 31.3 26.6 2.91990 5-6
7 -10.762 -20.381 90.46644 -59.2 7.	9 -82.8 31.1	C.64050 C.854 -91.4 67.8 40.1 31.3 26.6 2.91990 5-6 C.63514 C.862 -89.6 67.8 40.1 30.5 26.9 2.54227 6-7

				RA-VII	CAMERA	P2								26
JULY 31,1964 13 HR	25 MIN 16	SEC 54	MS		TAB NO	151	ATLAS	РНОТО	NO	151		POD S	EQUENCE NO	940
TRAJECTORY DATA				SEC TO	IPPACT	AL T	LAT		IN .	• • •	R	٧	PIH -64.864 1	.AZ
PHOTO DATA PT LAT LON 2 -10.796 -20.333 3 -10.758 -20.366 4 -10.757 -20.291 5 -10.839 -20.278				32.	745	16.6018	3 -10.13	4 -21.	616	18.	12.063	2.569	-64.864 1	4.949
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A =	B/A A	ZPHAZ	INCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
2 -10.796 -20.333	89.21776	-58.8	8.2	-83.1	31.2	0.62649	0.852	-90.5	67.9	39.3	31.6	27.6	0. 1.94631 2.81789	12_
3 -10.758 -20.386	88.22847	-59.2	7.9	-82.8 -82.7	31.1	0.61943 C.62860	0.862	-89.6	67.8	40.1	30.5	26.9	1.94631	2- 3
5 -10.839 -20.278	90.30737	-58.4	8.4	-83.5	30.9	0.62860	0.849	-89.0	67.9	38.5	31.9	28.0	2.51981	_ 3 6_
	88.97644			-83.6	31.4	C.62465	0.855	-91.4	67.8	40.1	31.3	26.6	2.84749	5- 6
7 -10.758 -20.386	88.22847	-59.2	7.9	-82.8	31.1	0.61943	C.862	-89.6	67.8	40.1	30.5	26.9	2.47938	6- 7
					TAB NO	150	471 40	DUATA		150				
JULY 31,1964 13 HR	25 MIN 16	SEC 804	MC		IAD NO	132	AILAS	PHUIU	NO	152		POD :	SEQUENCE N	941
		360 074	1113											
TRAJECTORY DATA				SEC TO	IMPACI	ALI	LAT_		IN.		R	Y	PTH -64.847 1	AZ
				31.	905	74.6540	1 -10.14	7 -21.	650	18	10.109	2.570	-64.847 1	14.944
PHOTO DATA PT LAT LON	DANCE	A 7 C 1 C	4 7 61	4.7.C.I.M	474		0/4 4	701147		D.1.4.7	F W 7 G			
2 -10.792 -20.339	RANGE 86.95306 85.98911	-58.8	8.2	-x3.1	31.2	0.61059	C.852	490.5	67. Q	30.3	31 A	27 A	SCALE O	1- 2
3 -10.755 -20.391	85.98911	-59.2	7.9	-82.8	31.1	C.60371	0.862	-89-6	67.8	40.1	30.4	26.9	1.89677	2- 3
4 -10.754 -20.299	87.26342	-60.6	8.3	-82.7	30.9	0.61264	0.849	-89-6	67.9	38.5	31.9	28.6	2-74674	3- 4
5 -10.834 -20.286	88.01470 86.71792	-58.4	8.4	-83.5 -83.6	31.2	0.61792	0.841	-91.5	67.9	38.5	32.7	28.3	2.45577	4- 5
6 -10.834 -20.379	86.71792	56.9	8.0	-83.6	31.4	0.60880	0.855	-91.4	67.8	40.1	31.3	26.6	2.45577 2.77503	5- 6
7 -10.735 20,391	85.98911	-59.2	7.9	-82.8	31.1	0.60371	0.862	-89.6	67.8	40.1	30.4	26.9	2.41639	6- 7
				•	TAB NO	153	ATLAS	PHOTO	NO	153		POD S	SEQUENCE NO	942
JULY 31,1964 13 HR	. 25 MIN 17	SEC 734	MS											
											_			
TRAJECTORY DATA			-	260 10	DAS	72 AGCA	LAI 5 —10 15	a _21	1 2 3 1 N	10	NO 155	. V	_PTH -64.829 1	AZ
PHOTO DATA				J	.005	12.0770	J -10.13	7 -21.	.023	10	08.133	2.511	-04.029 1.	14.757
PHUTU DATA PT LAT LON 2 -10-788 -20-345	RANGE	AZS/C	AZN	AZ SUN	AZA	A.	B/A A	ZPHAZ	INCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
2 -10.788 -20.345	84.68719	-58.8	8.2	-83.1	31.2	0.59468	0.852	-90.5	67.a	39.3	31.6	27.6	0.	1-2
3 -10.752 -20.396 4 -10.751 -20.306	83.74859	-59.2	7.9	-82.8	31.1	0.58798	C.862	-89.6	67.8	40.1	30.4	26.9	1-84720	2- 3
5 -10.829 -20.293	84.98937 85.72087	-60 • 6	8.3	-82.7 -83.5	30,9		0.849	~89.6	67.9	38.5	31.9 32.7	28.6	2.67452	3- 4
6 -10.829 -20.384	84,45821	-56.9	8.0	-83.6	31.4	0.50161	0.841 C.855	-91.5	67.8	40.1	31.3	28.3	2.39164 2.70257	4- 5
7 -10.752 -20.396	83.74859	-59.2	7.9	-83.6 -82.8	31.1	0.58758	0.862	-89.6	67.8	40.1	30.4	26.9	2.35330	6- 7
				<del></del> .	TAB NO			РНОТО				POD S	SEQUENCE NO	
JULY 31,1964 13 HR				<del></del> .								POD S	SEQUENCE NO	
	25 MIN 18	SEC 574	MS .		TAB NO	154	ATLAS	РНОТО	NO			POD S		
JULY 31,1964 13 HR	25 MIN 18	SEC 574	MS .		TAB NO	154	ATLAS	РНОТО	NO			POD S		
JULY 31,1964 13 HR	25 MIN 18	SEC 574	MS .	\$EC TO 30.	TAB NO EMPACT	154 ALT 70.7446	ATLAS LAT 6 +10.17	1 -21.	<b>NO</b> ON 596	. 180	R 06.20ū	POD S	PTH	AZ 14.934
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON	25 MIN 18	SEC 574	MS .	SEC TO 30.	IMPACT	ALT 70.7446	ATLAS	1 -21.	NO 596	18:	R 06.200	POD S	PTH	AZ 14.934
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.784 -20.352	25 MIN 18	SEC 574	MS .	SEC TO 30.	IMPACT	ALT 70.7446	ATLAS	1 -21.	NO 596	18:	R 06.200	POD S	PTH	AZ 14.934
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 4 -10.747 -20.313	25 MIN 18  RANGE 82.42007 81.50678 82.71404	AZS/C -58.8 -59.2 -60.6	MS	\$EC TO 30.	TAB NO EMPACT 225 AZA 31.2 31.1	ALT 70.7446 A* C.57876 C.57224	ATLAS  LAT 6 +10.17  B/A A  C.852 0.862	PHOTO  1 -21.  ZPHAZ -90.5 -89.6	NO .596 INCD 67.8 67.8	PHAZ 39.3 40.1	R 06.200 EMIS 31.6 30.4	POD S	PTH	AZ 14.934
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 4 -10.747 -20.313 5 -10.823 -20.301	RANGE 82.42007 81.50678 82.71404 83.42577	AZS/C -58.8 -59.2 -60.6 -58.4	MS	AZ SUN -83.1 -82.8 -82.7 -83.5	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2	ALT 70.7446 A* C.57876 0.57224 0.58670 C.58570	ATLAS  LAT 6 +10.17  B/A A C.852 0.862 C.849 0.841	ZPHAZ -90.5 -89.6 -89.6 +91.5	NO 596 INCD 67.8 67.8 67.9	PHAZ 39.3 40.1 38.5 38.5	R 06.200 EMIS 31.6 30.4 31.9	POD S 2.572 ALPHA 27.6 26.9 28.6 28.3	PTH -64.812 1 SCALE 0. 1.79770 2.60278 2.32760	PT-PT 1-2 2-3 3-4 4-5
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 5 -10.824 -20.389	RANGE 82.42007 81.50678 82.71404 83.42577 82.19724	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9	MS	AZ SUN -83.1 -82.8 -82.7 -83.5	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2	ALT 70.7446 A* C.57876 0.57224 0.58670 C.58570	ATLAS  LAT 6 +10.17  B/A A C.852 0.862 C.849 0.841	ZPHAZ -90.5 -89.6 -89.6 +91.5	NO 596 INCD 67.8 67.8 67.9	PHAZ 39.3 40.1 38.5 38.5	R 06.200 EMIS 31.6 30.4 31.9	POD S 2.572 ALPHA 27.6 26.9 28.6 28.3	PTH -64.812 1 SCALE 0. 1.79770 2.60278 2.32760 2.63005	PT-PT 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 4 -10.747 -20.313 5 -10.823 -20.301	RANGE 82.42007 81.50678 82.71404 83.42577	AZS/C -58.8 -59.2 -60.6 -58.4	AZN 8-1 7-9 8-3 8-4 8-0	SEC TO 30. AZSUN -83.1 -82.8 -62.7 -83.5 -83.6	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1	ALT 70.7446. A* C.57876 0.57224 0.58570 C.58570 C.27766 0.57724	ATLAS  LAT 6 +10.17  B/A A C.852 0.862 C.849 0.841	ZPHAZ -90.5 -89.6 -89.6 +91.5	NO 596 INCD 67.8 67.8 67.9	PHAZ 39.3 40.1 38.5 38.5	R 06.200 EMIS 31.6 30.4 31.9	POD S 2.572 ALPHA 27.6 26.9 28.6 28.3	PTH -64.812 1 SCALE 0. 1.79770 2.60278 2.32760	PT-PT 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.784 -20.352 3 -10.789 -20.401 4 -10.747 -20.313 5 -10.823 -20.301 6 -10.824 -20.389 7 -10.749 -20.401	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2	AZN 8.1 7.9 8.3 8.4 8.0	SEC TO 30. AZSUN -83.1 -82.8 -62.7 -83.5 -83.6	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1	ALT 70.7446. A* C.57876 0.57224 0.58570 C.58570 C.27766 0.57724	ATLAS 6 +10.17 8/A A C.852 0.862 0.849 0.841 0.855 0.862	ZPHAZ -90.5 -89.6 -89.6 +91.5	NO 1NCD 67.8 67.8 67.9 67.9	PHAZ 39.3 40.1 38.5 38.5 40.1 40.1	R 06.200 EMIS 31.6 30.4 31.9 32.7 31.3	POD S 2.572 ALPHA 27.6 26.9 28.6 28.3 26.6	PTH -64-812 1 SCALE 0	PT-PT 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 5 -10.824 -20.389	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2	AZN 8.1 7.9 8.3 8.4 8.0	AZ SUN -83.1 -82.8 -82.7 -83.5	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1	ALT 70.7446. A* C.57876 0.57224 0.58570 C.58570 C.27766 0.57724	ATLAS 6 +10.17 8/A A C.852 0.862 0.849 0.841 0.855 0.862	2PHAZ -90.5 -89.6 -89.6 -91.5 -91.4	NO 596 INCD 67.8 67.9 67.9 67.8	PHAZ 39.3 40.1 38.5 38.5 40.1 40.1	R 06.200 EMIS 31.6 30.4 31.9 32.7 31.3	POD S 2.572 ALPHA 27.6 26.9 28.6 28.3 26.6	PTH -64.812 1 SCALE 0. 1.79770 2.60278 2.32760 2.63005	PT-PT 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 4 -10.747 -20.313 5 -10.823 -20.301 6 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2	AZN 8.1 7.9 8.3 8.4 7.9	SFC TO 30. AZ SUN -83.1 -82.8 -62.7 -83.5 -83.6	TAB NO  EMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO	ALT 70.7446 A* C.57876 0.57224 0.58570 C.27766 0.57224	ATLAS  LAT 6 +10.17  8/A C.852 0.862 0.862 0.841 0.855 0.862 ATLAS	ZPHAZ -90.5 -89.6 -91.5 -91.4 -89.6	NO 596 INCD 67.8 67.8 67.9 67.9 67.8 NO	PHAZ 39.3 40.1 38.5 38.5 40.1 40.1	R 06.200 EMIS 31.6 30.4 31.9 32.7 31.3 30.4	POD S 2.572 ALPHA 27.6 26.9 28.6 28.3 26.6 POD S	PTH -64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021	PT-PT 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.784 -20.352 5 -10.823 -20.301 6 -10.824 -20.382 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 SEC 414	AZN 8.1 7.9 8.3 8.4 8.0 7.9	SEC TO 300  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.8	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO	ALT 70.7446 C.57876 0.57224 0.58570 C.58570 C.57726 0.57224	ATLAS  LAT 6 +10.17  8/A C.852 0.862 0.862 0.841 0.855 0.862 ATLAS	ZPHAZ -90.5 -89.6 -91.5 -91.4 -89.6	NO 596 INCD 67.8 67.8 67.9 67.9 67.8 NO	PHAZ 39.3 40.1 38.5 38.5 40.1 40.1	R 06.200 EMIS 31.6 30.4 31.9 32.7 31.3 30.4	POD S 2.572 ALPHA 27.6 26.9 28.6 28.3 26.6 POD S	PTH -64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021	PT-PT 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.784 -20.352 5 -10.823 -20.301 6 -10.824 -20.382 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 SEC 414	AZN 8.1 7.9 8.3 8.4 8.0 7.9	SEC TO 300  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.8	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO	ALT 70.7446 C.57876 0.57224 0.58570 C.58570 C.57726 0.57224	ATLAS  LAT 6 +10.17  8/A C.852 0.862 0.862 0.841 0.855 0.862 ATLAS	ZPHAZ -90.5 -89.6 -91.5 -91.4 -89.6	NO 596 INCD 67.8 67.8 67.9 67.9 67.8 NO	PHAZ 39.3 40.1 38.5 38.5 40.1 40.1	R 06.200 EMIS 31.6 30.4 31.9 32.7 31.3 30.4	POD S 2.572 ALPHA 27.6 26.9 28.6 28.3 26.6 POD S	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021 SEQUENCE NO	PT-PT 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.784 -20.352 5 -10.823 -20.301 6 -10.824 -20.382 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 SEC 414	AZN 8.1 7.9 8.3 8.4 8.0 7.9	SEC TO 300  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.8	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO	ALT 70.7446 C.57876 0.57224 0.58570 C.58570 C.57726 0.57224	ATLAS  LAT 6 +10-17  B/A A C.852	ZPHAZ -90.5 -89.6 -91.5 -91.4 -89.6 -91.5 -91.4 -89.6	NO .596 INCD 67.8 67.9 67.9 67.8 NO	PHAZ 39.3 40.1 38.5 38.5 40.1 40.1 155	R 06.200 EMIS 31.6 30.4 31.9 32.7 31.3 30.4	POD S V 2.572 ALPHA 27.6 26.9 28.6 26.9 POD S V 2.574	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021 SEQUENCE NO	AZ 14.934 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 ) 944
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.784 -20.352 5 -10.823 -20.301 6 -10.824 -20.382 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 SEC 414	AZN 8.1 7.9 8.3 8.4 8.0 7.9	SEC TO 300  AZ SUN -83.1 -82.8 -82.7 -83.5 -83.6 -82.8	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO	ALT 70.7446 C.57876 0.57224 0.58570 C.58570 C.57726 0.57224	ATLAS  LAT 6 +10-17  B/A A C.852	ZPHAZ -90.5 -89.6 -91.5 -91.4 -89.6 -91.5 -91.4 -89.6	NO .596 INCD 67.8 67.9 67.9 67.8 NO	PHAZ 39.3 40.1 38.5 38.5 40.1 40.1 155	R 06.200 EMIS 31.6 30.4 31.9 32.7 31.3 30.4	POD S V 2.572 ALPHA 27.6 26.9 28.6 26.9 POD S V 2.574	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021 SEQUENCE NO	AZ 14.934 PT-PT 1-2 2-3 3-4-5 5-6 6-7 ) 944 AZ 14.929 PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 5 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.780 -20.369 3 -10.746 -20.406	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 SEC 414	AZN 8-1 7-9 8-3 8-4 8-0 7-9 MS	AZ SUN -83.1 -82.8 -92.7 -83.5 -82.8 SEC TO 29.  AZ SUN -83.1 -82.8 -82.8 -82.8 -82.8 -82.8	AZA 31.2 31.1 30.9 31.2 31.1 7AB NO	ALT 70.7446 C.57876 0.57224 0.58570 C.58570 C.57726 0.57224 155 ALT 68.7892	ATLAS  LAT 6 -10-17  B/A A C.852	ZPHAZ -90.5 -89.6 -89.6 -91.5 -91.5 -91.5 -91.4 -89.6 ZPHAZ -90.4	NO 1NC D 67-8 67-8 67-9 67-8 67-8 NO	186 9-33 40-1 38-5 38-5 40-1 155	R 06.200 EMIS 31.6 30.4 31.7 31.3 30.4 R 04.244	POD S V 2.572 ALPHA 27.6 26.9 28.6 26.9 POD S V 2.574 ALPHA 27.6 26.9 28.3 26.6 26.9	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.43005 2.29021 SEQUENCE NO. PTH64.794 1  SCALE 0. 1.74810	AZ 14.934 PT-PT 1-2 2-3 3-4 4-5 5-6-7 944 AZ 14.929 PT-PT 1-2 2-3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 6 -10.824 -20.382 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.780 -20.358 3 -10.746 -20.406 4 -10.744 -20.306	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764	AZS/C -58.8 -59.2 -60.6 -58.4 -58.4 -59.2 SEC 414 AZS/C -88.8 -59.2 -60.6	AZN 8.1 7.9 8.3 8.4 8.0 7.9 MS	SEC TO 30.  AZ SUN -83.1 -82.8 -62.7 -83.6 -82.8  SEC TO 29.  AZ SUN -83.1 -82.7 -83.7 -82.7 -82.7 -82.7 -82.7	AZA 31.2 31.1 30.9 31.2 31.1 31.1 TAB NO	ALT 70.7446 A. C.57876 0.57224 0.58670 C.58570 C.57224 155 ALT 68.7892 A. C.56283 C.556492 C.56472	ATLAS  LAT 6 -10-17  B/A A C.852 0.862 0.849 0.841 0.855 0.862  ATLAS  LAT C -10-18  B/A A C.852 0.862 0.862 0.862 0.862	2PHAZ -90.5 -89.6 -89.6 -89.6 -91.5 -91.5 -91.5 -91.4 -89.6 2PHOTO	NO INC D 67.8 67.8 67.9 67.9 67.8 NO NO INC D 67.8 67.8 67.8	186 PHAZ 39-3 40-1 38-5 38-5 40-1 155 186 59-3 40-1 39-3	R 06-200 31-6 30-4 31-9 32-7 31-3 30-4 R 04-244	POD S  V 2.572  ALPHA 27.6 26.9 28.3 26.6 26.9 POD S  V 2.574 ALDHA 27.6 26.9	PTH	AZ AZ AZ AZ AZ AZ AZ AZ AZ AZ
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 5 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.780 -20.358 3 -10.746 -20.406 4 -10.744 -20.320 5 -10.818 -20.330	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764 81.12958	AZS/C -58.8 -59.2 -60.6 -56.9 -59.2 SEC 414 AZS/C -88.8 -59.2 -60.6 -58.4 -59.8	AZN 8.17.98.38.448.07.9	SEC TO 29.  AZ SUN -83.1 -82.8  SEC TO 29.  AZ SUN -83.1 -82.7 -82.7 -82.7	TAB NO  IMPACT 225  AZA 31.1 30.9 31.4 31.1 TAB NO  IMPACT 385  AZA 31.2 31.1 30.9 31.2 31.1 30.9 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	154  ALT 70.7446  C.57876 0.57224 0.58570 C.58570 C.57726 0.57224 155  ALT 68.7892  A= C.56283 C.55649 C.564958	ATLAS  LAT 6 -10.17  B/A C.852 C.849 0.862 C.849 0.855 O.862 ATLAS  LAT C -10.18  B/A A C.852 C.862 0.8641	2PHAZ -90.5 -89.6 -89.6 -89.6 -91.5 -91.5 -91.5 -91.4 -89.6 2PHOTO	NO INC D 67.8 67.8 67.9 67.9 67.8 NO NO INC D 67.8 67.8 67.8	186 PHAZ 39-3 40-1 38-5 38-5 40-1 155 186 59-3 40-1 39-3	R 06-200 31-6 30-4 31-9 32-7 31-3 30-4 R 04-244	POD S  V 2.572  ALPHA 27.6 26.9 28.3 26.6 26.9 POD S  V 2.574 ALDHA 27.6 26.9	PTH	AZ AZ AZ AZ AZ AZ AZ AZ AZ AZ
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 6 -10.824 -20.382 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.780 -20.358 3 -10.746 -20.406 4 -10.744 -20.306	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 -58.8 -59.2 -60.6 -58.8 -59.2 -60.6	AZN 8.1 7.9 8.3 8.4 8.0 7.9 MS	SEC TO 30.  AZ SUN -83.1 -82.8 -62.7 -83.6 -82.8  SEC TO 29.  AZ SUN -83.1 -82.7 -83.7 -82.7 -82.7 -82.7 -82.7	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO  IMPACT 385  AZA 31.2 31.1 385	ALT 70.7446 C.57876 0.57224 0.58570 C.57224 155 ALT 68.7892 ALT 68.7892 C.566472 0.566472 0.566472 0.566472	ATLAS  LAT 6 -10-17  B/A C 0.852 0.862 0.841 0.852  ATLAS  ATLAS  B/A A C.852  C.849 0.862 0.862 0.862 0.863 0.863 0.863 0.863 0.849 0.841	ZPHAZ -90.5 -89.6 -89.6 -91.5 -91.4 -89.6 PHOTO	NO 596 INCD 67.8 67.9 67.8 67.9 67.8 NO INCU 67.8 67.9 67.8 67.9	PHAZ 39.3 40.1 38.5 40.1 155	R 06.200 EMIS 31.6 30.4 31.3 30.4 R 04.244 24.5 31.6 30.4 31.9 32.7	POD S  V 2.572  ALPHA 27.6 28.6 28.3 26.6 26.9 POD S  V 2.574  ALPHA 27.6 26.9 26.6 28.3 26.6 28.3 26.6	PTH	AZ AZ AZ AZ AZ AZ AZ AZ AZ AZ
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 6 -10.823 -20.301 6 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LON 2 -10.780 -20.358 3 -10.746 -20.406 6 -10.819 -20.3394	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764 81.12958 879.33522	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 -58.8 -59.2 -60.6 -58.8 -59.2 -60.6	AZN 8.1 7.9 8.3 8.4 8.0 7.9 MS	SEC TO 29.  SEC TO 29.  AZ SUN -83.5 -82.8  SEC TO 29.  AZ SUN -83.1 -82.7 -83.5 -82.7 -82.7 -82.7 -82.7 -82.7 -82.7	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.1 TAB NO  IMPACT 385  AZA 31.2 31.1 30.9 31.2 31.1 30.9 31.2	ALT 70.7446 C.57876 O.57224 O.58570 C.58570 C.57224 155 ALT 68.7892 A. C.56283 C.56492 O.56958 C.566118 C.55649	ATLAS  LAT 6 -10-17  8/A A C.852 0.862 0.862 ATLAS  LAT C -10-18  8/A A C.852 C.862 0.862 0.862 0.862 0.862 0.862	LC 1 -21. ZPHAZ -90.5 -89.6 -89.6 -89.6 -91.4 -89.6 PHOTO LC 3 -21. ZPHAZ -90.4 -89.6 -89.6 -89.6 -89.6	NO INCD 67.88 67.9 67.88 67.8 67.8 67.8 67.8 67.8 67.8 67.	PHAZ 39.3 40.1 38.5 38.5 40.1 155 186 39.3 40.1 38.5 40.1 38.5 40.1	R 06.200 EMIS 31.6 30.4 31.3 30.4 R 04.244 24.5 31.6 30.4 31.9 32.7	POD S 2.572 ALPHA 27.6 26.9 28.6 26.9 POD S V 2.574 ALPHA 27.6 26.9 28.6 26.9	PTH -64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021 SEQUENCE NO PTH -64.794 1  SCALE 0. 1.74810 2.23356 2.55752 2.22721	AZ 14.934 PT-PT 1-23 3-45 5-6 6-7 944 AZ 14.929 PT-PT 1-23 3-4 4-5 5-6 6-7
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 6 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.744 -20.358 3 -10.746 -20.406 4 -10.744 -20.358 6 -10.819 -20.394 7 -10.746 -20.406  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764 81.12958 79.26391 25 MIN 20  RANGE	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 -59.2 -58.8 -59.2 -50.6 -58.4 -56.9 -59.2 -50.2 SEC 254	AZN AZN AZN AZN AZN AZN AZN AZN	SEC TO 29.  AZ SUN -83.5 -83.6 -82.8  SEC TO 29.  AZ SUN -83.1 -82.7 -83.5 -82.7 -82.7 -82.7 -82.7	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.1 ITAB NO  IMPACT 385  AZA 31.2 31.1 30.9 31.2 31.1 TAB NO	ALT 70.7446.  A. C.57876 0.57224 0.58670 C.57224 155  ALT 68.7892.  ALT 68.7892.  ALT 66.8328 A.	ATLAS  LAT 6 -10-17  B/A C 0.852 0.862 0.841 0.852  ATLAS  ATLAS  B/A A 0.852  ATLAS  6 -10-18  B/A A 0.852  ATLAS	EPHOTO  L(1 -21. 2PHAZ -90.5 -89.6 -91.5 -91.4 -89.6 -91.5 -91.4 -89.6 -91.5 -	NO NO 596  INC D 67.8 8 67.9 67.9 67.8 67.8 67.8 67.8 NO NO NO 5569	188 PHAZ PHAZ PHAZ PHAZ PHAZ PHAZ PHAZ PHAZ	R R 31.6 30.4 8 R R 04.244 31.6 30.4 9 32.7 31.3 30.4 R R 02.288 EMIS	POD S  V 2.572  ALPHA  ALPHA	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021 SEQUENCE NO PTH64.794 1 SCALE 0. 1.74810 2.25356 2.55752 2.22721 SEQUENCE NO PTH -64.777 1 SCALE	AZ 1-2-3 3-4-5 5-6-7 ) 944 AZ 14-929 PT-PT 1-2-3 3-4-5 5-6-7 ) 945 AZ 14-929 PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 6 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  JULY 31,1964 20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 5 -10.618 -20.320 7 -10.746 -20.406	25 MIN 18  RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764 81.12958 79.26391 25 MIN 20  RANGE 77.88206 77.01946	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 -58.8 -59.2 -58.8 -59.2 -50.6 -58.4 -56.9 -59.2 -50.2 -50.2	AZN	SEC TO 29.  AZSUN -83.1 -82.8 -82.8 -82.8 -82.8 -82.8 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.1 7AB NO  IMPACT 385  AZA 31.2 31.1 30.9 31.2 31.1 30.9 31.2 31.1 30.9	154  ALT 70.7446  C.57876 0.57224 0.58670 C.58570 C.58570 C.577264 155  ALT 68.7892  A. C.56283 C.55649 C.56118 C.55649 156  ALT 66.8328 A. C.54689	ATLAS  LAY 6 -10-17  8 / 8 / 2  0.852  0.862  ATLAS  0 -10-18  B / A A C.852  0.862  ATLAS  ATLAS	2PHAZ -90.5 -91.5 -91.5 -91.4 -89.6 -91.5 -91.4 -89.6 -90.6 -89.6 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0	NO  INC D 67.8 8 67.9 667.8 8 NO  DN 5569  INC D 67.8 8 NO  DN 5569  INC D 67.8 8 NO  DN 5569  INC D 67.8 8 NO	188 PHAZ 39.3 39.3 38.5 540.1 155 188 40.1 156 186 PHAZ 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.	R 806.200 EMIS 31.6 30.4 31.9 32.7 31.3 30.4 8 R 04.244 41.9 31.3 30.4 8 8 8 92.288 EMIS 5 8	POD S  V 2.572  ALPHA 26.9 28.6 26.9 POD S  V 2.574  ALPHA 26.6 26.9 POD S	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021 SEQUENCE NO 2.53100 2.6356 2.55752 2.22721 SEQUENCE NO PTH -64.777 1  SCALE 0. 1.74810 2.55752 2.22721 SEQUENCE NO 2.6356 2.65752 2.22721 SEQUENCE NO PTH -64.777 1	AZ 4-934 PT-PT 1-2 2-3 3-4 5-6 6-7 ) 944 AZ 14-929 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 ) 945 AZ 14-929 PT-PT 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 4 -10.747 -20.313 5 -10.823 -20.301 6 -10.824 -20.382 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.780 -20.368 3 -10.746 -20.406 6 -10.819 -20.308 6 -10.818 -20.308 6 -10.819 -20.309 JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.746 -20.406  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.776 -20.364 3 -10.776 -20.364 3 -10.774 -20.326 4 -10.776 -20.364 3 -10.774 -20.326	RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764 81.12958 79.93522 79.26391 25 MIN 20  RANGE 77.88206 77.01946 78.15967	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 -59.2 SEC 414 AZS/C -58.8 -59.2 -60.6 -58.4 -59.2 -60.6 -58.4 -59.2 -60.6 -58.4 -59.2 -60.6 -58.4 -50.9	AZN	SEC TO 29.  AZSUN -83.1 -82.8 -82.8 -82.8 -82.8 -82.8 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.1 7AB NO  IMPACT 385  AZA 31.2 31.1 30.9 31.2 31.1 30.9 31.2 31.1 30.9	154  ALT 70.7446  C.57876 0.57224 0.58570 C.58570 C.57224 155  ALT 68.7892  A= C.56283 C.55649 C.5649 156  ALT 66.8328 A= 0.56649 C.56649 C.56649 C.56649 C.56649 C.56649	ATLAS  LAT 6 -10-17  8 -85 2 0.86 2 0.86 2  ATLAS  LAT 0 -10-18  B/A A C.85 2 0.84 9 0.84 1 0.85 5 C.86 2  ATLAS	2PHAZ -90.4 -89.6 -911.4 -89.6 -91.4 -89.6 -91.4 -89.6 -91.4 -89.6 -91.5 -91.4 -89.6 -89.6 -91.5 -91.4 -89.6 -89.6 -89.6 -91.5 -91.5 -91.4 -89.6	NO	188 9-33 39.3 39.3 39.3 38.5 -0.1 155 186 39.3 38.5 38.5 40.1 156	R R 31.6 30.4 31.9 32.7 30.4 8 R 04.244 41.9 32.7 31.3 30.4 8 8 802.288 EMIS 30.4	POD S  V 2.572  ALPHA 26.9  POD S  V 2.574  ALPA 26.9  POD S  V 2.576  ALPA 26.9  POD S  ALPA 27.6  ALPA 26.9  ALPA 27.6  ALPA 28.6	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.43005 2.29021 SEQUENCE NO 1.74810 2.53100 2.20356 2.55752 2.2721 SEQUENCE NO PTH64.777 1 SCALE 0. 1.74810 2.20356 2.55752 2.2721 SEQUENCE NO 1.69851 2.45920	AZ 4-929 PT-PT 1-2 2-3 3-4-5 5-6-7 ) 944 AZ 14-929 PT-PT 1-2 2-3 3-4-5 5-6 6-7 ) 945 AZ 14-924 PT-PT 1-2 2-3 3-4-5 5-6-7 ) 945
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 4 -10.747 -20.313 5 -10.823 -20.301 6 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.780 -20.358 3 -10.746 -20.406 4 -10.744 -20.320 5 -10.819 -20.394 7 -10.746 -20.406  JULY 31,1964 13 HR  TRAJECTORY UATA PHOTO DATA PT LAT LON 2 -10.786 -20.306 4 -10.746 -20.306 5 -10.819 -20.394 7 -10.743 -20.406	RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764 81.12958 79.3522 79.26391 25 MIN 20  RANGE 77.88206 77.01946 78.15185	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 SEC 414 AZS/C -58.8 -59.2 -60.6 -58.4 -56.2 SEC 254	AZN AZN AZN AZN AZN AZN AZN 8-11 7-9 8-3 8-4 4-7-9 MS	SEC TO 29.  AZ SUN -83.5 -82.8  SEC TO 29.  AZ SUN -83.1 -82.7 -83.5 -82.7	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.1 TAB NO  IMPACT 385  AZA 31.2 31.1 TAB NO  IMPACT 31.2 31.1 TAB NO	ALT 70.7446  A. C. 57876 0.57224 0.58570 0.58570 0.57224 155  ALT 68.7892  A. C. 56283 0.56472 0.56958 0.56472 0.56958 ALT 66.8328 A. C. 56492 0.56473 0.56473 0.56473	ATLAS  LAT 6 -10-17  8/A A C.852 C.849 C.841 C.852 ATLAS  B/A A C.852 C.862 ATLAS  B/A A C.852 C.862 ATLAS  B/A A C.852 C.862 ATLAS	ZPHAZ -90.4 -89.6 -91.5	NO  CN 596  INCD 67.88 67.99 67.88 67.99 67.88 67.89 67.89 67.80  INCD 67.88 67.99	188 39.3 38.5 40.1 156  188 178 189.3 189.	R R 30.4 30.4 30.4 30.4 30.4 2.7 31.6 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4	POD S  V 2.572  ALPHA 27.6 28.3 26.9 POD S  V 2.574  ALPHA 27.6 28.9 26.6 28.9 26.6 26.9 POD S	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021  SEQUENCE NO 1.74810 2.53100 2.26356 2.55752 2.22721  SEQUENCE NO 2.66851 2.45920 2.19940 2.19940 2.19940	AZ 14.934 PT-PT 1-2 2-3 3-4 5-6-7 ) 944 AZ 14.929 PT-PT 1-2 2-3 3-4 4-5 5-6-7 ) 945 AZ 14.924 PT-PT 1-2 2-3 3-4 4-5 5-6-7 ) 945
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 5 -10.823 -20.301 5 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.786 -20.356 3 -10.746 -20.406 4 -10.744 -20.320 5 -10.818 -20.368 6 -10.819 -20.398 7 -10.746 -20.406  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.776 -20.406 JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.776 -20.406  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.776 -20.406  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.776 -20.406  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.776 -20.364 3 -10.774 -20.410 4 -10.774 -20.328 5 -10.813 -20.410 6 -10.814 -20.400	RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764 81.12958 79.3522 79.26391 25 MIN 20  RANGE 77.88206 77.01946 78.15185	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 SEC 414 AZS/C -58.8 -59.2 -60.6 -58.4 -56.2 SEC 254	AZN AZN AZN AZN AZN AZN AZN 8-11 7-9 8-3 8-4 4-7-9 MS	SEC TO 29.  AZ SUN -83.5 -82.8  SEC TO 29.  AZ SUN -83.1 -82.7 -83.5 -82.7	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.1 TAB NO  IMPACT 385  AZA 31.2 31.1 TAB NO  IMPACT 31.2 31.1 TAB NO	ALT 70.7446.  A. C.57876 0.57224 0.58570 0.58570 0.57224 155  ALT 68.7892.  A. C.56649 0.566472 0.566472 0.566478 0.55649 156  ALT 66.8328 A. C.56689 0.56648 0.56688	ATLAS  LAT 6 -10-17  8/A C.852 0.862 0.841 0.855 ATLAS  ATLAS  LAT C -10-18  8/A A C.852 0.862 0.849 0.841 0.855 0.862 ATLAS	ZPHAZ -90.4 -89.6 -91.5 -91.4 -89.6 -91.5	NO CN 5596 INC D 67.8 8 67.9 9 67.8 8 67.9 9 67.8 8 67.8 8 NO CN 5569 INC D CN 5569 INC D CN 5569 INC D CN 5542 INC D CN 5542 INC D CN 567.8 8 67.9 9	186 940.1 155 186 187 187 188 188 188 188 188 188 188 188	R 006-200 EMIS 31-6 30-4 31-9 32-7 31-3 30-4 R R 04-244 81-9 31-5 30-4 R R 02-288 EMIS 31-5 30-4 31-9 31-3 31-3 31-3 31-3 31-3 31-3 31-3	POD S  V 2.572  ALPHA 27.6 26.9 28.3 26.6 26.9 26.9 26.9 26.9 26.9 26.9 26.9	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021 SEQUENCE NO  PTH64.794 1  SCALE 0. 1.74810 2.26356 2.55752 2.22721  SEQUENCE NO  PTH64.777 1  SCALE 0. 1.69851 2.45920 2.19942 2.48494	AZ 1-2-3 1-2-3 3-4-5 5-6-6-7 ) 944 AZ 14-929 PT-PT 1-2-3 3-4-5 5-6-7 ) 945 AZ 14-924 PT-PT 1-2-3 3-4-5 5-6-7 ) 945
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.352 3 -10.749 -20.401 4 -10.747 -20.313 5 -10.823 -20.301 6 -10.824 -20.389 7 -10.749 -20.401  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.780 -20.358 3 -10.746 -20.406 4 -10.744 -20.320 5 -10.819 -20.394 7 -10.746 -20.406  JULY 31,1964 13 HR  TRAJECTORY UATA PHOTO DATA PT LAT LON 2 -10.786 -20.306 4 -10.746 -20.306 5 -10.819 -20.394 7 -10.743 -20.406	RANGE 82.42007 81.50678 82.71404 83.42577 82.19724 81.50678 25 MIN 19  RANGE 80.15185 79.26391 80.43764 81.12958 79.93522 79.26391 25 MIN 20	AZS/C -58.8 -59.2 -60.6 -58.4 -56.9 SEC 414 AZS/C -58.8 -59.2 -60.6 -58.4 -56.2 SEC 254	AZN AZN AZN AZN AZN AZN AZN 8-11 7-9 8-3 8-4 4-7-9 MS	SEC TO 29.  AZSUN -83.1 -82.8 -82.8 -82.8 -82.8 -82.8 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7 -83.5 -82.7	TAB NO  IMPACT 225  AZA 31.2 31.1 30.9 31.2 31.1 TAB NO  IMPACT 385  AZA 31.2 31.1 TAB NO  IMPACT 31.2 31.1 TAB NO	ALT 70.7446.  A. C.57876 0.57224 0.58570 0.58570 0.57224 155  ALT 68.7892.  A. C.56649 0.566472 0.566472 0.566478 0.55649 156  ALT 66.8328 A. C.56689 0.56648 0.56688	ATLAS  LAT 6 -10-17  8/A A C.852 C.849 C.841 C.852 ATLAS  B/A A C.852 C.862 ATLAS  B/A A C.852 C.862 ATLAS  B/A A C.852 C.862 ATLAS	ZPHAZ -90.4 -89.6 -91.5 -91.4 -89.6 -91.5	NO CN 5596 INC D 67.8 8 67.9 9 67.8 8 67.9 9 67.8 8 67.8 8 NO CN 5569 INC D CN 5569 INC D CN 5569 INC D CN 5542 INC D CN 5542 INC D CN 567.8 8 67.9 9	186 940.1 155 186 187 187 188 188 188 188 188 188 188 188	R R 30.4 30.4 30.4 30.4 30.4 2.7 31.6 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4	POD S  V 2.572  ALPHA 27.6 26.9 28.3 26.6 26.9 26.9 26.9 26.9 26.9 26.9 26.9	PTH64.812 1  SCALE 0. 1.79770 2.60278 2.32760 2.63005 2.29021  SEQUENCE NO 1.74810 2.53100 2.26356 2.55752 2.22721  SEQUENCE NO 2.66851 2.45920 2.19940 2.19940 2.19940	AZ 1-2-3 1-2-3 3-4-5 5-6-6-7 ) 944 AZ 14-929 PT-PT 1-2-3 3-4-5 5-6-7 ) 945 AZ 14-924 PT-PT 1-2-3 3-4-5 5-6-7 ) 945

	RA-VII CAMER	A P2	27
JULY 31,1964 13 HR 25 MIN 21 SEC 94 MS	TAB NO	157 ATLAS PHOTO NO	POD SEQUENCE NO 946
TRAJECTORY DATA		ALT LAT LON	R V PTH AZ 1800.332 2.576 -64.759 114.919
PHOTO DATA	27.705	64.87643 -10.208 -21.515	1800.332 2.576 -64.759 114.919
PHOTO DATA PT LAT LON RANGE AZS/C A 2 -10.772 -20.370 75.61156 -58.8 8 3 -10.740 -20.415 74.77430 -59.2 7	IN AZSUN AZA 1 -83.1 31.2 9 -82.7 31.1	A* B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
2 -10.772 -20.370 75.61156 -58.8 8 3 -10.740 -20.415 74.77430 -59.2 7	.1 -83.1 31.2 .9 -82.7 31.1	0.53095 0.852 -90.4 67.8	39.3 31.5 27.6 0. 1-2 40.1 30.4 26.9 1.64891 2-3
4 -10.738 -20.335 75.88099 -60.6 8	.3 -82.7 30.9	0.53273 0.849 -89.6 67.9	40.1 30.4 26.9 1.64891 2-3 138.5 31.9 28.6 2.38738 3-4 138.5 32.7 28.3 2.13518 4-5
	.4 -83.5 31.2 .0 -83.6 31.4	C.53731	38.5 32.7 28.3 2.13518 4-5 40.1 31.1 26.6 2.41236 5-6
	9 -82.7 31.1	0.52497 0.662 -89.6 67.8	
JULY 31,1964 13 HR 25 MIN 21 SEC 934 KS	TAB NO	158 ATLAS PHOTO NO	POD SEQUENCE NO 947
TRAJECTORY DATA	SEC TO IMPACT 26.865	ALT LAT LUN 62.91902 -10.220 -21.488	1798.374 2.577 -64.742 114.913
PHOTO DATA PT LAT LON KANGE AZS/C A	ZN AZSUN AZA	A. B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C A	ZN AZSUN AZA 1 -83.1 31.2	C.51499 0.852 -90.4 67.6	1 39.3 31.5 27.6 0. 1-2
	9 -82.7 31.1 3 -82.7 30.9	0.50920 0.863 -89.6 67.8 0.51672 0.849 -89.6 67.8	40.1 30.4 26.9 1.59922 2- 3 38.5 31.9 28.6 2.31549 3- 4
5 -10.803 -20.331 74.23324 -58.4 8	.4 -83.5 31.2	C.52116 C.842 -91.5 67.9	38.5 32.7 28.3 2.07094 4- 5
	0 -83.6 31.4	C.51348 0.855 -91.4 67.8 C.50920 C.863 -89.6 67.8	3 40.1 31.3 26.6 2.33970 5- 6 3 40.1 30.4 26.9 2.03774 6- 7
1 -10:131 -20:420 12:32130 -37:2			
JULY 31,1964 13 HR 25 MIN 22 SEC 774 MS	TAB NO		159 POD SEQUENCE NO 948
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA	26.025	60.96124 -10.233 -21.461	R V PTH AZ 1796.417 2.578 -64.724 114.908
PT LAT LON KANGE AZS/C	ZN AZSUN AZA		
2 -10.763 -20.383 71.06626 -58.8 8	.1 -83.1 31.2	A+ B/A AZPHAZ INCI C.499C3 C.852 -90.4 67.8	39.3 31.5 27.6. 0. 1-2
	.9 -82.7 31.1 .3 -82.7 30.9	C.49342 O.863 +89.6 67.8 C.50070 O.849 -89.6 67.8	8 40.1 30.4 26.9 1.54959 2-3 8 38.5 31.9 28.5 2.24361 3-4 9 38.5 32.7 28.3 2.00670 4-5
5 -10.797 -20.339 71.93214 -58.4	4 -83.5 31.2	0.50501 0.842 -91.5 67.9	38.5 32.7 28.3 2.00670 4- 5
6 -10.798 -20.415 70.87431 -56.9 8	.4 -83.5 31.2 .0 -83.6 31.4	C.49757 C.855 -91.4 67.8	3 40.1 31.3 26.6 2.26706 5- 6
7 -10.733 -20.425 70.27970 -59.2	.9 -82.7 31.1	C.49342 0.863 -89.6 67.8	
JULY 31,1964 13 HR 25 MIN 23 SEC 614 MS	TAB NO	160 ATLAS PHOTO NO	160 POD SEQUENCE NO 949
TRAJECTORY DATA	SEC TU IMPACT	ALT LAT LCN 59.00261 -10.245 -21.434	R V PTH AZ 1794.458 2.579 -64.707 114.903
PHOTO DATA			
PT LAT LON RANGE AZS/C / 2 -10-759 -20-389 68-79154 -58-8	ZN AZSUN AZA .1 -83.1 31.2	A* B/A AZPHAZ INCI 0.483C6 0.852 -90.4 67.4	O PHAZ EMIS ALPHA SCALE PT-PT
3 -10.730 -20.430 68.03035 -59.2	.9 -82.7 31.1	0.47762 0.863 -89.6 67.1	8 39.3 31.5 27.6 0. 1- 2 8 40.1 30.4 26.9 1.49986 2- 3
4 -10.729 -20.357 69.03641 -60.6	.3 -82.7 30.9	0.48468 0.849 -89.6 67.8	8 38.5 31.9 28.5 2.17166 3-4
5 -10.792 -20.347 69.62946 ~58.4 6 +10.793 -20.421 68.60579 -56.9	.4 -83.5 31.2 .0 -83.6 31.4		8 38.5 32.7 28.3 1.94246 4-5 8 40.1 31.3 26.6 2.19435 5-6
6 -10.793 -20.421 68.60579 -56.9 ( 7 -10.730 -20.430 68.03035 -59.2	.9 -82.7 31.1	C.47762 C.863 -89.6 67.	
	TAB NO	161 ATLAS PHOTO NO	161 POD SEQUENCE NO. 950
JULY 31,1964 13 HR 25 MIN 24 SEL 454 M			
TRAJECTORY DATA PHOTO DATA	SEC TO IMPACT 24.346	ALT LAT LCN 57.04366 -10.258 -21.406	R V PTH AZ 1792.499 2.580 -64.689 114.898
DT LAT LON DANCE A/S/F	ZN AZ SUN AZ A	A. B/A AZPHAZ INC	D PHAZ EMIS ALPHA SCALE PT-PT
2 -10.755 -20.396 66.51592 -58.8	.1 -83.1 31.2	A+ B/A AZPHAZ INC C.46708 0.853 -90.4 67.	8 39.3 31.5 27.6 0. 1-2
3 +10.727 -20.435 65.78008 -59.2 4 -10.726 -20.365 66.75260 -60.6	.9 -82.7 31.1	0.46183 0.863 -89.6 67.	8 40.1 30.4 26.9 1.45014 2- 3 8 38 5 31 9 28 5 2.09971 3- 4
4 -10.726 -20.365 66.75260 -60.6 5 -10.787 -20.355 67.32588 -58.4	.3 -82.6 30.9 .4 -83.5 31.2	C.46864 C.85C -89.6 67. C.47267 C.842 -91.5 67.	8 38.5 31.9 28.5 2.09971 3-4 6 38.5 32.7 28.3 1.87812 4-5
6 -10.787 -20.426 66.33635 -56.9	.4 -83.5 31.2 .0 -83.6 31.4	0.47267 0.842 -91.5 67. C.46571 0.855 -91.4 67.	8 40.1 31.2 26.6 2.12163 5-6
7 -10.727 -20.435 65.78008 -59.2	.9 -82.7 31.1	C.46183 C.863 -89.6 67.	
JULY 31,1964 13 HR 25 MIN 25 SEC 294 M	TAB NO	162 ATLAS PHOTO NO	
TRAJECTORY DATA	SEC TO IMPAC	ALT LAT LON	R V PTH AZ 1790.539 2.582 -64.671 114.893
PHOTO DATA			
PT LAT LON RANGE AZS/C	ZN AZSUN AZA	A+ 6/A AZPHAZ INC C.451C9 0.853 -90.4 67. C.44602 0.863 -89.6 67.	D PHAZ EMIS ALPHA SCALE PT-PT
2 -10.751 -20.402 64.23882 -58.8 3 3 -10.724 -20.440 63.52832 -59.2	·1 -83.1 31.2	0.445109 0.853 -90.4 67. 0.44602 0.863 -89.6 67	8 34.3 31.5 21.6 U. 1-2 7 40.1 30.4 26.8 1.40046 2-3
4 -10.723 -20.372 64.46732 -60.6	.3 -82.6 30.9	0.45260 0.850 -89.6 67.	8 38.5 31.8 28.5 2.02772 3- 4
5 -10.782 -20.362 65.02081 -58.4 6 -10.782 -20.431 64.06542 -56.9	.4 -83.5 31.2 .0 -83.6 31.4	0.45260 0.850 -89.6 67. C.45649 0.842 -91.5 67. C.44977 0.855 -91.4 67.	8     39.3     31.5     27.6     0.     1-2       7     40.1     30.4     26.8     1.40046     2-3       8     38.5     31.8     28.5     2.02772     3-4       8     38.5     32.7     28.2     1.81377     4-5       8     40.1     31.2     26.6     2.04886     5-6
		U.44911 U.855 -91.4 67.	7 40.1 30.4 26.8 1.78475 6- 7

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				TAB NO	163	ATLAS PHOTO NO	163	POD SEQUENCE NO 952
JULY 31,1964 13 HR	25 MIN 26	SEC 134 MS				7.12.10 T.110.10 T.10	200	. 02 0202.102 110 302
TRAJECTORY DATA				IMPACT	ALT	LAT LON	. R	V PIH AZ 2.583 -64.654 114.888
PHOTO DATA								
PHOTC DATA PT LAT LON 2 -10.747 -20.408 3 -10.721 -20.445	RANGE	AZS/C A	ZN AZSUN	AZA	Α.	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.747 -20.408	61.96065	-58.8 8	-1 -83-1	31.2	C.435C9	0.853 -90.4 67.8 0.863 -89.6 67.7	39.3 31.5	27.6 01- 2 26.8 1.35065 2~ 3 28.5 1.95569 3- 4
3 -10.721 -20.445 4 -10.719 -20.379	61.27553	-59.2 7	.9 -82.7	31.1	0.43020	0.863 -89.6 67.7	40.1 30.4	26.8 1.35065 2- 3
5 -10.776 -20.379	62.71468	-60.6 8	.3 -82.6	30.9	0.44030	0.850 -89.6 67.8	38.5 31.8	28.5 1.95569 3-4 28.2 1.74943 4-5
6 -10.777 -20.437_		-57.0 8	.4 -83.5 .0 -83.6	31.4	C.43382	G.855 -91.4 67.8	40.1 31.2	26.6 1.97609 5- 6
7 -10.721 -20.445	61.27553	-59.2 7	.9 -82.7	31.1	0.43020	0.863 -89.6 67.7	40.1 30.4	26.8 1.72135 6- 7
						4		
JULY 31,1964 13 HR	25 MIN 37	CCC 03/ HC		TAB NO	164	ATLAS PHOTO NO	164	POD SEQUENCE NO 953
30L1 31,1984 13 HK								
TRAJECTORY DATA			OJ. DB2	IMPACT	ALT	LAI LON	R	V PTH AZ 2.584 -64.636 114.883
			21	.826	51.1629	3 -10.295 -21.324	1786.618	2.584 -64.636 114.883
PHOTO DATA								
PT LAT LON	EQ 40117	AZS/C A	ZN AZSUN	A / A	A.	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
3 -10.717 -20.450	59-02141	-59.2 7	•1 -03•1 •9 -82.7	31.1	0.41437	0.863 -89.6 67.7	40.1 30.4	27.6 0. 1-2 26.8 1.30093 2-3 28.5 1.88364 3-4
4 -10.716 -20.387	59.69330	-60-6 8	362.6	30.9	C-42049	C.85C -89.6 67.8	38-5 31-8	28.5 1.88364 3-4
5 -10.771 -20.378	60.40723	-58.4 8	.4 -83.5	31.2	C.42410	0.842 -91.5 67.8	38.5 32.6	28.2 1.68499 4-5
6 -10.772 -20.442	59.52013	-57.0 8	.0 -83.6	31.4	C.41786	0.855 -91.4 67.8	40.1 31.2	26.6 . 1.90327 . 5-6
7 -10.717 -20.450	59.02141	-59.2	.9 -82.7	31-1	0.41437	0.863 -89.6 67.7	40.1 30.4	26.8 1.65805 6- 7
				TAB NO	165	ATLAS PHOTO NO	165	POD SEQUENCE NO 954
JULY 31,1964 13 HR	25 MIN 27	SEC. 814 #5		-				
TRAJECTORY DATA			SEC TO	IMPACT	ALT	LAT LON	R	V PTH AZ 2.585 -64.618 114.877
PHOTO DATA			20	. 486	49.2014	9 -10.308 -21.297	1/84.65/	2.585 -64.618 114.877
PT LAT LON	RANGE	AZS/C A	ZN AZSUN	AZA	Δ+	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.738 -20.421	57.40040	-58.8	.1 -63.1	31.2	C.403C7	B/A AZPHAZ INCD G.653 -9Q.4 67.8 0.863 -89.6 67.7	39.3 31.5	27.5 0. 1-2
3 -10.714 -20.455	56.76598	-59.2 7	.9 -82.7	31.1	C.39854	0.863 -89.6 67.7	40.1 30.4	26.8 1,25116 2- 3
4 -10.713 -20.394 5 -10.766 -20.386	57.60434 58.09849	-60.6 8	.3 -82.6 .4 -83.5 .0 -83.6	30.9	0.40442	0.850 -89.6 67.8	38.5 31.8	28.5 1.81156 3-4
6 -10.766 -20.447	57.24553	-57.0 B	.0 -83.6	31.4	0.40789	0.842 -91.5 67.8 0.855 -91.4 67.7	40 1 31 2	26.4 1.02054 4-5
7 -10.714 -20.455	56.76598	-59.2 7	.9 -82.7	31.1	0.39854	0.863 -89.6 67.7	40.1 30.4	28.5 1.81156 3- 4 28.2 1.62054 4- 5 26.6 1.83042 5- 6 26.8 1.59465 6- 7
WIN 21 10// 12 UD	25 #15 20	566 454 <b>4</b> 5		TAB NO	166	ATLAS PHOTO NO	166	POD SEQUENCE NO 955
JULY 31,1964 13 HR	25 MIN 28	SEC 654 MS		TAB NO	166	ATLAS PHOTO NO	166	POD SEQUENCE NO 955
JULY 31,1964 13 HR	25 MIN 28	SEC 654 MS	SEC TO	IMPACT	Al T	LAT LON	R	V PTH 87
TRAJECTORY DATA			SEC TO 20	IMPACT	ALT 47.2393	LAT LON 2 -10-320 -21.269	R 1782.695	V PTH AZ 2.586 -64.600 114.872
TRAJECTORY DATA			SEC TO 20	IMPACT	ALT 47.2393	LAT LON 2 -10-320 -21.269	R 1782.695	V PTH AZ 2.586 -64.600 114.872
TRAJECTORY DATA PHOTE DATA PT LAT LCN			SEC TO 20	IMPACT	ALT 47.2393	LAT LON 2 -10-320 -21.269	R 1782.695	V PTH AZ 2.586 -64.600 114.872
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460			SEC TO 20	IMPACT	ALT 47.2393	LAT LON 2 -10-320 -21.269	R 1782.695	V PTH AZ 2.586 -64.600 114.872
TRAJECTORY DATA PHOTE DATA PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402	RANGE 55.11819 54.50916 55.31397	AZS/C A -58.8 8 -59.2 7 -60.6 8	SEC TO 20 ZN AZSUN .1 -83.1 .9 -62.7 .3 -62.6	AZA 31.2 31.1 30.9	ALT 47.2393 A* C.38704 C.38270 C.38834	LAT LON 2 -10.320 -21.269 8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8	V PTH AZ 2.586 -64.600 114.872 ALPHA SCALE PT-PT 27.5 0. 1-2 26.8 1.20136 2-3 28.5 1.73942 3-4
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.394	RANGE 55.11819 54.50916 55.31397 55.78834	A7S/C A -58.8 8 -59.2 7 -60.6 8 -58.4 8	SEC TO 20 ZN AZSUN .1 -83.1 .9 -82.7 .3 -82.6 .4 -83.5	AZA 31.2 31.1 30.9 31.2	ALT 47.2393 A* C.38704 C.38270 C.38834 C.39167	LAT LON 2 -10.320 -21.269 8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.850 -89.6 67.8 0.842 -91.5 67.8	R 1782-695 PHAZ EMIS 39-3 31-5 40-1 30-4 38-5 31-8 38-5 32-6	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.394 6 -10.761 -20.453	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953	A7S/C A -58.8 8 -59.2 7 -60.6 8 -58.4 8	SEC TO 20 ZN AZSUN .1 -83.1 .9 -82.7 .3 -82.6 .4 -83.5	AZA 31.2 31.1 30.9 31.2	ALT 47.2393 A* C.38704 C.38270 0.38834 C.39167 0.38591	LAT LON 2 -10.370 -21.269 B/A AZPHAZ INCO 0.653 -90.4 67.8 0.653 -89.6 67.8 0.950 -89.6 67.8 0.942 -91.5 67.8 0.951 -91.4 67.8	R 1782-695 PHAZ EMIS 39-3 31-5 40-1 30-4 38-5 31-8 38-5 32-6 40-1 31-2	V PTH AZ 2.586 -64.600 114.872 ALPHA SCALE PT-PT 27.5 0. 1-2 26.8 1.20136 2-3 28.5 1.73942 3-4 28.2 1.55610 4-5 26.6 1.75752 5-6
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.394	RANGE 55.11819 54.50916 55.31397 55.78834	A7S/C A -58.8 8 -59.2 7 -60.6 8 -58.4 8	SEC TO 20 ZN AZSUN 1 -83.1 .9 -82.7 .3 -82.6	AZA 31.2 31.1 30.9 31.2	ALT 47.2393 A* C.38704 C.38270 C.38834 C.39167	LAT LON 2 -10.370 -21.269 B/A AZPHAZ INCO 0.653 -90.4 67.8 0.653 -89.6 67.8 0.950 -89.6 67.8 0.942 -91.5 67.8 0.951 -91.4 67.8	R 1782-695 PHAZ EMIS 39-3 31-5 40-1 30-4 38-5 31-8 38-5 32-6 40-1 31-2	V PTH AZ 2.586 -64.600 114.872 ALPHA SCALE PT-PT 27.5 0. 1-2 26.8 1.20136 2-3 28.5 1.73942 3-4 28.2 1.55610 4-5 26.6 1.75752 5-6
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.394 6 -10.761 -20.453 7 -10.711 -20.460	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916	AZS/C A -58.8 8 -59.2 7 -60.6 8 -58.4 -57.0 8 -59.2 7	SEC TO 20 ZN AZSUN .1 -83.1 .9 -82.7 .3 -62.6 .4 -83.5 .0 -63.6 .9 -82.7	AZA 31.2 31.1 30.9 31.2	ALT 47.2393 A* C.38704 C.38270 0.38834 C.39167 0.38591 0.38270	LAT LON 2 -10.370 -21.269 B/A AZPHAZ INCO 0.653 -90.4 67.8 0.653 -89.6 67.8 0.950 -89.6 67.8 0.942 -91.5 67.8 0.951 -91.4 67.8	R 1782-695 PHAZ EMIS 39-3 31-5 40-1 30-4 38-5 31-8 38-5 32-6 40-1 31-2 40-1 30-4	V PTH AZ 2.586 -64.600 114.872 ALPHA SCALE PT-PT 27.5 0. 1-2 26.8 1.20136 2-3 28.5 1.73942 3-4 28.2 1.55610 4-5 26.6 1.75752 5-6
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.394 6 -10.761 -20.453	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916	AZS/C A -58.8 8 -59.2 7 -60.6 8 -58.4 -57.0 8 -59.2 7	SEC TO 20 ZN AZSUN .1 -83.1 .9 -82.7 .3 -62.6 .4 -83.5 .0 -63.6 .9 -82.7	AZA 31.2 31.1 30.9 31.2 31.4 31.1	ALT 47.2393 A* C.38704 C.38270 0.38834 C.39167 0.38591 0.38270	LAT LON 2 -10.370 -21.269 8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.862 -91.5 67.8 0.842 -91.5 67.8 0.863 -89.6 67.7	R 1782-695 PHAZ EMIS 39-3 31-5 40-1 30-4 38-5 31-8 38-5 32-6 40-1 31-2 40-1 30-4	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1-2 26.8 1.20136 2-3 28.5 1.73942 3-4 28.2 1.55610 4-5 26.6 1.75712 5-6 26.8 1.53125 6-7
PHOTC DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.534 6 -10.761 -20.453 7 -10.711 -20.460  JULY 31,1964 13 HR	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916	AZS/C A -58.8 8 -59.2 7 -60.6 8 -58.4 -57.0 8 -59.2 7	SEC TO 20 ZN AZSUN .1 -83.1 .9 -82.6 .3 -62.6 .4 -83.5 .0 -81.6 .9 -82.7	AZA 31.2 31.1 30.9 31.2 31.4 31.1	ALT 47.2393 A. C.38704 C.38270 C.38834 C.39167 O.38551 O.38270	LAT LON 2 -10.370 -21.269 8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.42 -91.5 67.8 0.655 -91.4 67.2 0.863 -89.6 67.7 ATLAS PHOTO NO	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75725 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.394 6 -10.761 -20.453 7 -10.711 -20.460	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916	AZS/C A -58.8 8 -59.2 7 -60.6 8 -58.4 -57.0 8 -59.2 7	SEC TO 20 ZN AZSUN .1 -83.1 .9 -62.7 .3 -82.6 .4 -83.5 .0 -83.6 .9 -82.7	AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO	ALT 47.2393 A* C.38704 C.38834 C.39167 O.38834 O.38270	BAA AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.950 -89.6 67.8 0.863 -89.6 67.8 0.863 -89.6 67.7 ATLAS PHOTO NO	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4	V PTH AZ  2.586 -64.600 114.872  ALPHA SCALE PT-PT  27.5 0. 1-2  26.8 1.20136 2-3  28.5 1.73942 3-4  28.2 1.55610 4-5  26.6 1.75752 5-6  26.8 1.53125 6-7  POD SEQUENCE NO 956
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.761 -20.394 6 -10.761 -20.453 7 -10.711 -20.460  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916 25 MIN 29	AZS/C A -58.8 8 -59.2 7 -60.6 8 -58.4 8 -57.0 8 -59.2 7	SEC TO 20 ZN AZSUN 1 -83.1 9 -62.7 3 -62.6 -4 -83.5 0 -81.6 .9 -82.7	AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO	ALT 47.2393 A+ C.38704 C.38934 C.39167 C.39591 O.38591 O.38591	LAT LON 2 -10.370 -21.269  8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.462 -91.5 67.8 0.462 -91.5 67.8 0.663 -89.6 67.7 ATLAS PHOTO NO	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.8 1.55125 5- 6 26.8 1.55125 6- 7  POD SEQUENCE NO 956
PHOTC DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.394 6 -10.761 -20.453 7 -10.711 -20.460  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA	RANGE 55.11819 54.50916 55.31397 55.78834 54.6953 54.50916 25 MIN 29	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.9 8 -59.2 7	SEC TO 20 2N AZSUN 1 -83.1 1 -62.7 .3 -62.6 4 -83.5 .0 -83.6 .9 -82.7 SEC TO	AZA 31.2 31.1 30.9 31.2 31.1 TAB NO	ALT 47.2393 A+ C.38704 C.38934 C.39167 C.39591 O.38591 O.38591	LAT LON 2 -10.370 -21.269  8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.462 -91.5 67.8 0.462 -91.5 67.8 0.663 -89.6 67.7 ATLAS PHOTO NO	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.8 1.55125 5- 6 26.8 1.55125 6- 7  POD SEQUENCE NO 956
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.761 -20.394 6 -10.761 -20.453 7 -10.711 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PI LAI LON 2 -10.730 -20.434	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916 25 MIN 29	AZS/C A -58.8 8 -59.2 7 -60.6 8 -58.4 8 -59.2 7 SEC 494 MS	SEC TO 20  ZN AZSUM .1 -83.1 .9 -62.7 .3 -62.6 .4 -83.5 .0 -83.6 .9 -82.7  SEC TO 19	AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO	ALT 47.2393 A+ C.38704 C.38934 C.39167 C.39591 O.38591 O.38591	LAT LON 2 -10.370 -21.269  8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.462 -91.5 67.8 0.462 -91.5 67.8 0.663 -89.6 67.7 ATLAS PHOTO NO	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.8 1.55125 5- 6 26.8 1.55125 6- 7  POD SEQUENCE NO 956
PHOTE DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.761 -20.492 6 -10.761 -20.493 7 -10.711 -20.460  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTE DATA  PHOTE DATA  PT LAT 2 -10.730 -20.434 3 -10.708 -20.465	RANGE 55.11819 54.50916 55.38397 55.78834 54.96953 54.50916 25 MIN 29	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.0 8 -59.2 7 SEC 494 MS	SEC TO 20 ZN AZSUM.1 -83.1 -9 -62.7 -3 -62.6 -63.6 -9 -82.7  SEC TO 19	AZA 31.2 31.1 30.9 31.2 31.1 TAB NO IMPACT .306	ALT 47.2393 C.38704 C.38270 C.38834 C.39167 O.385270 167 ALT 45.2767 A+ C.37101 C.36684	LAT LON 2 -10.370 -21.269  8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.864 -89.6 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.843 -89.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.853 -90.4 6/18 0.863 -90.6 67.8	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4 167 R 1780.732 PHAZ EMIS 39.3 31.3	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 26.8 1.15149 2- 3
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.761 -20.394 6 -10.761 -20.453 7 -10.711 -20.460  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  P1 LM 2 -10.730 -20.434 3 -10.708 -20.465 4 -10.707 -20.409	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916 25 MIN 29	AZS/C A -58.8 8 8 -59.2 7 -60.6 8 -57.0 8 -59.2 7 SEC 494 MS	SEC TO 20 ZN AZSUN. 1 -83.1 9 -62.7 3 -82.6 4 -83.5 0 -81.6 9 -82.7  SEC TO 70 70 70 70 70 70 70 71 70 73 73 73 73 73 73 73 73 73 73 73 73 73	AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO  IMPACT .306 A7A 31.2 31.1 31.0	ALT 47.2393 C.38704 C.38270 C.38834 C.39167 O.385270 167 ALT 45.2767 A+ C.37101 C.36684	LAT LON 2 -10.370 -21.269  8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.864 -89.6 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.843 -89.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.853 -90.4 6/18 0.863 -90.6 67.8	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4 167 R 1780.732 PHAZ EMIS 39.3 31.3	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 26.8 1.15149 2- 3
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.453 7 -10.711 -20.453 7 -10.711 -20.453 TRAJECTORY DATA  PHOTE DATA	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25 MIN 29 25 MIN 29 25-83501 52-25134 33-02259 53-47721 52-69256	AZS/C A -58.2 7 -60.6 8 -59.2 7 -60.6 8 -57.0 8 -59.2 7 SEC 494 MS	SEC TO 20 ZN AZSUN. 1 -83.1 9 -62.7 3 -82.6 4 -83.5 0 -83.6 9 -82.7  SEC TO 10 1 -83.1 1 -83.1 9 -82.7 3 -82.6 4 -83.5 0 -83.6 0 -83.5	AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO  IMPACT .306  A7A 31.2 31.1 31.0 31.2	ALT 47.2393 A* C.38270 C.38834 C.39167 O.38591 C.38270 167 ALT 45.2767 A- C.37725 C.37544 C.3725 C.375942	B/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.850 -89.6 67.8 0.863 -89.6 67.8 0.863 -89.6 67.7 ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241 8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -90.4 67.8 0.864 -91.5 67.8 0.862 -91.5 67.8 0.862 -91.5 67.8	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.5 31.8 38.5 31.8 38.5 31.8 38.5 31.8 38.5 31.8	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 26.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.5 1.68261 5- 6
PHOTO DATA PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.761 -20.453 7 -10.761 -20.453 7 -10.711 -20.460  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916 25 MIN 29 25.83501 52.25134 53.02259 53.47721	AZS/C A -58.2 7 -60.6 8 -59.2 7 -60.6 8 -57.0 8 -59.2 7 SEC 494 MS	SEC TO 20 ZN AZSUN 1 -83.1 -9 -62.7 .3 -62.6 .4 -83.5 .4 -83.5 .9 -82.7  SEC TO 19 ZN AZSUN 1 -83.1 .9 -82.7 .9 -82.7 .9 -82.7 .9 -82.7 .9 -82.4 .9 .9 -82.7	AZA 31.2 31.1 30.9 31.2 31.4 31.1 TAB NO  IMPACT .306  A7A 31.2 31.1 31.0 31.2	ALT 47.2393 A* C.38270 C.38834 C.39167 O.38591 C.38270 167 ALT 45.2767 A- C.37725 C.37544 C.3725 C.375942	B/A AZPHAZ INCO 0.653 -90.4 67.8 0.863 -89.6 67.7 0.555 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  B/A AZPHAZ INCO 0.863 -90.4 67.8 0.862 -89.6 67.7 0.865 -89.6 67.8 0.862 -99.6 67.8	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.5 31.8 38.5 31.8 38.5 31.8 38.5 31.8 38.5 31.8	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 26.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.5 1.68261 5- 6
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.453 7 -10.711 -20.453 7 -10.711 -20.453 TRAJECTORY DATA  PHOTE DATA	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25 MIN 29 25 MIN 29 25-83501 52-25134 33-02259 53-47721 52-69256	AZS/C A -58.2 7 -60.6 8 -59.2 7 -60.6 8 -57.0 8 -59.2 7 SEC 494 MS	SEC TO 20  ZN AZSUM. 1 -83.1 .9 -62.7 .3 -82.6 .4 -83.5 .0 -83.6 .9 -82.7  SEC TO 19 A75(IIM1 -83.1 .2 -83.5 .4 -83.5 .6 -9 -82.7	IMPACT	ALT 47.2393 C.38270 C.38270 C.38834 C.39167 C.385270 167 ALT 45.2767 A+ C.37101 C.36684 C.37225 C.37544 C.36992 C.36684	LAT LON 2 -10.370 -21.269  8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.942 -91.5 67.8 0.942 -91.5 67.8 0.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.853 -90.4 6/.8 0.862 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 167  R 1780.732 PHAZ EMIS 39.5 31.8 38.5 31.8 38.5 31.8 38.5 31.8 38.5 31.8 38.5 31.8	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 26.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.8 1.46775 6- 7
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.761 -20.493 6 -10.761 -20.453 7 -10.711 -20.460  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTE	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25 MIN 29 RANGE 52-83501 52-25134 53-02259 53-47721 52-69256 52-25134	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.9 8 -59.2 7 SEC 494 MS	SEC TO 20  ZN AZSUN. 1 -83.1 9 -62.7 3 -62.6 4 -83.5 0 -83.6 9 -82.7  SEC TO 19 7 A75IIII 1 -83.1 9 -62.7 3 -82.6 0 -83.6 9 -82.7	IMPACT	ALT 47-2393 C.38704 C.38270 C.38834 C.39167 O.38527 167 ALT 45-2767 A+ C.37121 O.36684 C.37225 C.37544 O.36992 C.36684	B/A AZPHAZ INCO 0.653 -90.4 67.8 0.863 -89.6 67.8 0.863 -89.6 67.7 0.555 -91.5 67.8 0.863 -89.6 67.7 ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  B/A AZPHAZ INCO 0.863 -89.6 67.8 0.862 -89.6 67.8 0.863 -89.6 67.8 0.863 -89.6 67.8 0.863 -89.6 67.8 0.863 -89.6 67.8 0.863 -89.6 67.7	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4 167  R 1780.732 PHAZ EMIS 39.5 31.8 39.5 31.8 39.5 31.8 38.5 31.6 40.1 30.4	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 26.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.5 1.68261 5- 6
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.453 7 -10.711 -20.453 7 -10.711 -20.453 TRAJECTORY DATA  PHOTE DATA	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25 MIN 29 RANGE 52-83501 52-25134 53-02259 53-47721 52-69256 52-25134	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.9 8 -59.2 7 SEC 494 MS	SEC TO 20 ZN AZSUM. 1 -83.1 -9 -62.7 3 -62.6 -4 -83.5 -9 -82.7  SEC TO 19	AZA 31.2 31.1 30.9 31.2 31.1 TAB NO	ALT 47-2393 C.38704 C.38270 C.38834 C.39167 O.38527 167 ALT 45-2767 A+ O.37101 O.36684 C.37225 C.37544 O.36992 C.36684	B/A AZPHAZ INCO 0.653 -90.4 67.8 0.863 -89.6 67.7 0.555 -91.4 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.7  ATLAS PHOTO NO  LAT LON 2-10.333 -21.241  8/A AZPHAZ INCO 0.863 -89.6 67.7 0.865 -89.6 67.8 0.863 -91.5 67.8 0.855 -91.5 67.8 0.8542 -91.5 67.8 0.855 -91.5 67.8	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.5 31.8 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 168	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75712 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 2.6.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.5 1.68461 5- 6 26.5 1.68461 5- 6 26.6 1.46775 6- 7  POD SEQUENCE NO 957
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.761 -20.493 6 -10.761 -20.453 7 -10.711 -20.460  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTE	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25 MIN 29 RANGE 52-83501 52-25134 53-02259 53-47721 52-69256 52-25134	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.9 8 -59.2 7 SEC 494 MS	SEC TO 20 ZN AZSUM. 1 -83.1 -9 -62.7 3 -62.6 -4 -83.5 -9 -82.7  SEC TO 19	AZA 31.2 31.1 30.9 31.2 31.1 TAB NO	ALT 47-2393 C.38704 C.38270 C.38834 C.39167 O.38527 167 ALT 45-2767 A+ O.37101 O.36684 C.37225 C.37544 O.36992 C.36684	B/A AZPHAZ INCO 0.653 -90.4 67.8 0.863 -89.6 67.7 0.555 -91.4 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.7  ATLAS PHOTO NO  LAT LON 2-10.333 -21.241  8/A AZPHAZ INCO 0.863 -89.6 67.7 0.865 -89.6 67.8 0.863 -91.5 67.8 0.855 -91.5 67.8 0.8542 -91.5 67.8 0.855 -91.5 67.8	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.5 31.8 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 168	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75712 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 2.6.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.5 1.68461 5- 6 26.5 1.68461 5- 6 26.6 1.46775 6- 7  POD SEQUENCE NO 957
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.453 7 -10.711 -20.453 T -10.711 -20.453 T -10.711 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25 MIN 29 RANGE 52-83501 52-25134 53-02259 53-47721 52-69256 52-25134	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.9 8 -59.2 7 SEC 494 MS	SEC TO 20 ZN AZSUM. 1 -83.1 -9 -62.7 3 -62.6 -4 -83.5 -9 -82.7  SEC TO 19	AZA 31.2 31.1 30.9 31.2 31.1 TAB NO	ALT 47-2393 C.38704 C.38270 C.38834 C.39167 O.38527 167 ALT 45-2767 A+ O.37101 O.36684 C.37225 C.37544 O.36992 C.36684	B/A AZPHAZ INCO 0.653 -90.4 67.8 0.863 -89.6 67.7 0.555 -91.4 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.8 0.842 -91.5 67.7  ATLAS PHOTO NO  LAT LON 2-10.333 -21.241  8/A AZPHAZ INCO 0.863 -89.6 67.7 0.865 -89.6 67.8 0.863 -91.5 67.8 0.855 -91.5 67.8 0.8542 -91.5 67.8 0.855 -91.5 67.8	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.5 31.8 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 168	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75712 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 2.6.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.5 1.68461 5- 6 26.5 1.68461 5- 6 26.6 1.46775 6- 7  POD SEQUENCE NO 957
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.453 7 -10.711 -20.453 7 -10.711 -20.453  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTE DATA  1 LAI 2 -10.730 -20.434 3 -10.708 -20.453 4 -10.707 -20.409 5 -10.755 -20.462 6 -10.756 -20.458 7 -10.708 -20.465  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25-23501 52-23501 52-25134 53-02259 53-47721 52-6956 52-25134	AZS/C A -58.8 B 8 -59.2 7 -60.6 B -59.2 7 SEC 494 MS AZZ/C A -59.2 7 SEC 494 MS AZZ/C A -59.2 7 SEC 334 MS	SEC TO 20  ZN AZSUM. 11 -83.1 9 -62.7 3 -82.6 4 -83.5 0 -83.6 9 -82.7  SEC TO 19  N A75(IN) 11 -83.1 1 -83.1 9 -82.7  SEC TO 19  SEC TO 19  SEC TO 19	IMPACT	ALT 47.2393 A* C.382704 C.38270 C.38834 C.39167 O.385270 167 ALT 45.2767 A* C.37101 O.36684 C.37225 C.36684 C.37225 C.36684 C.37225 C.36684 C.37225 C.36684	LAT LON 2 -10.370 -21.269  8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.2 0.855 -91.4 67.7 0.863 -89.6 67.7 ATLAS PHOTO NO	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 167  R 1780.732 PHAZ EMIS 39.5 32.6 40.1 30.4 38.5 31.8 38.5 31.8 38.5 32.6 40.1 30.4 168	V PTH AZ 2.586 -64.600 114.87Z  ALPHA SCALE PT-PT 27.5 0. 1-2 26.8 1.20136 2-3 28.5 1.73942 3-4 28.2 1.55610 4-5 26.8 1.53125 6-7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 2.6.8 1.51149 2-3 28.5 1.66726 3-4 28.2 1.49155 4-5 26.8 1.46775 6-7  POD SEQUENCE NO 957
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.453 7 -10.711 -20.453 7 -10.711 -20.453  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTE DATA  1 LAI 2 -10.730 -20.434 3 -10.708 -20.453 4 -10.707 -20.409 5 -10.755 -20.462 6 -10.756 -20.458 7 -10.708 -20.465  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25-23501 52-23501 52-25134 53-02259 53-47721 52-6956 52-25134	AZS/C A -58.8 B 8 -59.2 7 -60.6 B -59.2 7 SEC 494 MS AZZ/C A -59.2 7 SEC 494 MS AZZ/C A -59.2 7 SEC 334 MS	SEC TO 20  ZN AZSUM. 11 -83.1 9 -62.7 3 -82.6 4 -83.5 0 -83.6 9 -82.7  SEC TO 19  N A75(IN) 11 -83.1 1 -83.1 9 -82.7  SEC TO 19  SEC TO 19  SEC TO 19	IMPACT	ALT 47.2393 A* C.382704 C.38270 C.38834 C.39167 O.385270 167 ALT 45.2767 A* C.37101 O.36684 C.37225 C.36684 C.37225 C.36684 C.37225 C.36684 C.37225 C.36684	LAT LON 2 -10.370 -21.269  8/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.7 0.863 -89.6 67.2 0.855 -91.4 67.7 0.863 -89.6 67.7 ATLAS PHOTO NO	R 1782.695 PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 167  R 1780.732 PHAZ EMIS 39.5 32.6 40.1 30.4 38.5 31.8 38.5 31.8 38.5 32.6 40.1 30.4 168	V PTH AZ 2.586 -64.600 114.87Z  ALPHA SCALE PT-PT 27.5 0. 1-2 26.8 1.20136 2-3 28.5 1.73942 3-4 28.2 1.55610 4-5 26.8 1.53125 6-7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 2.6.8 1.51149 2-3 28.5 1.66726 3-4 28.2 1.49155 4-5 26.8 1.46775 6-7  POD SEQUENCE NO 957
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.453 7 -10.711 -20.450  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.704 -20.465	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916 25 MIN 29 25 MIN 29 25 MIN 30 25.25134 25.25134 25 MIN 30 RANGE 50.55049 49.99218	AZS/C A -58.8 8 -59.2 7 -60.6 8 -59.2 7 -58.4 8 -59.2 7 SEC 494 MS AZS/C A -59.2 7 SEC 334 MS	SEC TO 20  ZN AZSUM. 1 -83.1 9 -62.7 3 -62.6 4 -83.5 0 -83.6 .9 -82.7  SEC TO 19  N A76INA. 1 -83.1 9 -82.7  SEC TO 83.6 9 -82.7  SEC TO 83.6 1 -83.5 1 -83.5 2N AZSUM. 1 -83.1 2N AZSUM. 1 -83.1 2N AZSUM.	IMPACT .146  AZA 31.2 31.1 30.9 31.2 31.4 31.1  TAB NO  IMPACT .306  A7A 31.2 31.1  TAB NO  IMPACT .466  AZA 31.2 31.1	ALT 47.2393  A. C.38270 C.38834 C.39167 C.38832 C.38270  167  ALT 45.2767 A. C.37101 C.36684 C.37255 C.37544 C.36992 C.36684  ALT 43.3134 A. C.35497 C.35098	LAT LON 2 -10.370 -21.269  B/A AZPHAZ INCO 0.853 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.462 -91.5 67.8 0.462 -91.5 67.8 0.463 -89.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  B/A AZPHAZ INCO 0.863 -89.6 67.7 0.863 -89.6 67.7 C.863 -89.6 67.7 C.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  B/A AZPHAZ INCO 0.855 -91.4 67.7 C.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 5 -10.346 -21.214  B/A AZPHAZ INCO 0.653 -90.4 67.7 0.863 -90.4 67.7 0.863 -90.4 67.7 0.863 -90.4 67.7 0.863 -90.6 67.8	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 31.2 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.3 31.5 40.1 30.4 168  R 1778.769	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 26.8 1.46775 6- 7  POD SEQUENCE NO 957  V PTH AZ 26.6 1.46775 6- 7  POD SEQUENCE NO 957
TRAJECTORY DATA  PHOTE DATA  PT LAT	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916 25 MIN 29 25 MIN 29 3.4275134 33.02259 53.47721 52.69256 52.25134 25 MIN 30 RANGE 50.55049 49.99218 50.75989	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.0 8 -59.2 7 SEC 494 MS AZZ/C A -59.2 7 -60.6 8 -57.0 8 -59.2 7 -58.8 8 -59.2 7	SEC TO 20  ZN AZSUM: 1 -83.1 .9 -62.7 .3 -62.6 .4 -83.5 .0 -81.6 .9 -82.7  SEC TO 19  ZN AZSUM: 1 -83.1 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6	IMPACT .146  AZA 31.2 31.1 30.9 31.2 31.1  TAB NO  IMPACT .306  A7A 31.2 31.1  TAB NO  IMPACT .466  AZA 31.2 31.1  IMPACT .306	ALT 47.2393 C.38704 C.38270 C.38834 C.39167 O.385270 167 ALT 45.2767 A+ C.37101 O.36684 C.37225 C.37544 C.36684 C.35697 ALT 43.3134 A+ C.35697 O.35697 O.35697 O.35697 O.35697	B/A AZPHAZ INCO 0.653 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.862 -89.6 67.7 ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.653 -90.4 67.7 0.656 -99.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.653 -90.4 67.7 0.656 -89.6 67.7 C.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  B/A AZPHAZ INCO 0.853 -90.4 67.7 C.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 5 -10.346 -21.214  B/A AZPHAZ INCO 0.853 -90.4 67.7 0.863 -89.6 67.7	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.3 31.3 40.1 30.4 168  R 1778.769  PHAZ EMIS 178.769  PHAZ EMIS 39.3 31.5 40.1 30.4 168	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 2.6.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.8 1.49155 4- 5 26.8 1.49155 4- 5 26.8 1.49155 6- 7  POD SEQUENCE NO 957  V PTH AZ 2.589 -64.564 114.862  ALPHA SCALE PT-PT 2.589 -64.564 114.862  ALPHA SCALE PT-PT 2.589 -64.564 114.862  ALPHA SCALE PT-PT 2.589 -64.564 114.862
TRAJECTORY DATA  PHOTE DATA  PT LAT LCN 2 -10.734 -20.428 3 -10.711 -20.460 4 -10.710 -20.402 5 -10.761 -20.452 7 -10.711 -20.453 7 -10.711 -20.453 7 -10.711 -20.453 7 -10.711 -20.453 10.704 -20.453 10.705 -20.434 3 -10.705 -20.409 5 -10.755 -20.462 7 -10.707 -20.458 7 -10.708 -20.456  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTE	RANGE 55-11819 54-50916 55-31397 55-78834 54-96953 54-50916 25-81501 52-25134 25-81501 52-25134 25-81501 52-25134 25-81501 52-25134 25-81501 52-25134 25-81501 52-25134 25-81501 52-25134	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.0 8 -59.2 7 SEC 494 MS AZZ/C A -59.2 7 -60.6 8 -57.0 8 -59.2 7 -58.8 8 -59.2 7	SEC TO 20  ZN AZSUM: 1 -83.1 .9 -62.7 .3 -62.6 .4 -83.5 .0 -81.6 .9 -82.7  SEC TO 19  ZN AZSUM: 1 -83.1 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6 .0 -83.6	IMPACT .146  AZA 31.2 31.1 30.9 31.2 31.1  TAB NO  IMPACT .306  A7A 31.2 31.1  TAB NO  IMPACT .466  AZA 31.2 31.1  IMPACT .306	ALT 47.2393 C.38704 C.38270 C.38834 C.39167 O.385270 167 ALT 45.2767 A+ C.37101 O.36684 C.37225 C.37544 C.36684 C.35697 ALT 43.3134 A+ C.35697 O.35697 O.35697 O.35697 O.35697	B/A AZPHAZ INCO 0.653 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.862 -89.6 67.7 ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.653 -90.4 67.7 0.656 -99.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.653 -90.4 67.7 0.656 -89.6 67.7 C.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  B/A AZPHAZ INCO 0.853 -90.4 67.7 C.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 5 -10.346 -21.214  B/A AZPHAZ INCO 0.853 -90.4 67.7 0.863 -89.6 67.7	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.3 31.3 40.1 30.4 168  R 1778.769  PHAZ EMIS 178.769  PHAZ EMIS 39.3 31.5 40.1 30.4 168	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 26.8 1.53125 6- 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 2.6.8 1.15149 2- 3 28.5 1.66726 3- 4 28.2 1.49155 4- 5 26.8 1.49155 4- 5 26.8 1.49155 4- 5 26.8 1.49155 6- 7  POD SEQUENCE NO 957  V PTH AZ 2.589 -64.564 114.862  ALPHA SCALE PT-PT 2.589 -64.564 114.862  ALPHA SCALE PT-PT 2.589 -64.564 114.862  ALPHA SCALE PT-PT 2.589 -64.564 114.862
TRAJECTORY DATA  PHOTE DATA  PT LAT	RANGE 55.11819 54.50916 55.31397 55.78834 54.96953 54.50916 25 MIN 29 25 MIN 29 3.4275134 33.02259 53.47721 52.69256 52.25134 25 MIN 30 RANGE 50.55049 49.99218 50.75989	AZS/C A -58.8 8 -59.2 7 -60.6 8 -57.0 8 -59.2 7 SEC 494 MS AZZ/C A -59.2 7 -60.6 8 -57.0 8 -59.2 7 -58.8 8 -59.2 7	SEC TO 20  ZN AZSUM. 1 -83.1 9 -62.7 3 -62.6 4 -83.5 0 -83.6 .9 -82.7  SEC TO 19  N A76INA. 1 -83.1 9 -82.7  SEC TO 83.6 9 -82.7  SEC TO 83.6 1 -83.5 1 -83.5 2N AZSUM. 1 -83.1 2N AZSUM. 1 -83.1 2N AZSUM.	IMPACT .146  AZA 31.2 31.1 30.9 31.2 31.1  TAB NO  IMPACT .306  A7A 31.2 31.1  TAB NO  IMPACT .466  AZA 31.2 31.1  IMPACT .306	ALT 47.2393 C.38704 C.38270 C.38834 C.39167 O.385270 167 ALT 45.2767 A+ C.37101 O.36684 C.37225 C.37544 C.36684 C.35697 ALT 43.3134 A+ C.35697 O.35697 O.35697 O.35697 O.35697	B/A AZPHAZ INCO 0.653 -90.4 67.8 0.863 -89.6 67.7 0.550 -89.6 67.8 0.862 -89.6 67.7 ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.653 -90.4 67.7 0.656 -99.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  8/A AZPHAZ INCO 0.653 -90.4 67.7 0.656 -89.6 67.7 C.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 2 -10.333 -21.241  B/A AZPHAZ INCO 0.853 -90.4 67.7 C.863 -89.6 67.7  ATLAS PHOTO NO  LAT LON 5 -10.346 -21.214  B/A AZPHAZ INCO 0.853 -90.4 67.7 0.863 -89.6 67.7	R 1782.695  PHAZ EMIS 39.3 31.5 40.1 30.4 38.5 31.8 38.5 32.6 40.1 30.4 167  R 1780.732  PHAZ EMIS 39.3 31.3 40.1 30.4 168  R 1778.769  PHAZ EMIS 178.769  PHAZ EMIS 39.3 31.5 40.1 30.4 168	V PTH AZ 2.586 -64.600 114.872  ALPHA SCALE PT-PT 27.5 0. 1- 2 26.8 1.20136 2- 3 28.5 1.73942 3- 4 28.2 1.55610 4- 5 26.6 1.75752 5- 6 7  POD SEQUENCE NO 956  V PTH AZ 2.587 -64.582 114.867  ALPHA SCALE PT-PT 26.8 1.46775 6- 7  POD SEQUENCE NO 957  V PTH AZ 26.6 1.46775 6- 7  POD SEQUENCE NO 957

RA-VII CAMERA PZ

			·		. RA-VII	CAMERA	P2								29
JULY 31,1964 1	13 HR 25	MIN 31	SEC 174	MS.		TAB NO	169	ATLAS	РНОТО	NO	169		POD S	SEQUENCE N	958
TRAJECTORY DAT						IPPACI	ALT 41.34969	LAT	LO	IN		R	y	PTH	
PHOTO DATA							41.34969	-10.35	8 -21.	186	177	6.805	2.590	-64.546 11	4.857
PHOTO DATA PT LAT LO 2 -10.722 -20.	CN	RANGE	AZS/C	AZN	AZ SUN -23.1 -82.7	AZA	A* C+33892	B/A A	ZPHAZ	INCO	PHAZ	EMIS	ALPHA	SCALE	
2 -10.722 -20. 3 -10.701 -20.	.447 4	8.26482	-58.8	8.1	-63.1	31.2	C.33892 C.33511	0.853	-90.4	67.7	39.3	31.5	27.5	0. 1.05178	1-2
4 -10.700 -20	.475 4	.R.43603	-60.6	8.3	-82.6	31.0	0.34005	0.850	-89.6	67.8	38.5	31.8	28.5	1.52286	3- 4
5 -10.745 -20	.417 4	8.85112	-58.4	8.4	-83.5	31.2	0.34297	0.843	-91.5	67.8	38.5	32.6	28.2	1.52286	4- 5
6 -10.745 -20.	.4694	8.13477	-57.0	8.0	-83.6	31.4	0.33793	0.854	-91.4	67.7	40.1	31.2		1.53869	5- 6
7 -10.701 -20.	.476 4	7.73188	-59.2	7.9	-82.7	31.1 TAB NO	0.33511		-89.6 PHOTO			30.4	26.8 POD 9	1.34074 SEQUENCE N	
JULY 31,1964	13 HR 25	MIN 32	SEC 13	MS		IAB NU	170	AILAS	PHOTO	NO	170			PEÓSENSE IN	
TRAJECTORY DA	TA				SEC. IO	LPPACT.	. ALI	. LAI.	LC	:N		.B	¥	PTH -64.528 1	AZ
PHUTO DATA					16.	. 786	39.38525	-10.37	1 -21.	.158	177	4.841	2.591	-04.520 1	14.031
PT LAT LO	ON	RANGE	AZS/C	AZN	AZ SUN	AZA	Δ*	B/A A	ZPHAZ	INCD	PHAZ	EMIS	ALPHA	SCALE	PT-PT
2 -10.717 -20.	.454 4	5.97778	-58.8	8.1	-83.1	31.2	A* 0.32286	0.853	-90.4	67.7	39.3	31.5	27.5	0. 1.00188	1- 2
3 -10.698 -20.	.481 4	45.47022	-59.2	7.9	-82.7	31.1	0.31924	0.863	-89.6	67.7	40.1	30.4	26.8	1.00188	2- 3
5 -10.697 -20 5 -10.739 -20	4324	6.53615	-60.6	8.4	-83.5	1LaU .	C.32394	D.843	-89.6 - -91.5	67.8	38.5	12.6	28.2	1.45064	4- 5
6 -10.740 -20		15.85395	-57.0		-83.6		0.32191	0.856	-91.4	67.7	40.1	31.2	26.5	1.46568	5- 6
7 -10.698 -20		45.47022			-82.7		0.31924	0.863	-89.6	67.7	40.1	30.4	26.8	1.27724	6- 7
JULY 31,1964	13 HR 25	5 MIN 32	SEC 853	мs		TAB NO		ATLAS	S PHOTO				POD	SEQUENCE N	0 960
TRAJECTORY DA		2					ALT						v	PTH	AZ
					15.	946	37.42023	-10.38	14 -21	.130	17	72.876	2.592	-64.510 1	14.846
PHOTO DATA PT LAT LE	ri N	RANGE	A75/C	A 7 N	AZ SUN	AZA	A •	R/A A	ZPHAZ	INCE	DHA7	EMIS	AL PHA	SCALE	PT-PT
2 -10.713 -20	-460 4	43.68947	-58-8	8.1	-63.1		C.30679	C.853	-90.4	67.1	39.3	31.4	27_5	0	_1- 2
3 -10.695 -20	.486 4	43.20729	-59.2	7.9	-82.7	31.1	C.30335	0.863	-89.6	67.7	40.1	30.4	26.8	0.95190	2- 3
4 -10.694 -20	.440 4	43.84430	-60.6	8.3	-82.6 -83.5	31.0	C.30781	C.85C	-89.6	67.7	38.5	31.8	28.5	1.37833	3- 4
5 -10.734 -20	.433 4	44.21988	-58.4	8.4	-83.5	31.2	0.31045 0.30589	0.843	-91.5 -91.4	67.8	38.5	32.6	28.2	1.23327	5- 6
6 -10.734 -20 7 -10.695 -20	.486	43.57184 43.20729	-59.2	7.9	-83.6 -82.7	31.1	0.30335	0.863	-89.6	67.7	40.1	30.4	26.5 26.8	1.21353	
						TAB NO	172	ATLA:	S PHOTO	) NO	172		POD	SEQUENCE N	0 961
JULY 31,1964		5 MIN 33	SEC 693												
TRAJECTURY DA					SEC TO 15.	IPPACT	ALT 35.4544	LAT 5 -10.39	16 -21.	ON .102	17	70.910	2.59	PTH 3 -64.492 1	AZ 14.841
PHOTO DATA PT LAT t 2 -10.709 -20 3 -10.691 -20 4 -10.691 -20	ON	PANCE	A7576	A 7 N	AZ SIIN	A7 A	Δ.	H/A 4	A 7 PHA 7	INCD	PHA 7	FHIS	AI PHA	SCALE	PT-PT
2 -10.709 -20	.467 4	41.3996H	-58.8	8.1	-83.1	31.2	C.29071 0.28745	0.853	-90.4	67.7	39.3	31.4	27.5	0.	
3 -10.691 -20	.491	40.94286	-59.2	7.0						47 7	40.1	30.3			
4 -10.691 -20	.447	41.54633	-40 4	,	-82.7	31+1	0.28745	0.863	-89.6	01.1			26.8	0.90196	2-3
5 -10.729 -20			-60.6	8.3	-82.7 -82.6	31.0	0.28745 0.29168	0.85C	-89.6	67.7	38.5	31.8	28.4	1.30603	3- 4
	.441	41.90210	-58.4	0.4	-03.0			0.85C C.843	-89.6 -91.5	67.7	38.5	31.8	28.4	1.30603	3- 4
6 -10.729 -20 7 -10.691 -20	1.486	41.90216 41.28824 40.94286	-51.0	8.3 8.4 8.0 7.9	-83.6		0.28745 0.29168 0.29418 0.28986 0.28745	0.85C C.843	-89.6 -91.5	67.7	38.5	31.8	28.4	1.30603	3- 4 4- 5 5- 6
7 -10.691 -20	1.486 1.491	41.28824 41.28824 40.94286	-57.0 -59.2	8.0	-83.6 -82.7		0.28986	0.85C C.843 -0.856 C.863	-89.6 -91.5	67.7 67.7 67.7	38.5 38.5 40.1 40.1	31.8	28.4 28.2 26.5 26.8	1.30603	3- 4 4- 5 5- 6 6- 7
	1.486 1.491	41.28824 41.28824 40.94286	-57.0 -59.2	8.0 7.9	-83.6 -82.7	31.4 31.1 TAB NO	0.28986. 0.28745	0.85C C.843 _0.856 C.863	-89.6 -91.5 -91.4 -89.6 S PHOTO	67.7 67.7 67.7 67.7 NO	38.5 38.5 40.1 40.1	31.8 32.6 31.2 30.3	28.4 28.2 26.5 26.8 POD	1.30603 1.16863 1.31956 1.14993 SEQUENCE N	3- 4 4- 5 5- 6 6- 7
7 -10.691 -20  JULY 31,1964  TRAJECTORY DA	1.486	41.28824 41.28824 40.94286	-57.0 -59.2	8.0 7.9	-83.6 -82.7	31.4 31.1 TAB NO	0.28986. 0.28745	0.85C C.843 _0.856 C.863	-89.6 -91.5 -91.4 -89.6 S PHOTO	67.7 67.7 67.7 67.7 NO	38.5 38.5 40.1 40.1	31.8 32.6 31.2 30.3	28.4 28.2 26.5 26.8 POD	1.30603 1.16863 1.31956 1.14993	3- 4 4- 5 5- 6 6- 7
7 -10.691 -20  JULY 31,1964  TRAJECTORY DA	1.486 . 4 0.491 . 4 13 HR 2	41.28824 40.94286 5 MIN 34	-57.0 -59.2 SEC 533	8.Q 7.9	-83.6 -82.7 SEC TO	31.4 31.1 TAB NO	0.28986 0.28745 173	0.85C C.843 _0.856 0.863 ATLAS	-89.6 -91.5 -91.4 -89.6 S PHOTO	67.7 67.7 67.7 67.7 NO	38.5 38.5 40.1 40.1 173	31.8 32.6 31.2 30.3	28.4 28.2 26.5 26.8 POD	1.30603 1.16863 1.31956 1.14993 SEQUENCE N	3- 4 4- 5 5- 6 6- 7 00 962
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA	13 HR 2	41.28824 40.94286 5 MIN 34	-57.0 -59.2 SEC 533	8.Q 7.9	-83.6 -83.6 -82.7 SEC TO 14.	31.4 31.1 TAB NO	0.28986 0.28745 173 ALT 33.4881	0.85C C.843 -0.856 C.863 ATLAS	-89.6 -91.5 -91.4. -89.6 S PHOTO	67.7 67.7 67.7 67.7 NO ON .074	38.5 38.5 40.1 40.1 173	31.8 32.6 31.2 30.3	28.4 28.2 26.8 26.8 POD V 3 2.59	1.30603 1.16863 1.31956 1.14993 SEQUENCE N PTH 5 -64.474 1	3- 4 4- 5 5- 6 6- 7 00 962 AZ .14-835
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA PT LAT L 2 -10.705 -20	13 HR 21	41.28824. 40.94286 5 MIN 34 RANGE 39.10877	-57.0 -59.2 SEC 533	8.0 7.9 MS	-83.6 -82.7 SEC TO 14.	31.4 31.1 TAB NO IMPACT .266	28986. 0.28745 173 ALT 33.4881 A+ 0.27462	0.85C C.843 -0.856 C.863 ATLAS LAT 9 -10.46 B/A 0.853 0.863	-89.6 -91.5 -91.4_ -89.6 S PHOTO	67.7 67.7 67.7 67.7 ) NO	38.5 38.5 40.1 40.1 173	31.8 32.6 31.2 30.3 R 68.94	28.4 28.2 26.8 26.8 POD v 3 2.59	1.30603 1.16863 1.31956 1.14993 SEQUENCE N PTH 5 -64.474 1	3- 4 4- 5 5- 6 6- 7 0 962 AZ .14-835 PT-PT 1- 2 2- 3
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA  PT LAT L2  2 -10.705 -20  3 -10.688 -20  4 -10.687 -20	13 HR 21	41.28824. 40.94286 5 MIN 34 RANGE 39.10877 38.67733	-57.0 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.6	8.0 7.9 MS	-83.6 -82.7 SEC TO 14.	31.4 31.1 TAB NO IMPACT .266	28986. 0.28745 173 ALT 33.4881 A+ 0.27462	0.85C C.843 -0.856 C.863 ATLAS LAT 9 -10.46 B/A 0.853 0.863	-89.6 -91.5 -91.4_ -89.6 S PHOTO	67.7 67.7 67.7 67.7 NO ON .074 INCE 67.7 67.7	38.5 38.5 40.1 40.1 173	31-8 32-6 31-2 30-3 R 68-94 EMIS 31-4 30-3	28.4 28.2 26.5 26.8 POD V 2.59 ALPHA 27.5 26.8 28.4	1.30603 1.16863 1.31958 1.14993 SEQUENCE N PTH 5-64.474 1 SCALE 0. 0.85201 1.2336	3- 4 4- 5 5- 6 6- 7 0 962 AZ .14-835 PT-PT 1- 2 2 2 3 4
7 -10.691 -20  JULY 31.1964  TRAJECTORY OA  PHOTC DATA  PT LAT L 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 5 -10.723 -20	0.473	RANGE 39.10877 38.6773 39.24722 39.56328	-57.0 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.6 -58.4	8.0 7.9 MS AZN 8.1 7.9 8.3	-83.5 -82.7 SEC TO 14. AZSUN -83.1 -82.7 -82.6	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0	0.28986 0.28745 173 ALT 33.4881 A. 0.27462 0.27154 C.277590	0.85C 0.843 0.856 0.863 ATLAS ATLAS 0.853 0.853 0.853 0.850 0.843	-89.6 -91.5 -91.4 -89.6 S PHOTO	67.7 67.7 67.7 67.7 NO ON .074 INCD 67.7 67.7	38.5 38.5 40.1 40.1 173	31-8 32-6 31-2 30-3 R 68-94 EMIS 31-8 31-8	28.4 28.2 26.5 26.8 POD V 3 2.59 ALPHA 27.5 26.8 28.4 26.2	1.30603 1.16862 1.31958 1.14993 SEQUENCE N PTH 5 -64.474 1 SCALE 0. 0.85201 1.2336 1.10399	3- 4 4- 5 5- 6 6- 7 80 962 AZ .14-835 PT-PT 1- 2 2- 3 7 3- 4- 5
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA  PT LAT	0N 0.473 0.496 0.4491	41.28824 40.94286 5 MIN 34 RANGE 39.10877 38.67733 39.24722 39.56328	-57.0 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.6 -58.4	8.0 7.9 MS AZN 8.1 7.9 8.3	-83.5 -82.7 SEC TO 14. AZSUN -83.1 -82.7 -82.6	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0	0.28986. 0.28745 173 ALT 33.4881 A+ 0.27462 0.27154 C.27554 0.27790	0.856 0.856 0.863 ATLA: 0.863 0.863 0.863 0.863 0.863 0.863	-89.6 -91.5 -91.4 -89.6 S PHOTO 09 -21 AZPHAZ -90.4 -89.6 -89.5 -91.5	67.7 67.7 67.7 67.7 NO ON .074 INCE 67.7 67.7 67.7	38.5 38.5 40.1 40.1 173	31.8 32.6 31.2 30.3 R 68.94 EMIS 31.4 30.3 31.8 32.6 31.2	28.4 28.2 26.5 26.8 POD V 2.59 ALPHA 27.5 26.8 28.4 26.5	1.30603 1.16862 1.31956 1.14992 SEQUENCE N PTH 5 -64.474 1 SCALE 0. 0.85201 1.2336	3- 4- 5 4- 5 5- 6 6- 7 10 962 AZ .14-835 PT-PT 1- 2 2- 3 7 3- 4 8- 5 5- 5- 6
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTE DATA  PT LAT L 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 5 -10.723 -20 6 -10.724 -20 7 -10.688 -20	13 HR 2:  13 HR 2:  1473  1496  1496	RANGE 39.10877 38.67733 39.24722 39.00354 38.67733	-58.4 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.4 -57.0 -59.2	8.0 7.9 MS AZN 8.1 7.9 8.3 8.4 8.0 7.9	-83.6 -82.7 SEC TO 14. AZ SUN -83.1 -82.7 -83.6 -83.6 -83.6	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0 31.2 31.4 31.1	0.28986. 0.28745 173 ALT 33.4881 A+ 0.27462 0.27154 C.27554 0.27154 0.27382 0.27154	0.85C C.843 ATLA: ATLA: 9 -10.46 8/A / 0.853 0.863 0.863 0.863 0.863 0.863	-89.6 -91.5 -91.489.6 S PHOTO 09 -21 AZPHAZ -90.4 -89.6 -91.5 -91.4 -89.6	67.7 67.7 67.7 67.7 ) NO CN .074 INCE 67.7 67.7 67.7	38.5 38.5 40.1 173 173 173 173 174 173 174 174 175 176 177 178 178 178 178 178 178 178 178 178	31.8 32.6 31.2 30.3 R 68.94 EMIS 31.4 30.3 31.8 32.6 31.2	28.4 28.2 26.5 26.8 POD V 3 2.59 ALPHA 27.5 26.8 28.4 26.2 26.5	1.30603 1.16863 1.31956 1.14993 SEQUENCE N PTH 5 -64.474 1 SCALE 0. 0.85201 1.2336 1.10399 1.2464;	3- 4 4- 5 5- 6 6- 7 10 962 AZ .14.835 PT-PT 1- 2 2- 3 7 3- 4 3 4- 5 5 5- 6 3 6- 7
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTE DATA  PT LAT L 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 5 -10.723 -20 6 -10.724 -20 7 -10.688 -20	13 HR 2:  13 HR 2:  1473  1496  1496	RANGE 39.10877 38.67733 39.24722 39.00354 38.67733	-58.4 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.4 -57.0 -59.2	8.0 7.9 MS AZN 8.1 7.9 8.3 8.4 8.0 7.9	-83.6 -82.7 SEC TO 14. AZ SUN -83.1 -82.7 -83.6 -83.6 -83.6	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0 31.2 31.4 31.1	0.28745 0.28745 173 ALT 33.4881 0.27462 0.27154 C.27554 C.27554 0.27382 0.27154	0.85C C.843 ATLA: ATLA: 9 -10.46 8/A 0.853 0.863 0.863 0.863 0.863 ATLA:	-89.6 -91.5 -91.4 -89.6 S PHOTO 09 -21 AZPHAZ -90.4 -89.6 -89.5 -91.5 -91.5 -91.6 S PHOTO	67.7 67.7 67.7 67.7 NO ON .074 INCD 67.7 67.7 67.7 67.7	38.5 38.5 40.1 40.1 173 17 PHAZ 39.3 40. 38.5 40.1 40.1	31.8 32.6 31.2 30.3 R 68.94 EMIS 31.4 30.3 31.4 30.3 31.2 30.3	28.4 28.2 26.8 26.8 POD V 2.59 ALPHA 27.5 26.8 28.4 26.2 26.5 26.8	1.30603 1.16863 1.31955 1.14993 SEQUENCE N 5 -64.474 1 SCALE 0.6520 1.2336 1.10391 1.2464 1.0863 SEQUENCE N	AZ 14.835 PT-PT 1-2 2-3 3 4-5 5-6 3 6-7 40 963
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA  PT LAT	13 HR 2: 13 HR 2: 13 HR 2: 1473 1496 1455 1496 1491 1496	RANGE 39.10877 38.67733 39.24722 39.00354 38.67733	-58.4 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.4 -57.0 -59.2	8.0 7.9 MS AZN 8.1 7.9 8.3 8.4 8.0 7.9	-83.6 -82.7 SEC TO 14. AZSUN -83.1 -82.7 -82.6 -83.5 -83.5	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0 31.2 31.1 TAB NO	0.28745 0.28745 173 ALT 33.4881 0.27462 0.27154 C.27554 C.27554 0.27382 0.27154	0.85C C.843 ATLA: ATLA: 9 -10.46 8/A 0.853 0.863 0.863 0.863 0.863 ATLA:	-89.6 -91.5 -91.4 -89.6 S PHOTO 09 -21 AZPHAZ -90.4 -89.6 -89.5 -91.5 -91.5 -91.6 S PHOTO	67.7 67.7 67.7 67.7 NO ON .074 INCD 67.7 67.7 67.7 67.7	38.5 38.5 40.1 40.1 173 17 PHAZ 39.3 40. 38.5 40.1 40.1	31.8 32.6 31.2 30.3 R 68.94 EMIS 31.4 30.3 31.4 30.3 31.2 30.3	28.4 28.2 26.8 26.8 POD V 2.59 ALPHA 27.5 26.8 28.4 26.2 26.5 26.8	1.30603 1.16863 1.31955 1.14993 SEQUENCE N 5 -64.474 1 SCALE 0.6520 1.2336 1.10391 1.2464 1.0863 SEQUENCE N	AZ 14.835 PT-PT 1-2 2-3 3 4-5 5-6 3 6-7 40 963
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA PT LAT L 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 5 -10.723 -20 6 -10.724 -20 7 -10.688 -20  JULY 31.1964  TRAJECTORY DATA	13 HR 2: 10 N 1473 1476 1476 1496 1496 1496 1499 1491 1496 1496 1491 1496 1496 1491 1496 1491 1496 1491 14	RANGE 39-1034 80-74286 5 MIN 34 80-7733 39-24722 39-50328 39-50328 39-50328 39-50328 39-50328	AZS/C -59.2 SEC 533 AZS/C -58.8 -59.2 -60.6 -58.4 -57.0 -59.2 SEC 373	8.0 7.9 MS AZN 8.1 7.9 8.3 8.4 8.0 7.9	-83.5 -82.7 SEC TO 14. AZ SUN -83.1 -82.7 -82.6 -83.5 -83.5 -82.7	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0 31.2 31.1 TAB NO	0.28745 0.28745 173 ALT 33.4881 0.27462 0.27154 C.27579 0.27382 0.27154 174	0.85C C.843 -0.856 C.863 ATLA: 9 -10.46 0.853 0.853 0.853 0.853 0.853 0.853 0.853 0.853 0.853 0.853	-89.6 -91.5 -91.4 -89.6 S PHOTO  AZPHAZ -90.4 -89.5 -91.5 -91.5 -91.5 S PHOTO	67.7 67.7 67.7 67.7 ) NO CN .074 INCE 67.7 67.7 67.7 67.7 67.7 0 NO	38.5 38.5 40.1 40.1 173 17 PHAZ 39.3 40.1 38.5 38.5 40.1 40.1	31.8 32.6 31.2 30.3 R 68.94 EMIS 31.4 30.3 31.8 31.8 31.2 30.3	28.4 28.2 26.5 26.8 POD V 3 2.59 ALPHA 27.5 26.8 26.5 26.8 POD	1.30603 1.16863 1.31955 1.14993 SEQUENCE N 5 -64.474 1 SCALE 0.6520 1.2336 1.10391 1.2464 1.0863 SEQUENCE N	AZ 14-55-66-7 100 962 AZ 114-835 PT-PT 1-2-3 7-3-4-5 3-4-5 3-6-7 100 963 AZ 114-830
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA  PT LAT 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 5 -10.723 -20 6 -10.724 -20 7 -10.688 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA	.491 4.491 4.491 4.491 4.495 4.495 4.495 4.495 4.496 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4	RANGE 39-10877 38-67733 39-24722 39-56328 38-67733 5-67733	-51.0 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.6 -58.4 -57.0 -59.2	8.0 7.9 MS AZN 8.1 7.9 8.3 8.4 8.0 7.9	-83.5 -82.7 SEC TO 14.1 -83.1 -82.7 -62.6 -83.5 -83.5 -82.7	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0 31.2 31.4 31.1 TAB NO	0.28745 0.28745 173 ALT 33.4881 A+ 0.27462 0.27154 C.27550 0.27382 0.27154 174 ALT 31.5215	0.85C C.843 -0.856 0.863 ATLAS 9 -10.46 8/A 0.853 0.863 0.863 ATLAS LAT 0 -10.4	-89.6 -91.5 -91.4 -89.6 S PHOTO  O9 -21  AZPHAZ -90.4 -89.6 -89.5 -91.5 -91.5 -91.5 -91.5 -91.5 -91.4 -89.6	67.7 67.7 67.7 67.7 NO ON .074 INCE 67.7 67.7 67.7 67.7 67.7 67.7	38.5 38.5 40.1 173 173 173 174 174 174	31.8 32.6 31.2 30.3 R 68.94 EMIS 31.4 30.3 31.8 32.6 31.2	28.4 28.2 26.5 26.8 POD 3 2.59 ALPHA 27.5 26.8 26.2 26.5 26.5 9 POD	1.30603 1.16863 1.31955 1.14993 SEQUENCE N 5 -64.474 1 5 CALE 0. 0.85200 1.2336 1.10391 1.24644 1.0863 SEQUENCE N	AZ AZ AZ AZ AZ AZ AZ AZ AZ AZ
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA  PT LAT 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 5 -10.723 -20 6 -10.724 -20 7 -10.688 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA	.491 4.491 4.491 4.491 4.495 4.495 4.495 4.495 4.496 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4	RANGE 39-10877 38-67733 39-24722 39-56328 38-67733 5-67733	-51.0 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.6 -58.4 -57.0 -59.2	8.0 7.9 MS AZN 8.3 8.4 8.0 7.9	-83.5 -82.7 SEC TO 14. AZ SUN -83.1 -62.7 -83.5 -83.6 -82.7 SEC TO 13.1 AZ SUN -83.1	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0 31.2 31.4 31.1 TAB NO	0.28745 0.28745 173 ALT 33.4881 0.27462 0.27154 C.27554 C.27590 0.27382 0.27154 174 ALT 31.5215 Ae 0.22653	0.850 C.843 O.856 O.863 ATLA: 9 -10.40 8/A 0.853 0.853 0.853 O.863 O.863 O.863 O.863 O.863 O.856 O.863 O.863 O.856 O.863	-89.6 -91.5 -91.4 -89.6 S PHOTO  L 09 -21  AZPHAZ -90.4 -89.5 -91.5 -91.5 -91.5 S PHOTO  L 22 -21  AZPHAZ -90.4	67.7 67.7 67.7 67.7 0 NO CN .074 INCE 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.	38.5 38.5 40.1 40.1 173 17 PHAZ 39.3 40.1 40.1 174	31.8 32.6 31.2 30.3 8 68.94 EMIS 31.4 30.3 31.8 32.6 31.2 30.3	28.4 28.2 26.8 POD V 2.59 ALPHA 26.8 26.8 26.5 26.8 POD V 7 2.59	1.30603 1.16863 1.31955 1.14993 SEQUENCE N 5 -64.474 1 5 CALE 0. 0.85200 1.2336 1.10391 1.24644 1.0863 SEQUENCE N	AZ AZ AZ AZ AZ AZ AZ AZ AZ AZ
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTE DATA  P1 LAT 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 5 -10.723 -20 6 -10.724 -20 7 -10.688 -20  JULY 31.1964  TRAJECTORY DA  PHOTE DATA	.491 4.491 4.491 4.491 4.495 4.495 4.495 4.495 4.496 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4.406 4	RANGE 39-10877 38-67733 39-24722 39-56328 38-67733 5-67733	-51.0 -59.2 SEC 533 AZS/C -58.8 -59.2 -60.6 -58.4 -57.0 -59.2	8.0 7.9 MS AZN 8.3 8.4 8.0 7.9	-83.5 -82.7 SEC TO 14. AZ SUN -83.1 -62.7 -83.5 -83.6 -82.7 SEC TO 13.1 AZ SUN -83.1	31.4 31.1 TAB NO IMPACT .266 AZA 31.2 31.1 31.0 31.2 31.4 31.1 TAB NO	0.28986. 0.28745 173 ALT 33.4881 A* 0.27462 0.27154 C.27554 0.27382 0.27154 174 ALT 31.5215 A* 0.25853 0.25853	0.85C C.843 -0.856 0.863 ATLA: 9 -10.46 -0.863 0.863 0.863 0.864 0.863 ATLA: 0 -10.4	-89.6 -91.5 -91.4 -89.6 S PHOTO 09 -21 AZPHAZ -90.4 -89.5 -91.5 -91.5 -91.5 S PHOTO	67.7 67.7 67.7 67.7 67.7 07.0 1NCC 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67	38.55 -90.1 40.1 173 17 PHAZ 39.3 40.1 38.5 40.1 174	31.8 32.6 31.2 30.3 R 68.94 EMIS 31.4 30.3 31.8 31.8 31.8 31.8 31.8 31.8 31.8 31	28.4 28.2 26.5 26.8 POD 3 2.59 ALPHA 27.5 26.2 26.5 26.8 POD 7 2.59 ALPHA 27.5 26.8	1.30603 1.16863 1.31955 1.14993 SEQUENCE N 5 -64.474 1 5 -64.474 1 0.8520 1.2336 1.10391 1.2464 1.0863 SEQUENCE N 6 -64.456	AZ 14-56-7 10 962 AZ 14-835 PT-PT 1-22-3 7-3-4-56-5-6-7 10 963 AZ 114-830 PT-PT 1-22-3 7-3-4-5-6-7 10 963
7 -10.691 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA PT LAT L 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 7 -10.688 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA PT LAT L 2 -10.700 -20 3 -10.685 -20 4 -10.685 -20 4 -10.685 -20 5 -10.718 -20	13 HR 2:  13 HR 2:  13 HR 2:  1491  1473  1496  1496  13 HR 2:  1480  1480  1480  1480  1480  1480  1480	RANGE 39-104733 39-24722 39-00354 38-67733 39-24722 39-00354 38-67733 5-MIN 35	AZS/C -58.8 -59.2 -60.6 -58.4 -57.2 SEC 373	AZN 8.0 7.9 MS AZN 8.1 7.9 MS	-83.5 -82.7 SEC TO 14.1 AZ SUN -83.1 -62.7 -83.5 -83.5 -83.5 -83.5 -83.7 SEC TO 13.1 -82.7 -83.1	31.4 31.1 TAB NO IMPACT.266 AZA 31.2 31.1 31.0 31.2 31.4 31.1 TAB NO IMPACT.426 AZA 31.2 31.1 31.0 31.2	0.28745 173 ALT 33.4881 A* 0.27462 0.27154 C.27554 C.27554 174 ALT 31.5215 A* 0.25853 0.25853 0.25853 0.25853	0.850 C.843 O.856 O.856 ATLA: 9 -10.40 B/A O.853 O.863 O.863 ATLA: 0 -10.4 B/A O.853 O.863 O.863 O.863 O.863 O.863 O.863	-89.6 -91.5 -91.4 -89.6 S PHOTO 09 ~21 AZPHAZ -90.4 -89.5 -91.5 -91.4 -89.6 S PHOTO AZPHAZ -90.4 -89.6 -89.5 -91.5 -89.6	67.7 67.7 67.7 67.7 67.7 0 NO CN .074 1NCE 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.	38.55 40.1 173 177 PHAZZ 39.55 40.1 174 174 177 174 177 1738.5	31.8 32.6 31.2 30.3 30.3 R 8 8.6 8.9 9.3 31.4 31.8 31.2 30.3 31.2 30.3 31.2 30.3 31.2 31.2 30.3	28.4 28.2 26.5 26.8 POD 3 2.59 ALPHA 27.5 26.8 26.5 26.5 26.5 7 2.59 ALPHA 28.4 26.5 26.5 26.5 26.8 26.5 26.8 26.5 26.8	1.30603 1.16863 1.31956 1.14992 SEQUENCE N  PTH 5 -64.4774 1.0863 1.10393 PTH 6 -64.456 SCALE 0. 0.8520 1.1031 1.0803	AZ 14-56-7 10 962 AZ 14-835 PT-PT 1-2 2-3 3-4-5 5-5-6 3-5-6 3-7 114-830 PT-PT 1-2 114-830 PT-PT 1-2 1-3 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3
7 -10.691 -20  JULY 31.1964  TRAJECTORY OA  PHOTO DATA PT LAT 2 -10.705 -20 3 -10.688 -20 4 -10.687 -20 6 -10.724 -20 7 -10.688 -20  JULY 31.1964  TRAJECTORY DA  PHOTO DATA PT LAT 2 -10.700 -20 3 -10.685 -20 4 -10.685 -20	13 HR 2:  13 HR 2:  1473  1491  1491  1491  1491  1491  1491  1491  1491  1491  1491  1491  1491  1491  1491  1491  1491  1491	RANGE 39-1035-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-4107133-41071	AZS/C -58.8 -59.2 -60.5 -59.2	AZN 8.0 7.9 MS AZN 8.1 7.9 MS	SEC TO 14.  AZSUN -83.1 -82.6 -83.5 -83.6 -82.7  SEC TO 13.1 AZSUN 13.1 -82.7  SEC TO 13.1 AZSUN 13.1 -82.6 -83.5  -83.5 -83.6 -83.5  -83.5 -83.5  -83.5 -83.5  -83.5 -83.5  -83.5 -83.5  -83.5 -83.5  -83.5 -83.5  -83.5 -83.5	31.4 31.1 TAB NO IMPACT.266 AZA 31.2 31.1 31.0 31.2 31.4 31.1 TAB NO IMPACT.426 AZA 31.2 31.1 31.0 31.2	0.28986. 0.28745 173 ALT 33.4881 A* 0.27462 0.27154 C.27554 0.27382 0.27154 174 ALT 31.5215 A* 0.25853 0.25853	0.850 C.843 0.856 0.856 ATLA: 9 -10.40 0.853 0.853 0.856 0.843 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856 0.863 0.856	-89.6 -91.5 -91.4 -89.6 S PHOTO  09 -21  AZPHAZ -90.4 -89.6 -89.6  S PHOTO  22 -21  AZPHAZ -90.4 -89.6 -89.6 -91.5 -91.5 -91.5 -91.5	67.7 67.7 67.7 67.7 67.7 0 NO CN .074 67.7 67.7 67.7 67.1 67.1 67.1 67.1 67.7 67.7	38.55 40.1 40.1 173 17 17 17 17 17 17 17 17 17 17 17 17 17	81.8 31.2 30.3 30.3 8 8 68.94 531.4 30.3 31.2 30.3 31.2 31.2 30.3 31.2 31.2 30.3	28.4 28.2 26.5 26.8 POD V 3 2.59 ALPHA 27.5 26.8 POD V 7 2.59 ALPHA 27.5 26.8 26.5 26.8 26.8 26.5 26.8 26.8 26.8 26.8 26.8 26.8 26.8 26.8	1.30603 1.16863 1.31956 1.14993 SEQUENCE N 5 -64.474 5 -64.474 5 CALE 0. 0.45201 1.2336 1.10391 1.2464 1.0863 SEQUENCE N PTH 6 -64.456 SCALE 0. 0.8020 1.1613 1.0392 1.1733	3-4 4-5-6-7 10 962 14-835 PT-PT 1-2-3-4-6 3-3-5-6-6 3-6-7 114-830 PT-PT 1-2-3-1 114-830 PT-PT 1-2-3-4-6-4-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6

	-		RA-VII CAMERA	P2			
			TAB NO	175	ATLAS PHOTO NO	175	POD SEQUENCE NO 964
JULY 31,1964 13 HR	25 MIN 36 SEC 213	24					
TRAJECTORY DATA			SEC TO IMPACT 12.586	20 55390 .	LAT LON -10-435 -21-018	R 1765-009	V PTH AZ 2.597 -64.438 114.825
PHOTO DATA PT LAT LON 2 -10.696 -20.486 3 -10.682 -20.507	PANCE A75/C		AZ SUN AZ A	A+ 1	B/A AZPHAZ INCU		
2 -10.696 -20.486	34.52310 -58.8	8.1	-83.1 31.2	0.24242 0	.853 -90.4 67.7 .863 -89.6 67.7	39.3 31.4	27.5 0. 1-2
3 -10.682 -20.507 4 -10.681 -20.470	34.14241 -59.2	7.9	-82.7 31.1	0.23971 0	.863 -89.6 67.7	40.1 30.3	26.8 0.75207 2- 3
5 -10.713 -20.465	34.64521 -60.5 34.94173 -58.4	8.3	-82.6 31.0 -83.5 31.2	0.24323 0.		38.5 31.8 38.5 32.5	28.4 1.08888 3- 4 28.1 0.97439 4- 5
6 -10.713 -20.502	34.43027 -51.0	B.O	-83-6 31-4	C.24172 G	.856 -91.4 b1.7.	40.1 31.2	26.5 1.10017 5- 6
7 -10.682 -20.507	34.14241 -59.2	7.9	-82.7 31.1	0.23971 0			
JULY 31,1964 13 HR	25 MIN 37 SEC 53	MS	TAB NO	176	ATLAS PHOTO NO	176	POD SEQUENCE NO 965
TRAJECTURY DATA		2	LEC.TO IMPACI	AL L	LAT LON	R	V PTH AZ
PHOTO DATA			11.746	27.58588	-10.448 -20.990	1763.041	2.598 -64.420 114.819
PT LAT LCN	RANGE AZS/C	AZN	AZ SUN AZ A	A =	8/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
PT LAT LCN 2 -10-692 -20-493	32.2837 -58.8	8.1	-83.1 31.2	0.22631 C	.853 -90.4 67.7	39.3 31.4	27.5 0. 1-2
3 -10.678 -20.512	31.87308 -59.2	7.9	-82.7 31.1		.863 -89.6 67.7		
4 -10.677 -20.478 5 -10.707 -20.473	32.34232 +60.5 32.61905 +58.4		-82.6 31.0 -83.5 31.2	0-22901 0	.851 -49.5 67.7 .843 -91.5 67.7	38-5 32-5	78.4 1.01643 3- 4 28.1 0.90954 4- 5
6 -10.707 -20.508	32.14175 -57.0	8.0	-63.6 31.4	0.22565 0	.856 -91.4 67.7	40.1 31.1	26.5 1.02697 5- 6
7 -10.678 -20.512	31.87308 -59.2	7.9	-82.7 31.1	0.22377 0	.863 -89.6 67.7	40.1 30.3	26.8 0.89520 6- 7
			TAB NO	177	ATLAS PHOTO NO	177	POD SEQUENCE NO 966
JULY 31:1964 13 HR	25 MIN.37SEC 893	ZM			_ · · · · · -		
TRAJECTORY DATA		;	SEC TO IMPACT 10.906	ALT	LAT LCN	. R	V PTH AZ 2.599 ~64.401 114.814
PHOTO DATA							
PT LAT LON 2 -10-687 -20-500 3 -10-675 -20-518	RANGE AZS/C	AZN	AZ SUN AZ A	A+	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.687 -20.500 3 -10.675 -20.518	29.93224 -58.8 29.60234 -59.2	8_1	-62.7 31.2	C.21018 0	.854 -90.4 67.7	39.3 31.4	27.5 0. 1- 2 26.8 0.65202 2- 3
4 -10.674 -20.486	30.03862 -60.5	1 . 7	-82.6 31.0	0 + 2 0 1 0 5		38.5 31.7	28.4 0.94398 3-4
5 -10.702 -20.481	30.29500 -58.4		-83.5 31.2	C-21269 C	.843 -91.5 67.7	38.5 32.5	28.1 0.84488 4-5
6 -10.702 -20.513	29.85182 -57.0	8.0	-63.6 31.4	0.20957 0		40.1 31.1	26.5 0.95373 5- 6
7 -10.675 -20.518	29.60234 -59.2		-82.7 31.1	0.20783 0		40.1 30.3	
JULY 31,1964 13 HR	25 MIN 38 SEC 73	MS.	TAB NO	178	ATLAS PHOTO NO	178	POD SEQUENCE NO 967
TRAJECTORY DATA			SEC TO IMPACT	ALT	LAT LCN	R	V PTH AZ
PHOTO DATA			10.066	23.64793	-10.473 -20.933	1759-103	2.600 -64.383 114.808
PT LAT LON	RANGE AZS/C	AZN	AZSUN AZA	Δ.	8/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.683 -20.506	27.63490 -58.8	8 • T	-83.1 31.2				
3 -10.671 -20.523	27.33040 -59.2		-82.7 31.1	0.19188 0	.863 -89.6 67.7 .851 -89.5 67.7	40.1 30.3	26.8 0.60193 2- 3
4 -10.671 -20.494 5 -10.696 -20.489	27.73250 -60.5 27.96971 -58.4		-82.6 31.0 -83.5 31.2	0.19470 0	.851 -89.5 67.7 .843 -91.5 67.7	38-5 31-7	28.4 0.87147 3- 4
6 -10.696 -20.519	27.56067 -57.0						20 1 0 70002 4- 6
7 -10.671 -20.523			-83.6 31.4				28.1 0.78003 4- 5
	27.33040 -59.2	7.9	-83.6 31.4 -82.7 31.1		.856 -91.4 67.7		28.1 0.78003 4- 5 26.5 0.88048 5- 6
	27.33040 -59.2	7.9	-83.6 31.4 -82.7 31.1 TAB NO	C.19349_0 O.19188_C	.856 -91.4 67.7	40.1 31.1	28.1 0.78003 4- 5 26.5 0.88048 5- 6
JULY 31,1964 13 HR		7.9 3 MS	-82.7 31.1 TAB NO	0.19349_0 0.19188_0 179	.856 -91.4 67.7 .863 -89.6 67.7	40.1 31.1	28.1 0.78003 4- 5 26.5 0.88048 5- 6 26.8 0.76758 6- 7
JULY 31,1964 13 HR TRAJECTORY DATA		7.9 3 MS	-82.7 31.1  TAB NO	C.19349_G C.19168 C 179	.856 -91.4 67.7 .863 -89.6 67.7	40.1 31.1 40.1 30.3 179	28-1 0.78003 4-5 26-5 0.88048 5-6 26-8 0.76758 6-7 POD SEQUENCE NO 968
TRAJECTORY DATA	25 MIN 39 SEC 57.	7.9 3 MS	TAB NO SEC TO IMPACT 9.226	C.19349_0 0.19188 C 179 ALT 21.67807	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO LAT LCN -10.486 -20.905	40.1 31.1 40.1 30.3 179 R 1757.133	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7 POD SEQUENCE NO 968 V PTH AZ 2.602 -64.365 114.803
TRAJECTORY DATA PHOTO DATA PT LAT LON	25 MIN 39 SEC 57.	7.9 3 MS	TAB NO SEC TO IMPACT 9.226	C.19349 Q 0.19188 C 179 ALT 21.67807	.855 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO LAT LCN -10.486 -20.905	40.1 31.1 40.1 30.3 179 R 1757.133 PHAZ ÉMIS	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513	25 MIN 39 SEC 57.	7.9 3 MS	TAB NO SEC TO IMPACT 9.226	C.19349_0 0.19188 C 179  ALT 21.67807	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO LAT LCN -10.486 -20.905 R/A A7PHAZ INCD .854 -90.4 67.7	40.1 31.1 40.1 30.3 179 R 1757.133 PHAZ ÉMIS 39.3 31.4	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT
TRAJECTORY DATA PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.561	25 MIN 39 SEC 57.  KANUE 4424C 25.33621 -58.8 25.05710 -59.2 25,42566 -60.5	7.9 3 MS 8.1 7.9 8.3	-82.7 31.1 TAB NO SEC TO IMPACT 9.226 -83.1 31.2 -82.7 31.2 -82.7 31.2	C.19349_0 0.19188 C 179  ALT 21.67807  A- C.17791 0 C.17792 0 0.17850 0	.855 -91.4 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905  R/A A7PHAZ INCD .854 -90.4 67.7 .863 -89.6 67.7	40.1 31.1 40.1 30.3 179 R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 38.5 31.7	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 2/.3 0.55177 2-3 28.4 0.75802 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.501 5 -10.691 -20.498	25 MIN 39 SEC 57.  KANUE A437C 25.33621 -58.8 25.05710 -59.2 25.42566 -60.5 25.64307 -58.4	7.9 3 MS 8.1 7.9 8.3 8.3	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  -83.1 31.2 -82.7 31.2 -62.7 31.2 -83.5 31.0 -83.5 31.2	C.19349 0 0.19188 C 179 ALT 21.67807 	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO LAT LCN -10.486 -20.905 R/A A7PHAZ INCD .854 -90.4 67.7 .851 -89.5 67.7 .851 -89.5 67.7	40.1 31.1 40.1 30.3 179 R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64,365 114.803  ALPHA SCALE PT-PT 2/.0 U.55177 2-3 28.4 0.79892 3-4 28.1 0.71508 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.551 5 -10.691 -20.498 6 -10.691 -20.525	25 MIN 39 SEC 57.  KANGE	7.9 8.1 7.9 8.3 8.3	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  ALCON: 424 -83.1 31.2 -82.7 31.2 -82.3 31.0 -83.5 31.2 -83.6 31.3	C.19349 G 0.19188 C 179 ALT 21.67807 A.C.17791 O C.17792 O C.17795 O O.18003 O C.1739 O	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905  R/A A7PHAZ INCD .854 -90.4 67.7 .851 -89.6 67.7 .851 -89.5 67.7 .853 -91.5 67.7	40.1 31.1 40.1 30.3 179 R 1757.133 PHAZ EMIS 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 27.5 U. 12.2 26.8 0.55177 2-3 28.4 0.79892 3-4 28.1 0.71508 4-5 26.5 0.8071,7 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.501 5 -10.691 -20.498	25 MIN 39 SEC 57.  KANUE A437C 25.33621 -58.8 25.05710 -59.2 25.42566 -60.5 25.64307 -58.4	7.9 8.1 7.9 8.3 8.3	-82.7 31.1  TAB NO SEC TO IMPACT 9.226  -83.1 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2	C.19349 C 0.19168 C 179 ALT 21-67807 A- C.17791 O C.17792 O C.17792 O C.17792 O C.17739 O C.17592 O	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905  R/A A7PHAZ INCD .854 -90.4 67.7 .863 -89.6 67.7 .851 -89.5 67.7 .853 -91.4 67.7 .863 -89.6 67.7	R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 27.0 U.55177 2-3 28.4 0.79892 3-4 28.1 0.71508 4-5 26.5 0.8071,7 5-6 26.8 0.70366 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.551 5 -10.691 -20.498 6 -10.691 -20.525	25 MIN 39 SEC 57.  RANGE 25.33621 -58.8 25.05710 -59.2 25.42566 -60.5 25.64307 -58.4 25.26819 -57.0 25.05710 -59.2	7.9 8.1 7.9 8.3 8.3 8.0 7.9	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  A250: A2.4 -83.1 31.2 -82.7 31.2 -82.7 31.2 -83.5 31.2 -83.6 31.4 -82.7 31.2 TAB NO	C.19349 C 0.19168 C 179 ALT 21-67807 A- C.17791 O C.17792 O C.17792 O C.17792 O C.17739 O C.17592 O	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905  R/A A7PHAZ INCD .854 -90.4 67.7 .851 -89.6 67.7 .851 -89.5 67.7 .853 -91.5 67.7	R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 27.5 U. 12.2 26.8 0.55177 2-3 28.4 0.79892 3-4 28.1 0.71508 4-5 26.5 0.8071,7 5-6
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.561 5 -10.691 -20.498 6 -10.691 -20.525 7 -10.668 -20.528	25 MIN 39 SEC 57.  RANGE 25.33621 -58.8 25.05710 -59.2 25.42566 -60.5 25.64307 -58.4 25.26819 -57.0 25.05710 -59.2	7.9 8.1 7.9 8.3 8.3 8.0 7.9	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  -83.1 31.2 -82.7 31.2 -82.7 31.2 -83.6 31.4 -82.7 31.2 TAB NO	C.19349 C C.19168 C 179 ALT 21.67807 A. C.17791 C C.17592 C C.17850 C C.17739 C C.17739 C	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905 R/A A7PHAZ INCD .854 -90.4 67.7 .851 -89.5 67.7 .851 -89.5 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -89.6 67.7 ATLAS PHOTO NO	40.1 31.1 40.1 30.3 179 R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 38.5 31.7 40.1 30.3 180	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 2/1.5 U. 1-2 26.8 0.755177 2-3 28.4 0.79892 3-4 28.1 0.71508 4-5 26.5 0.80717 5-6 26.8 0.70366 6-7  POD SEQUENCE NO 969
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.525 5 -10.691 -20.498 6 -10.691 -20.525 7 -10.668 -20.528  JULY 31,1964 13 HR  TRAJECTORY DATA	Z5 MIN 39 SEC 57.  KANUE	7.9 8 MS 8.1 7.9 8.3 8.3 8.0 7.9	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  -83.1 31.2 -82.7 31.2 -82.7 31.2 -83.6 31.4 -82.7 31.2 TAB NO	C.19349 C C.19168 C 179 ALT 21.67807 A. C.17791 C C.17592 C C.17850 C C.17739 C C.17739 C	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905  R/A A7PHAI INCD .854 -90.4 67.7 .863 -89.6 67.7 .863 -89.6 67.7 .863 -89.6 67.7 ATLAS PHOTO NO	40.1 31.1 40.1 30.3 179 R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 38.5 31.7 40.1 30.3 180	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 2.602 0.55177 2-3 28.4 0.75802 3-4 28.1 0.71508 4-5 26.5 0.80717 5-6 26.8 0.70366 6-7  POD SEQUENCE NO 969
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.525 5 -10.691 -20.498 6 -10.691 -20.525 7 -10.668 -20.528  JULY 31,1964 13 HR  TRAJECTORY DATA	Z5 MIN 39 SEC 57.  KANUE	7.9 8 MS 8.1 7.9 8.3 8.3 8.0 7.9	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  ACCUN: 42.4 -83.1 31.2 -62.7 31.2 -62.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2 TAB NO  SEC TO IMPACT 8.386  AZSUN AZA	C.19349 C C.19168 C 179  ALT 21.67807  A. C.17791 C.17592 C.17	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905  R/A A7PHAZ INCD .854 -90.4 67.7 .863 -89.6 67.7 .863 -89.6 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.499 -20.876  B/A AZPHAZ INCD	R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 180 R 1755.163	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 26.8 0.755177 2-3 28.4 0.755177 2-3 28.4 0.779802 3-4 28.1 0.71508 4-5 26.5 0.80717 5-6 26.8 0.70366 6-7  POD SEQUENCE NO 969
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.525 5 -10.691 -20.498 6 -10.691 -20.525 7 -10.668 -20.528  JULY 31,1964 13 HR  TRAJECTORY DATA	Z5 MIN 39 SEC 57.  KANUE	7.9 8 MS 8.1 7.9 8.3 8.3 8.0 7.9	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  -83.1 31.2 -83.1 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 8.386  AZSUN AZA -83.1 31.2	C.19349 C C.19168 C 179  ALT 21.67807  A. C.17791 C.17592 C.177592 C.177592 C.177592 C.177592 C.177592 C.177592 C.177592 C.16760 A. C.16176 C.	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905  R/A A7PHAZ INCD .854 -90.4 67.7 .863 -89.6 67.7 .863 -89.6 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.499 -20.876  B/A AZPHAZ INCD	R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 180 R 1755.163	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 26.8 0.755177 2-3 28.4 0.755177 2-3 28.4 0.779802 3-4 28.1 0.71508 4-5 26.5 0.80717 5-6 26.8 0.70366 6-7  POD SEQUENCE NO 969
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.525 6 -10.691 -20.498 6 -10.691 -20.525 7 -10.668 -20.528  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.674 -20.520 3 -10.665 -20.534	25 MIN 39 SEC 57.  KANGE	7.9 8.1 7.9 8.3 8.3 8.0 7.9 8 MS	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  -83.1 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 8.386  AZSUN AZA -83.1 31.2 -82.7 31.2	C.19349 C C.19168 C 179  ALT 21.67807  A. C.17791 O C.17792 O C.17850 O C.17739 C C.17739 C	.856 -91.4 67.7 .863 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905 R/A A7PHAZ 167.7 .853 -89.6 67.7 .851 -89.5 67.7 .856 -91.4 67.7 .8563 -89.6 67.7 ATLAS PHOTO NO  LAT LCN -10.499 -20.876 B/A AZPHAZ INCD -854 -90.4 67.7 .864 -89.6 67.7	40.1 30.3 179 R 1757.133 PHAZ EMIS 39.3 31.4 40.1 30.3 38.5 31.7 40.1 31.1 40.1 30.3 180 R 1755.163 PHAZ EMIS 40.1 30.3 38.5 31.7 40.1 30.3	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 26.8 0.55177 2-3 28.4 0.79892 3-4 28.1 0.71508 4-5 26.5 0.80717 5-6 26.6 0.70366 6-7  POD SEQUENCE NO 969  V PTH AZ 2.603 -64.346 114.798  ALPHA SCALE PT-PT 27.4 0.1226.7 0.50160 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.525 6 -10.691 -20.498 6 -10.691 -20.525 7 -10.668 -20.528  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.674 -20.520 3 -10.665 -20.534 4 -10.664 -20.509 5 -10.685 -20.506	Z5 MIN 39 SEC 57.  KANUE	7.9 8 MS 8.1 7.9 8.3 8.3 8.0 7.9 8 MS	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  -83.1 31.2 -83.5 31.2 -82.7 31.2  TAB NO  SEC TO IMPACT 8.386  AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -82.6 31.0	C.19349 0 C.19168 C  179  ALT 21.67807  A. C.17791 0 C.17592 0 C.17850 0 C.17739 0 C.17792 0  180  ALT 19.70760  A. C.16176 C C.16396 0 C.163369 0 C.163369 0 C.163369 0	.854 -91.4 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905 R/A A7PHAZ INCD .854 -90.4 67.7 .851 -89.5 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .851 -89.5 67.7 .851 -89.5 67.7	R 1757.133 PHAZ ÉMIS 39.3 31.4 40.1 30.3 38.5 31.7 40.1 30.3 180 R 1755.163 PHAZ EMIS 39.3 31.4 40.1 30.3 180	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 2/.5 U. 1-2 26.8 0.755177 2-3 28.4 0.79892 3-4 28.1 0.71508 4-5 26.8 0.70366 6-7  POD SEQUENCE NO 969  V PTH AZ 2.603 -64.346 114.798  ALPHA SCALE PT-PT 27.4 0. 1-2 26.7 0.50160 2-3 28.4 0.72634 3-4 28.1 0.765013 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.679 -20.513 3 -10.668 -20.528 4 -10.668 -20.528 6 -10.691 -20.525 7 -10.668 -20.528  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.664 -20.520 3 -10.665 -20.534 4 -10.664 -20.500	25 MIN 39 SEC 57.  KANUE	7.9 8 MS 8.1 7.9 8.3 8.3 8.0 7.9 8 MS	-82.7 31.1  TAB NO  SEC TO IMPACT 9.226  -83.1 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 8.386  AZSUN AZA -83.1 31.2 -82.7 31.2	C.19349 0 C.19168 C  179  ALT 21.67e07  A. C.17791 0 C.17792 0 C.17792 0 C.17792 0  180  ALT 19.70760  A. C.16176 C C.16369 0	.854 -91.4 67.7 ATLAS PHOTO NO  LAT LCN -10.486 -20.905 R/A A7PHAZ INCD .854 -90.4 67.7 .851 -89.5 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .856 -91.4 67.7 .851 -89.5 67.7 .851 -89.5 67.7	R 1757-133 PHAZ EMIS 39.3 31.4 40.1 30.3 180  R 1755-163 R 1755-163 PHAZ EMIS 38.5 32.5 40.1 30.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 31.4 40.1 30.3 31.4 40.1 30.3	28.1 0.78003 4-5 26.5 0.88048 5-6 26.8 0.76758 6-7  POD SEQUENCE NO 968  V PTH AZ 2.602 -64.365 114.803  ALPHA SCALE PT-PT 28.1 0.71508 4-5 26.5 0.80717 5-6 26.8 0.70366 6-7  POD SEQUENCE NO 969  V PTH AZ 2.603 -64.346 114.798  ALPHA SCALE PT-PT 2.603 -64.346 114.798  ALPHA SCALE PT-PT 2.603 -64.346 114.798  ALPHA SCALE PT-PT 2.607 0.50160 2-3 28.4 0.72634 3-4 28.1 0.65013 4-5 28.5 0.73384 5-6

RA-VII CAMERA P2

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				TAB NO	181	ATLAS PHOTO NO	181	POD SEQUENCE NO 970
JULY 31,1964 13 HR	25 MIN 41	SEC 253	MS			maio moro no		
TRAJECTORY DATA				SEC TO IMPACT 7.547		LAT LGN	R	V PTH AZ 2.604 -64.328 114.792
PHOTC DATA								
PT LAT LON	RANGE	AZS/C	AZN	AZSUN AZA	A *	B/A AZPHAZ INCO	PHAZ EMIS A	LPHA SCALE PT-PT
2 -10.670 -20.527 3 -10.661 -20.539	20.73460 20.50651	-59.2	7.9	-83.1 31.2 -82.7 31.2	0.14560	0.854 -90.4 67.7 0.864 -89.6 67.6	39.3 31.4	27.4 0. 1- 2 26.7 0.45149 2- 3
4 -10.661 -20.517	20.60796	-60.5	8.3	-62.6 31.0				
5 -10.680 -20.514	20.98580	-58.4	8.3	-62.6 31.0 -83.5 31.2	C.14733	0.844 -91.4 67.7	38.5 32.5	28.1 0.58517 4- 5 26.5 0.66049 5- 6
6 -10.680 -20.536 7 -10.661 -20.539	20.67918		. 7.9. 7.9	-83.6 31.4	U.14518	U.85691.467.7	40-1 31-1	26.5 0.66049 5- 6
7 -10.001 -20.557	20.30831	-39.2	7.9	-82.7 31.2	0.14397	0.864 -89.6 67.6	40.1 30.3	26.7 0.57584 6- 7
JULY 31,1964 13 HR	25 MIN 42	SEC 93	MS	TAB NO	182	ATLAS PHOTO NO	182	POD SEQUENCE NO 971
TRAJECTURY DATA .					AL T	LAI LON	R	<u>v PTH AZ</u> 2.605 -64.310 114.787
PHUID DATA				6.707	15.7648	3 -10.525 -20.819	1751.220	2.605 -64.310 114.787
PT LAT LGN 2 -10.666 -20.533	RANGE	AZS/C	AZN	AZSUN AZA	A *	B/A AZPHAZ INCO	PHAZ EMIS A	LPHA SCALE PT-PT
2 -10.666 -20.533 3 +10.658 -20.544	18.43235	-58.8	8.1	-83.1 31.2 -82.7 31.2	0.12943	0.854 -90.4 67.7	39.3 31.4	27.4 0. 1-2 26.7 0.40140 2-3 28.4 0.58112 3-4
4 -10.65/ -20.525	18.49734.	-59.2	8.3	-82.7 31.2 -82.6 31.0	0.12798	0.864 -89.6 67.6	40.1 30.3	26.7 0.40140 2-3
5 -10.674 -20.522	18.65541	-58.4	6.3	-83.5 31.2	0.13097	0.844 -91.4 67.7	38.5 32.5	28.1 0.52022 4- 5
6 -10.675 -20.542	18.38293	-57.0	7.9	-83.6 31.4	C.129C6	C.856 -91.4 67.6 0.864 -89.6 67.6	40.1 31.1	26.5 0.58711 5- 6 26.7 0.51202 6- 7
7 -10.658 -20.544	18.22945	-59.2	7.9	-82.7 31.2	0.12798	0.864 -89.6 67.6	40.1 30.3	26.7 0.51202 6- 7
JULY 31.1964 13 HR	25 MIN 42	SEC 933	мс	TAB NO	183	ATLAS PHOTO NO		POD SEQUENCE NO 972
TRAJECTORY DATA				SEC TO IMPACT 5.867	ALT 13.7924	LAT LON 2 -10.538 -20.790	R 1749.248	V PTH AZ 2.607 -64.291 114.781
PHOTO DATA PT LAT LEN	PANILE	A25/F	AZN	AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0		0/4 470047 1500	D. 43 (MIC 4	DUL COME DE DE
2 -10.661 -20.540	16.12832	-58.8	8.1	-83-1 31-2	C.11325	B/A AZPHAZ INCD 0.85490.4 67.6	20 3 31 4	LPHA SCALE PT-PT 27.4 0. 1-2
3 -10.654 -20.550	15.9508C	-59.2	7.9	-82.7 31.2	0.11199	0.864 -89.6 67.6	40.1 30.3	26.7 0.35120 2- 3
4 -10.654 -20.533	16.18514	-60.5	8.3	-82.6 31.0	C.11363	0.864 -89.6 67.6 0.851 -89.5 67.7	38.5 31.7	28.4 0.50845 3- 4
5 -10.667 -20.530 6 -10.667 -20.547	16.32342		8.3	-83.5 31.2	C.11460	C.844 -91.4 67.7	38.5 32.5	28.1 0.45517 4-5
7 -10.654 -20.550	15.95080	-59.2	7.9	-83.6 31.4 -82.7 31.2	0.11292	0.856 -91.4 67.6 0.864 -89.6 67.6	40.1 31.1	26.5 0.51369 5- 6 26.7 0.44790 6- 7
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HILV 21 1044 12 HB				TAB NO	184	ATLAS PHOTO NO		POD SEQUENCE NO 973
JULY 31,1964 13 HR				TAB NO	184	ATLAS PHOTO NO		
TRAJECTORY DATA	25 MIN 43			TAB NO	ALT 11.81964	ATLAS PHOTO NO  LAT LGN 4 -10.551 -20.762	184 R 1747.275	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776
TRAJECTORY DATA	25 MIN 43	SEC 773	ms	TAB NO	ALT 11.81964	ATLAS PHOTO NO  LAT LGN 4 -10.551 -20.762	184 R 1747.275	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776
TRAJECTORY DATA PHOTO DATA PT LAT LON	25 MIN 43	SEC 773	MS AZN	TAB NO SEC TO IMPACT 5.027	ALT 11.81964	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD	R 1747.275 PHAZ EMIS A	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776 LPHA SCALE PI-PI
TRAJECTORY DATA	25 MIN 43  RANGE 13.82324	SEC 773	MS AZN	TAB NO SEC TO IMPACT 5.027	ALT 11.81964 A* C.09707	ATLAS PHOTO NO  LAT LCN 4-10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6	R 1747.275 PHAZ EMIS A 39.3 31.4	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776 LPHA SCALE PI-PI
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.554 4 -10.651 -20.554	RANGE 13.82324 13.67114 13.87193	A7S/C -58.8 -59.1 -60.5	AZN 8.1 7.9 8.3	TAB NO SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0	ALT 11.81964 A. C.09707 0.09598	ATLAS PHOTO NO  LAT LCN 4-10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 0.864 -89.6 67.6	R 1747.275 PHAZ EMIS A 39.3 31.4 40.1 30.3	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776 LPHA SCALE PI-PI
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.546 5 -10.663 -20.538	RANGE 13.82324 13.67114 13.87193 13.99041	A7S/C -58.8 -59.1 -60.5 -58.4	MS AZN 8.1 7.9 8.3 8.3	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2	ALT 11.81964 A* C.09707 C.09598 C.09739 C.09822	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCO 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 C.851 -89.5 67.6 C.854 -91.4 67.6	R 1747.275 PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0.30097 2-3 28.4 0.43575 3-4 28.1 0.39010 4-5
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.651 -20.554 4 -10.651 -20.564 5 -10.663 -20.586 6 -10.663 -20.559	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619	A/S/C -58.8 -59.1 -60.5 -58.4 -57.0	AZN 8.1 7.9 8.3 8.3 7.9	TAB NO SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2	ALT 11.81964 0.09707 0.09598 C.09739 C.09822 C.09678	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 O.844 -91.4 67.6 O.854 -91.4 67.6	R 1747-275 PHAZ EMIS A 39-3 31-4 40-1 30-3 38-5 31-7 38-5 32-5 40-1 31-1	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0.1-2 26.7 0.30097 2-3 28.4 0.43575 3-4 28.1 0.3901C 4-5 28.4 0.44022 5-6
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.546 5 -10.663 -20.538	RANGE 13.82324 13.67114 13.87193 13.99041	A7S/C -58.8 -59.1 -60.5 -58.4	MS AZN 8.1 7.9 8.3 8.3	TAB NO SEC TO IMPACT 5.027  AZSUN AZA 68.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2	ALT 11.8196* A. C.09707 0.09598 C.09678 C.09678 C.09678 C.09578	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCO 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 C.851 -89.5 67.6 C.854 -91.4 67.6	R 1747-275 PHAZ EMIS A 39-3 31-4 40-1 30-3 38-5 31-7 38-5 32-5 40-1 31-1	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0.1-2 26.7 0.30097 2-3 28.4 0.43575 3-4 28.1 0.3901C 4-5 28.4 0.44022 5-6
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.651 -20.554 4 -10.651 -20.564 5 -10.663 -20.586 6 -10.663 -20.559	RANGE 13-82324 13-67114 13-87193 13-99041 13-78419 13-67114	A75/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1	MS AZN 8.1 7.9 8.3 8.3 7.9	TAB NO SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2	ALT 11.8196* A. C.09707 0.09598 C.09678 C.09678 C.09678 C.09578	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 O.844 -91.4 67.6 O.854 -91.4 67.6	R 1747.275 PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0.1-2 26.7 0.30097 2-3 28.4 0.43575 3-4 28.1 0.3901C 4-5 28.4 0.44022 5-6
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.651 -20.554 4 -10.651 -20.554 5 -10.663 -20.553 7 -10.663 -20.553 7 -10.663 -20.555 JULY 31,1964 13 HR	RANGE 13-82324 13-67114 13-87193 13-99041 13-78419 13-67114	A75/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1	MS AZN 8.1 7.9 8.3 8.3 7.9	TAB NO SEC TO IMPACT 5.027  AZSUN AZA 683.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 TAB NO	ALT 11.8196. A. 0.09707 0.09598 C.09739 C.09822 C.09678 C.09558	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.861 -89.5 67.6 O.852 -91.4 67.6 O.856 -91.4 67.6 C.856 -91.4 67.6 ATLAS PHOTO NO	R 1747.275 PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.30097 2- 3 28.4 0.43575 3- 4 28.1 0.3901C 4- 5 26.4 0.44022 5- 6 26.7 0.30389 6- 7  POD SEQUENCE NO 974
TRAJECTURY DATA  PHOTG DATA  PT LAT LON 2 -10.651 -20.554 4 -10.651 -20.556 4 -10.663 -20.558 6 -10.663 -20.555 7 -10.651 -20.555  JULY 31,1964 13 HR  TRAJECTURY DATA	RANGE 13-82324 13-67114 13-87193 13-99041 13-78419 13-67114	A75/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1	MS 8.1 7.9 8.3 8.3 7.9	TAB NO SEC TO IMPACT 5.027  AZSUN AZA 68.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2	ALT 11.8196- A. C.09707 0.09598 C.09739 C.09822 C.09578	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.854 -89.6 67.6 C.854 -91.4 67.6 C.854 -91.4 67.6 C.854 -89.6 67.6	R 1747.275 PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 32.5 40.1 31.1 40.1 30.3	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0.1-2 26.7 0.30097 2-3 28.4 0.43575 3-4 28.1 0.3901C 4-5 28.1 0.3901C 4-5 28.4 0.44022 5-6 26.7 0.30389 6-7
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 5 -10.663 -20.553 7 -10.651 -20.555  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTG DATA	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114	A75/C -58.8 -59.1 -00.5 -58.4 -57.1 SEC 613	AZN 8.1 7.9 8.3 7.9 7.9	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA 68.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187	ALT 11.8196- A. C.09707 0.09598 C.09739 C.09822 C.09558 185	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCO 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 C.851 -89.5 67.6 C.854 -91.4 67.6 C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733	R 1747.275 PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 32.5 40.1 31.1 40.1 30.3 185	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1-2 26.7 0.30097 2-3 28.4 0.43575 3-4 28.1 0.39010 4-5 26.4 0.44022 5-6 26.7 0.38389 6-7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.556 4 -10.651 -20.556 5 -10.663 -20.558 6 -10.663 -20.555 7 -10.651 -20.555  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTG DATA  PT LAT LCN 2 -10.652 -20.5564	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44	A/S/C -58.8 -59.1 -60.5 -58.4 -57.1 SEC 613	MS AZN 8.1 7.9 8.3 7.9 7.9	TAB NO SEC TO IMPACT 5.027  AZSUN AZA 68.1 31.2 -82.7 31.2 -82.6 51.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO SEC TO IMPACT 4.187	ALT 11.8196- A. C.09707 0.09598 C.09739 C.09822 C.09558 185	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCO 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 C.851 -89.5 67.6 C.854 -91.4 67.6 C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733	R 1747.275 PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 32.5 40.1 31.1 40.1 30.3 185	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1-2 26.7 0.30097 2-3 28.4 0.43575 3-4 28.1 0.39010 4-5 26.4 0.44022 5-6 26.7 0.38389 6-7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 6 -10.663 -20.553 7 -10.651 -20.555  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTG DATA  PT LAT LCN 2 -10.652 -20.554 3 -10.657 -20.554	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44	A75/C A75/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1 SEC 613	MS AZN 8.1 7.9 8.3 8.3 7.9 MS	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA 68.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.7 31.2	ALT 11.8196- A. 0.99707 0.09598 C.09739 C.09822 C.09558 185 ALT 9.84611 A. C.08687 C.07997	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6  C.856 -89.6 67.6  C.856 -89.6 67.6  C.854 -91.4 67.6  C.856 -89.6 67.6  ATLAS PHOTO NO  LAT LGN 2 -10.564 -2C.733  B/A AZPHAZ INCD C.854 -90.4 67.6  C.856 -90.4 67.6	184  R 1747-275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3  185  R 1745-301  PHAZ EMIS A 39.3 31.3 40.1 30.3	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PI-PI 22.6.7 0.30097 2-3 28.4 0.43575 3-4 28.1 0.39010 4-5 26.1 0.39010 4-5 26.4 0.46022 5 26.7 0.30389 6-7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PI 27.4 0. 1-2
TRAJECTORY DATA  PHOTG DATA PT LAT LON 2 -10.657 -20.555 4 -10.651 -20.556 5 -10.663 -20.558 6 -10.663 -20.555 7 -10.651 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA PHOTG DATA PT LAT LCN 2 -10.652 -20.554 3 -10.657 -20.554 4 -10.647 -20.564	RANGE 13.62324 13.67114 13.67119 13.78619 13.78619 13.78619 13.78619 13.67114	A75/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1 SEC 613	MS AZN 8.1 7.9 8.3 7.9 7.9 MS	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA 68.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.7 31.2	ALT 11.8196- A. C.09707 0.09598 C.09739 C.09822 C.09678 185 ALT 9.84611 A. C.08627 C.07997	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.856 -89.6 67.6 C.856 -91.4 67.6 C.854 -91.4 67.6 C.854 -91.4 67.6 C.854 -91.4 67.6 C.854 -90.6 67.6  ATLAS PHOTO NO  LAT LON 9 -10.564 -2C.733  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.856 -89.6 67.6 C.864 -89.6 67.6 C.856 -89.6 67.6 C.856 -89.6 67.6	R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 32.5 40.1 30.3 185  R 1745.301  PHAZ EMIS A 39.3 31.3 40.1 30.3	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 26.7 0.30097 2-3 28.4 0.43575 3-4 28.1 0.3901C 4-5 26.4 0.43672 5-6 26.7 0.30389 6-7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PT 27.4 0.1-2 26.7 0.25067 2-3 28.3 0.36302 3-4
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.558 6 -10.663 -20.553 7 -10.651 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA  PHOTG DATA  PT LAT LCN 2 -10.652 -20.554 3 -10.647 -20.561 4 -10.647 -20.565	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44 RANGE 11.51669 11.39000 11.55722 11.65591	A75/C -58.8 -59.1 -60.5 -59.1 SEC 613	MS AZN 8.1 8.3 8.3 7.9 MS AZN 8.3 8.3 7.9	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -83.5 31.2 -83.5 31.2 TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.7 31.2  TAB NO	ALT 11.8196- C.09707 0.09598 C.09739 C.09558 185 ALT 9.84610 A. C.08087 C.07997 0.08114	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6  C.864 -89.6 67.6  C.864 -89.6 67.6  C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6  C.864 -89.6 67.6  G.864 -89.6 67.6  C.864 -89.6 67.6	184  R 1747-275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3 185  PHAZ EMIS A 39.3 31.3 40.1 30.3 39.3 31.3 40.1 30.3 38.5 31.7 38.5 31.7 38.5 31.7	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.30097 2- 3 28.4 0.43575 3- 4 28.1 0.39010 4- 5 26.4 0.44022 5- 6 26.7 0.38389 6- 7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.25067 2- 3 28.3 0.36502 3- 4 28.1 0.32495 4- 5
TRAJECTORY DATA  PHOTG DATA PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.558 6 -10.663 -20.553 7 -10.651 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LCN 2 -10.652 -20.554 3 -10.657 -20.554 5 -10.658 -20.554 5 -10.658 -20.554	RANGE 13.62324 13.67114 13.67119 13.78619 13.78619 13.78619 13.78619 13.78619 11.51669 11.51669 11.59000 11.55722 11.65591 11.48584	AZS/C -58.8 -59.1 -00.5 -58.4 -57.0 -59.1 -59.1 -60.5 -58.8 -59.1 -60.5 -58.8 -59.1 -60.5	MS  AZN  8.1  7.9  8.3  7.9  T.9  MS  AZN  AZN  8.3  7.9	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -82.6 31.0 -83.6 31.4	ALT 11.8196- A. C.09707 0.09598 C.09739 C.09822 C.09558 185 ALT 9.84611 A. C.08087 C.07997 O.08114 C.08163 C.08064	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 C.8544 -91.4 67.6 C.854 -89.6 67.6 ATLAS PHOTO NO  LAT LON 8 -10.564 -2C.733  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -90.4 67.6 C.864 -91.4 67.6 C.857 -91.4 67.6	R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3  185  R 1745.301  PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.30097 2- 3 28.4 0.43575 3- 4 28.1 0.3901C 4- 5 26.4 0.44022 5- 6 26.7 0.30389 6- 7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.25067 2- 3 28.3 0.36302 3- 4 28.1 0.36302 3- 4 28.1 0.36495 4- 5 26.4 0.36475 5- 6
TRAJECTORY DATA  PHOTG DATA PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.558 6 -10.663 -20.553 7 -10.651 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LCN 2 -10.652 -20.554 3 -10.657 -20.554 5 -10.658 -20.554 5 -10.658 -20.554	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44 RANGE 11.51669 11.39000 11.55722 11.65591	A75/C -58.8 -59.1 -60.5 -59.1 SEC 613	MS  AZN  8.1  7.9  8.3  7.9  T.9  MS  AZN  AZN  8.3  7.9	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA 68.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  4ZSUN AZA -83.1 31.2 -82.6 31.0 -83.6 31.4 -82.7 31.2 -82.6 31.0 -83.5 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2	ALT 11.8196 A. C.09707 0.09598 C.09739 C.09822 C.09678 ALT 9.84611 A. C.08627 C.07997 C.08114 C.08163 C.08064 C.07997	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -90.4 67.6 C.864 -89.6 67.6 C.864 -91.4 67.6 C.864 -89.6 67.6	R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3  185  PHAZ EMIS A 39.3 31.3 40.1 30.3 31.3 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3	POD SEQUENCE NO 973  V PTH AZ  2.608 -64.273 114.776  LPHA SCALE PT-PT  226.7 0.30097 2-3  28.4 0.43575 3-4  28.1 0.39010 4-5  26.4 0.44022 5-6  26.7 0.30389 6-7  POD SEQUENCE NO 974  V PTH AZ  2.609 -64.254 114.770  LPHA SCALE PT-PT  27.4 0.25067 2-3  28.1 0.36302 3-4  28.1 0.36302 3-4  28.1 0.36495 4-5  26.7 0.36495 4-5  26.7 0.36495 6-7
TRAJECTORY DATA  PHOTG DATA PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.558 6 -10.663 -20.553 7 -10.651 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LCN 2 -10.652 -20.554 3 -10.657 -20.554 5 -10.658 -20.554 5 -10.658 -20.554	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44  RANGE 11.51669 11.49000 11.55722 11.65591 11.48594 11.39000	A75/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1 SEC 613 AZS/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1	AZN 8.1 7.9 7.9 MS	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  42SUN AZA -83.1 31.2 -82.7 31.2 -83.6 31.4 -82.7 31.2  TAB NO	ALT 11.8196 A. C.09707 0.09598 C.09739 C.09822 C.09678 ALT 9.84611 A. C.08627 C.07997 C.08114 C.08163 C.08064 C.07997	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 C.8544 -91.4 67.6 C.854 -89.6 67.6 ATLAS PHOTO NO  LAT LON 8 -10.564 -2C.733  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -90.4 67.6 C.864 -91.4 67.6 C.857 -91.4 67.6	R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3  185  R 1745.301  PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 38.5 31.7 38.5 31.7 38.5 31.7 38.5 31.7 38.5 32.5 40.1 30.3	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.30097 2- 3 28.4 0.43575 3- 4 28.1 0.3901C 4- 5 26.4 0.44022 5- 6 26.7 0.30389 6- 7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.25067 2- 3 28.3 0.36302 3- 4 28.1 0.36302 3- 4 28.1 0.36495 4- 5 26.4 0.36475 5- 6
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 5 -10.663 -20.553 7 -10.651 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA  PHOTG DATA  PT LAT LCN 2 -10.652 -20.554 3 -10.654 -20.554 5 -10.658 -20.554 6 -10.658 -20.554 7 -10.658 -20.564 7 -10.658 -20.565 7 -10.654 -20.561	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44  RANGE 11.51669 11.49000 11.55722 11.65591 11.48594 11.39000	A75/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1 SEC 613 AZS/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1	AZN 8.1 7.9 7.9 MS	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -88.1 31.2 -82.7 31.2 -82.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.7 31.2 -83.6 31.4 -82.7 31.2 -83.6 31.4 -83.1 31.2 -83.6 31.4 -83.7 31.2	ALT 11.8196- A. C.09707 0.09598 C.09739 C.09822 C.09558 185 ALT 9.84611 A. C.08627 C.07997 O.08114 C.08163 C.08064 C.07997	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.851 -89.5 67.6 C.854 -91.4 67.6 C.854 -89.6 67.6 ATLAS PHOTO NO  LAT LON 8 -10.564 -2C.733  B/A AZPHAZ INCD C.854 -90.4 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.857 -91.4 67.6 C.857 -	R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 32.5 40.1 30.3  185  R 1745.301  PHAZ EMIS A 30.3 31.3 40.1 30.3 185  PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 186	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 26.7 0.30097 2-3 28.4 0.45575 3-4 28.1 0.3901C 4-5 26.4 0.44072 5-6 26.7 0.30389 6-7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PT 27.4 0.1-2 26.7 0.25067 2-3 26.3 0.36302 3-4 28.1 0.32495 4-5 26.7 0.31986 6-7  POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTG DATA PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 6 -10.663 -20.553 7 -10.651 -20.555  JULY 31,1964 13 HR TRAJECTURY DATA PHOTO DATA PT LAT LON 2 -10.652 -20.554 3 -10.647 -20.561 4 -10.647 -20.561 5 -10.658 -20.557 6 -10.658 -20.567 6 -10.658 -20.567	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44  RANGE 11.51669 11.49000 11.55722 11.65591 11.48594 11.39000	A75/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1 SEC 613 AZS/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1	AZN 8.1 7.9 7.9 MS	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -82.7 31.2 -83.6 31.4 -83.1 31.2 -82.7 31.2 -83.6 31.4 -83.7 31.2	ALT 11.8196- A. 0.9707 0.09598 C.09739 C.09558 185 ALT 9.84614 A. C.08087 C.07997 0.08114 C.08163 C.08064 0.07997	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -90.4 67.6 C.864 -89.6 67.6 C.864 -91.4 67.6 C.864 -89.6 67.6	184  R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3 185  R 1745.301  PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 186	POD SEQUENCE NO 973  V PTH AZ  2.608 -64.273 114.776  LPHA SCALE PT-PT  20.7 0.30097 2-3  28.4 0.43575 3-4  28.1 0.3901C 4-5  26.7 0.30399 6-7  POD SEQUENCE NO 974  V PTH AZ  2.609 -64.254 114.770  LPHA SCALE PT-PT  27.4 0. 1-2  26.7 0.25067 2-3  28.3 0.36302 3-4  28.1 0.32495 4-5  26.7 0.36975 5-6  26.7 0.31986 6-7  POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 6 -10.663 -20.553 7 -10.651 -20.555  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTG DATA  PT LAT LON 2 -10.652 -20.554 3 -10.657 -20.554 4 -10.657 -20.556 5 -10.658 -20.557 6 -10.658 -20.557 7 -10.657 -20.568	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44  RANGE 11.51669 11.49000 11.55722 11.65591 11.48594 11.39000	A/S/C -58.8 -59.1 -00.5 -57.0 -59.1 SEC 613 AZS/C -58.8 -59.1 -60.5 -58.4 -59.1 SEC 613	AZN 17.9 8.3 7.9 7.9 MS	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -82.7 31.2 TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -83.7 31.2 -83.5 31.2 -83.6 31.4 -83.6 31.4 -83.7 31.2 TAB NO	ALT 11.8196- C.09707 0.09598 C.09759 C.09558 185 ALT 9.84610 A. C.08627 C.07997 0.08114 C.08626 C.07997 186 ALT 7.8716	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6  C.864 -89.6 67.6  C.864 -89.6 67.6  C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733	184  R 1747-275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3 185  PHAZ EMIS A 39.3 31.3 40.1 30.3 185 2.5 40.1 31.1 40.1 30.3 186  R 1743.327	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.30097 2- 3 28.4 0.43575 3- 4 28.1 0.3901C 4- 5 26.4 0.44022 5- 6 26.7 0.38389 6- 7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.25067 2- 3 28.3 0.36502 3- 4 28.1 0.32495 4- 5 26.4 0.36677 5- 6 26.7 0.31986 6- 7  POD SEQUENCE NO 975  V PTH AZ 2.610 -64.235 114.764
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 5 -10.663 -20.558 6 -10.663 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA  PHOTG DATA PI LAT LCN 2 -10.652 -20.554 3 -10.647 -20.561 4 -10.647 -20.561 5 -10.658 -20.567 6 -10.658 -20.567 7 -10.647 -20.561  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTG DATA PT LAT LON 2 -10.658 -20.567 6 -10.658 -20.567 7 -10.647 -20.561  PHOTG DATA PT LAT LON 2 -10.648 -20.561	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.78619 13.57114 25 MIN 44 RANGE 11.51669 11.45572 11.4554 11.39000 25 MIN 45	A/S/C -58.8 -59.1 -60.5 -57.0 -59.1 SEC 613 A/S/C -58.8 -59.1 -60.5 -59.1 SEC 613	AZN	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA 68.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.6 31.0 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -82.7 31.2 -83.6 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.4 -83.1 31.2 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4 -83.6 31.4	ALT 11.8196- A. C.09707 0.09598 C.09739 C.09822 C.09678 185 ALT 9.84611 A. C.08627 C.07997 0.08114 C.08163 C.08064 C.07997	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -91.4 67.6 C.864 -89.6 67.6 ATLAS PHOTO NO  LAT LON 8 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6 C.8651 -89.5 67.6 C.867 -91.4 67.6 C.868 -89.6 67.6 ATLAS PHOTO NO  LAT LON 7 -10.578 -2C.704	R 1747.275 PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 32.5 40.1 30.3 185  R 1745.301 PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 32.5 40.1 30.3 186  R 1743.327 PhAZ EMIS A R 1743.327	POD SEQUENCE NO 973  V PTH A2  2.608 -64.273 114.776  LPHA SCALE PT-PT  26.7 0.30097 2-3  28.4 0.45575 3-4  28.1 0.3901C 4-5  26.4 0.44072 5-6  26.7 0.30389 6-7  POD SEQUENCE NO 974  V PTH A2  2.609 -64.254 114.770  LPHA SCALE PT-PT  22.7 0.25067 2-3  28.3 0.36302 3-4  28.1 0.32495 4-5  26.7 0.31986 6-7  POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTG DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 5 -10.663 -20.558 6 -10.663 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA  PHOTG DATA PI LAT LCN 2 -10.652 -20.554 3 -10.647 -20.561 4 -10.647 -20.561 5 -10.658 -20.567 6 -10.658 -20.567 7 -10.647 -20.561  JULY 31.1964 13 HR  TRAJECTORY DATA  PHOTG DATA PT LAT LON 2 -10.658 -20.567 6 -10.658 -20.567 7 -10.647 -20.561  PHOTG DATA PT LAT LON 2 -10.648 -20.561	RANGE 13.62324 13.67114 13.67114 13.78619 13.78619 13.78619 13.78619 13.78619 11.49000 11.59020 11.48584 11.39000 25 MIN 45	AZS/C -58.8 -59.1 -00.5 -59.1 -57.0 -59.1 SEC 613 AZS/C -58.8 -59.1 -60.5 -58.4 -57.0 -59.1 SEC 453	AZN	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA 683.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.6 31.0 -83.5 31.2 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.6 31.0 -83.5 31.2 -82.6 31.0 -83.5 31.2 -82.7 31.2 -83.6 31.4 -82.7 31.2 -83.6 31.4 -82.7 31.2 -83.6 31.4 -83.1 31.2 -8	ALT 11.8196- A. C.09707 0.09598 C.09739 C.09822 C.09568 185 ALT 9.84614 0.07997 186 ALT 7.8716 ALT 7.8716	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 ATLAS PHOTO NO  LAT LON 7 -10.578 -2C.704  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.865 -90.4 67.6 C.866 -89.6 67.6	R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3  185  PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3 186	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.30097 2- 3 28.4 0.43575 3- 4 28.1 0.3901C 4- 5 26.4 0.44022 5- 6 26.7 0.30389 6- 7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PT 27.4 0. 1- 2 26.7 0.36377 5- 6 26.7 0.31986 6- 7  POD SEQUENCE NO 975  V PTH AZ 2.610 -64.235 114.764  LPHA SCALE PT-PT 2.64 0.36477 5- 6 26.7 0.31986 6- 7  POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 5 -10.663 -20.558 6 -10.663 -20.555 JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LON 2 -10.652 -20.554 3 -10.647 -20.561 4 -10.647 -20.561 5 -10.658 -20.547 6 -10.658 -20.547 6 -10.658 -20.547 7 -10.647 -20.561 JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.658 -20.547 6 -10.658 -20.547 6 -10.658 -20.547 7 -10.647 -20.561 JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.648 -20.561 3 -10.644 -20.561 3 -10.644 -20.561	RANGE 13.82324 13.67114 13.87193 13.99041 13.78619 13.67114 25 MIN 44  RANGE 11.51669 11.39000 11.55722 11.65591 11.48504 11.39000 25 MIN 45	A/S/C -58.8 -59.1 -60.5 -58.0 -57.0 -59.1 SEC 613 A/S/C -58.1 -59.1 -60.5 -59.1 SEC 453	AZN	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -83.5 31.2 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  4ZSUN AZA -83.1 31.2 -82.6 31.0 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.6 31.0 -82.7 31.2  TAB NO	ALT 11.8196- A.09707 0.09598 C.09758 C.09558 185  ALT 9.84610 A. C.08027 C.07997 0.08114 C.08163 C.08064 0.07997 186  ALT 7.8716 A. C.06466 C.06394	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6  C.864 -89.6 67.6  C.864 -89.6 67.6  C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6  C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.578 -2C.704  B/A AZPHAZ INCD C.851 -89.5 67.6  C.851 -89.5 67.6  C.851 -89.6 67.6  C.857 -91.4 67.6  C.857 -91.4 67.6  C.856 -90.4 67.6  C.864 -89.6 67.6  ATLAS PHOTO NO	184  R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 40.1 30.3 185  R 1745.301  PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 31.7 40.1 30.3 186  R 1743.327  PHAZ EMIS A 39.3 31.3 40.1 30.3 186	POD SEQUENCE NO 973  V PTH AZ 2.608 -64.273 114.776  LPHA SCALE PT-PT 27.4 0. 1-2 26.7 0.30097 2-3 28.1 0.39010 4-5 26.4 0.46022 5-6 26.7 0.36389 6-7  POD SEQUENCE NO 974  V PTH AZ 2.609 -64.254 114.770  LPHA SCALE PT-PT 27.4 0. 1-2 26.7 0.36389 6-7  POD SEQUENCE NO 975  V PTH AZ 2.610 -64.254 114.770  LPHA SCALE PT-PT 27.4 0. 1-2 26.7 0.360677 5-6 26.7 0.31986 6-7  POD SEQUENCE NO 975  V PTH AZ 2.610 -64.235 114.764  LPHA SCALE PT-PT 2.610 -64.235 114.764
TRAJECTORY DATA  PHOTO DATA  PI LAT  2 -10.657 -20.554  6 -10.651 -20.555  7 -10.651 -20.555  JULY 31.1964 13 HR  TRAJECTURY DATA  PHOTO DATA  PI LAT  2 -10.652 -20.554  3 -10.657 -20.564  5 -10.658 -20.567  7 -10.654 -20.561  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  TRAJECTORY DATA  PHOTO DATA  P	RANGE 13.62324 13.67114 13.67114 13.67193 13.99041 13.78619 13.78619 13.78619 11.39000 11.595722 11.65591 11.48584 11.39000 25.MIN 45	AZS/C -58.8 -59.1 -60.5 -59.1 -57.0 -59.1 SEC 613 AZS/C -58.8 -59.1 SEC 453 AZS/C -58.4 -57.0 -59.1 SEC 453	AZN 17-9 MS AZN 17-9 8-3 8-17-9 MS AZN 17-9 8-3 8-17-9 8-3 8-18-18-18-18-18-18-18-18-18-18-18-18-18	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA -83.1 31.2 -82.7 31.2 -83.5 31.2 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  4ZSUN AZA -83.1 31.2 -82.6 31.0 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.6 31.0 -82.7 31.2  TAB NO	ALT 11.8196  A. C.09707 0.09598 C.09739 C.09822 C.09628 C.09598  ALT 9.84614 0.08163 C.08064 0.07997  186  ALT 7.8716 A. C.06466 C.06468 C.06468 C.06468	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 C.864 -89.6 67.6 ATLAS PHOTO NO  LAT LON 9 -10.564 -2C.733  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6 ATLAS PHOTO NO  LAT LON 7 -10.578 -2C.704  B/A AZPHAZ INCD 0.854 -90.4 67.6 C.864 -89.6 67.6	R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3  185  PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 38.5 31.7	POD SEQUENCE NO 973  V PTH AZ  2.608 -64.273 114.776  LPHA SCALE PT-PT  22.6.7 0.30097 2-3  28.4 0.43575 3-4  28.1 0.39010 4-5  28.2 0.39010 4-5  POD SEQUENCE NO 974  V PTH AZ  2.609 -64.254 114.770  LPHA SCALE PT-PT  27.4 0. 1-2  28.3 0.36302 3-4  28.1 0.32495 4-5  V PTH AZ  2.610 -64.235 114.764  LPHA SCALE PT-PT  22.6.7 0.31986 6-7  POD SEQUENCE NO 975
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.657 -20.547 3 -10.651 -20.555 4 -10.651 -20.556 5 -10.663 -20.558 6 -10.663 -20.555 JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTO DATA PT LAT LON 2 -10.652 -20.554 3 -10.647 -20.561 4 -10.647 -20.561 5 -10.658 -20.547 6 -10.658 -20.547 6 -10.658 -20.547 7 -10.647 -20.561 JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.658 -20.547 6 -10.658 -20.547 6 -10.658 -20.547 7 -10.647 -20.561 JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.648 -20.561 3 -10.644 -20.561 3 -10.644 -20.561	RANGE 13.62324 13.67114 13.87193 13.99041 13.78619 13.78619 13.78619 13.78619 13.78619 13.78619 13.78619 11.49000 11.59722 11.65591 11.48584 11.39000 25 MIN 45	AZS/C -58.8 -59.1 -60.5 -59.1 -57.0 -59.1 SEC 613 AZS/C -58.8 -59.1 SEC 453 AZS/C -58.4 -57.0 -59.1 SEC 453	AZN 17-9 MS AZN 17-9 8-3 8-17-9 MS AZN 17-9 8-3 8-17-9 8-3 8-18-18-18-18-18-18-18-18-18-18-18-18-18	TAB NO  SEC TO IMPACT 5.027  AZSUN AZA 683.1 31.2 -82.7 31.2 -82.6 31.0 -83.5 31.2 -83.6 31.4 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.6 31.0 -83.5 31.2 -82.7 31.2  TAB NO  SEC TO IMPACT 4.187  AZSUN AZA -83.1 31.2 -82.6 31.0 -83.5 31.2 -82.6 31.0 -83.5 31.2 -82.7 31.2 -83.6 31.4 -82.7 31.2 -83.6 31.4 -82.7 31.2 -83.6 31.4 -83.1 31.2 -8	ALT 11.8196  A. C.09707 0.09598 C.09739 C.09822 C.09628 C.09598  ALT 9.84614 0.08163 C.08064 0.07997  186  ALT 7.8716 A. C.06466 C.06468 C.06468 C.06468	ATLAS PHOTO NO  LAT LCN 4 -10.551 -2C.762  B/A AZPHAZ INCD 0.854 -90.4 67.6  C.864 -89.6 67.6  C.864 -89.6 67.6  C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.564 -2C.733  B/A AZPHAZ INCD C.864 -89.6 67.6  C.864 -89.6 67.6  ATLAS PHOTO NO  LAT LON 2 -10.578 -2C.704  B/A AZPHAZ INCD C.851 -89.5 67.6  C.851 -89.5 67.6  C.851 -89.6 67.6  C.857 -91.4 67.6  C.857 -91.4 67.6  C.856 -90.4 67.6  C.864 -89.6 67.6  ATLAS PHOTO NO	R 1747.275  PHAZ EMIS A 39.3 31.4 40.1 30.3 38.5 31.7 38.5 32.5 40.1 31.1 40.1 30.3  185  PHAZ EMIS A 39.3 31.3 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 38.5 31.7 38.5 32.5 40.1 30.3 38.5 31.7	POD SEQUENCE NO 973  V PTH AZ  2.608 -64.273 114.776  LPHA SCALE PT-PT  22.6.7 0.30097 2-3  28.4 0.43575 3-4  28.1 0.39010 4-5  28.2 0.39010 4-5  POD SEQUENCE NO 974  V PTH AZ  2.609 -64.254 114.770  LPHA SCALE PT-PT  27.4 0. 1-2  28.3 0.36302 3-4  28.1 0.32495 4-5  V PTH AZ  2.610 -64.235 114.764  LPHA SCALE PT-PT  22.6.7 0.31986 6-7  POD SEQUENCE NO 975

			RA-VII CAN	ERA P	2								32
JULY 31+1964 13 HR	25 MIN 46 SE	C 293 MS	TAB	NO 1	87	ATL	AS PHOTO	NO NO	187		POD S	EQUENCE N	976
TRAJECTORY DATA			SEC TO 1MP/ 2.507	AC T	ALT 5.89720	LAT 3 -10.5	91 -20	GN .675	174	R •1•352	V 2.611	PTH -64.217 1	AZ 14.759
PT LAT LON	KANGE A	ZS/C AZN	AZ SUN AZ	۸.	Δ.	н/А	AZPHAZ	LNCD	DHA7	CHIC	ALPHA	SCALE	PT-PT
2 -10.643 -20.567		58.6 8.1	-83.1 31.		C.04845						27.4	O.	1- 2
3 -10.641 -20.572	6.82361 -		-82.7 31.				-89.6	67.6	60 1	31.3	26.7	0.15019	
4 -10.640 -20.564		60.5 8.3	-82.6 31.				-89.5				28.3	0.13019	
5 -10.647 -20.563	6.98283 -		-83.5 31.				-91.4			32.4	28.0		
6 -10.647 -20.571	6.88099 -		-83.6 31.									0.19473 0.21969	4- 2
7 -10.641 -20.572	6.82361 -		-62.7 31.				-89.6						
	0.02301	J 7 . L . T . T	62.1 31		0.04731	0.004	-89.0	01.0	40.1	30.3	20.1	0.19162	6- /
			TAB	NO 1	88	ATL	AS PHOTO	NO (	188		POD S	EQUENCE N	0 977
JULY 31,1964 13 HR	25 MIN 47 SE	C 133 MS											- •
TRAJECTORY DATA			SEC TO IMPA	СТ	AL T	LAT		CNI		0		£IH	
THATECTER T SATA			1.667				04 -26					-64.198 1	
PHOTE DATA			1.001		3.72116	-10.0	-20	.040	17:	33.311	2.613	-04,198 1	14.153
PT LAT LON	RANGE A	ZS/C AZN	AZSUN AZ		A =	4/4	AZPHAZ	THER	DL 4.7		AL DUA	SCALE	PT-PT
2 -10.639 -20.574	4.58888 -		-83.1 31.				-90.4		39.3		27.4	0.	1~ 2
3 -10.637 -20.577		59.1 7.9	-82.7 31.				-89.6				26.7	0.09985	
4 -10.637 -20.572		00.5 8.3	-62.6 31.				-89.5		38.5			0.14462	
5 -10.641 -20.571		56.4 8.3	-83.5 31.				-91.4				28.0	0.12937	
6 -10.641 -20.576		57.0 7.9	-63.6 31.				-91.4					0.14611	
7 10.637 -20.577	4.53845 -		-62.7 31.				-89.6					0.12740	
	4.00040 -	39.1 7.9	-02.7 31.	. 2	C.U3166	0.864	-84.0	67.6	40.1	30.3	26.1	0.12740	6- /
			TAB	NO 1	89	ATL	AS PHUIL	NŪ	183		bùu a	FOUENCE N	978
JULY 31,1964 13 HR	25 MIN 47 SE	C. 973 MS											
TRAJECTORY DATA			SEC TO IMP		AL T	LAI		ON		R	٧	PTH	AZ
			0.827		1.94583	3 -10.6	17 -20	.617	173	37.401	2.614	-64.179 1	14.748
_PHOTC_DATA													
PT LAT LGN			AZSUN AZ		A =		AZPHAZ					SCALE	PT-PT
2 -10.634 -20.581		58.8 8.1	-83.1 31.				-90.4				27.4		
3 -10.633 -20.583		59.1 7.9	-82.7 31.				-69.6					C.04955	
4 -10.633 -20.580		60.5 8.3	-82.6 31.		0.01604	C.851	-89.5	67.6	38.5	31.6	28.3	0.0717/	3- 4
5 -10.636 -20.580		58.4 8.3	-83.5 31.		C.01618	C.844	-91.4	67.6	38.5		28.0	0.06431	4-5
6 -10.636 -20.582		57.0 7.9	-63.6 31.				-91.4				26.4	0.07249	5- 6
7 -10.633 -20.583	2.25209 -	59.1 7.9	-82.7 31.	. 2	C.01581	C.864	-89.6	67.6	40.1	30.3	26.7	0.06328	6- 7

## TIME- AND CAMERA-DEPENDENT PARAMETERS

RA-VII CAMERA P3

		TAB NO	1	ATLAS PHOTO NO	1	POD SEQUENCE NO 17
JULY 31,1964 13 HR 12 MIN 20 SEC 581 TRAJECTORY DATA		SEC TO IPPACT	ALT	LAT LCN	R	V PTH AZ
		808.219	1701.30081	-4.104 -34.167	3436.764	2.010 -73.545 116.823
PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.817 -18.105 1859.30907 -52.3 2 -13.410 -17.715 1877.58667 -55.1 3 -10.953 -21.035 1812.47031 -57.4 4 -10.721 -15.258 1898.63260 -65.0 5 -16.143 -13.79% 1967.6009% -53.6 6 -16.112 -20.044 1671.09192 -44.6 7 -10.953 -21.035 1812.47031 -57.4	AZN 10.3 11.3 8.7 10.7 14.7 11.7	AZSUN AZA -82.2 36.6 -82.2 34.9 -81.0 33.6 -82.2 28.5 -84.3 36.0 -81.9 41.3 -81.0 33.6	A+ 37.72696 37.70954 36.34277 38.05760 39.45332 37.50545 36.34217	0.808 -91.3 70.0 0.809 -90.4 70.6 0.878 -87.6 67.1 0.79C -87.4 72.7 0.723 -93.4 74.6 0.817 -93.1 66.6	PHAZ EMIS 38.7 34.1 38.6 36.0 41.0 28.8 36.4 43.8 41.0 35.3 41.0 28.8	
JULY 31,1964 13 HR 12 MIN 42 SEC 419		TAB NO	2	ATLAS PHOTO NO	2	POD SEQUENCE NO 43
TRAJECTORY DATA		SEC TO IMPACT 786.380	ALT 1659.12665	LAT LCN -4.199 -33.980	R 1194,582	V PTH AZ 2.019 -73.403 116.799
PHOTC DATA PT LAT LCN RANGE AZS/C 1 -11.778 -18.84 1813.83026 -52.4 2 -13.385 -17.732 1833.12794 -55.1 3 -10.987 -20.975 1769.49840 -57.3 4 -10.760 -15.336 1853.55208 -64.9 5 -16.052 -13.916 1920.74249 -53.6 6 -16.023 -20.007 1826.71347 -44.7 7 -10.987 -20.975 1769.49840 -57.3	10.2	AZSUN AZA -82.2 36.6 -82.2 34.9 -81.0 33.7 -82.1 28.7 -84.3 35.9 -81.9 41.2 -81.0 33.7	A •	B/A AZPHAZ INCD C.808 -91.3 69.9 C.810 -90.4 70.5 C.877 -87.6 67.1 O.79C -87.4 72.6 C.724 -93.4 74.5 C.817 -93.1 68.7	PHAZ EMIS	ALPHA SCALE PT-PT 30.4 0. 0-1 30.6 50.48776 1-2 25.4 120.40173 2-3 35.7 167.88923 3-4 36.2 165.64609 4-5 25.2 177.31445 5-6
		TAB NO	3	ATLAS PHOTO NO	3	POD SEQUENCE NO 67
JULY 31,1964 13 HR 13 MIN 2 SEC 578  TRAJECTORY DATA		SEC TO IMPACT	AI T	LAT LCN	R	V PTH AZ
PHOTO DATA		766.221	1620.05197			2.027 -73.270 116.776
PT LAT LON RANGE AZS/C 1-11.742 -18.256 1771.67700 -52.4 2-13.363 -17.743 1792.00085 -55.1 3-11.018 -20.915 1/29.72636 -57.3 4-10.797 -15.462 1811.86418 -64.6 5-15.964 -14.018 1877.43945	AZN 10.2 11.3 8.8 10.7 14.6 11.6	AZ SUN AZ A -82.3 36.6 -82.2 34.9 -81.0 33.7 -62.1 28.8 -84.3 35.9 -82.0 41.1 -81.0 33.7	A* 36.00983 35.99063 34.68363 36.31839 37.64545 35.79332 34.68363	C.809 -91.3 69.9 O.81C -90.4 70.5 C.877 -87.6 67.2 O.791 -87.4 72.6 C.72c -93.4 74.4 O.818 -93.1 68.7	PHAZ EMIS 38.8 33.8 38.6 35.9 241.0 28.9 36.4 37.9 36.4 43.6 741.0 28.9	30.2 0. 0-1 30.6 51.42388 1-2 25.5 117.73604 2-3 35.7 164.09854 3-4
JULY 31,1964 13 HR 13 MIN 21 SEC 57	r ms	TAB NO	4	ATLAS PHOTO NO	4	POD SEQUENCE NO 89
JULY 31,1964 13 HR 13 MIN 21 SEC 57		TAB NO	4 ALT	ATLAS PHOTO NO	4 R	POD SEQUENCE NO 89
TRAJECTORY DATA PHOTO DATA		SEC TO IMPACT 747.742	4 ALT	ATLAS PHOTO NO  LAT LON 5 -4.373 -33.635	4 R 3319.570	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.145 116.755
TRAJECTORY DATA		TAB NO	ALT 1584.11505	ATLAS PHOTO NO  LA1 LON 6 -4.373 -33.635 64.37942 INC. 0.809 -91.3 69.4 0.81C -90.4 .70. 0.876 -87.6 67. 0.791 -87.4 72.2 0.727 -93.4 74. 0.81E -93.1 68.	R 3319.570 D PHAZ EMIS 3 38.9 33.7	POD SEQUENCE NO 89  V PTH AZ 2.035 -73-145 116-755  ALPHA SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.709 -18.326 1732.88754 -52.4 2 -13.342 -17.759 1754.04720 -52.4 3 -11.046 -20.865 1693.04538 -57.3 4 -10.929 -15.469 1773.38530 -67.5 5 -15.891 -14.119 1837.46037 -53.6 6 -15.465 -19.917 1747.178087 -45.6	AZN 10.2 11.3 8.8 10.7 14.5 11.6 8.8	TAB NO  SEC TO IMPACT 747.742  AZSUN AZA -82.3 36.5 -82.2 34.9 -81.0 33.7 -82.1 28.9 -84.2 35.9 -82.0 41.0	ALT 1584-11503 A- 35-24829 35-22836 33-94812 35-54711 36-84381 35-03413	ATLAS PHOTO NO  LA1 LON 6 -4.373 -33.635 64.37942 INC. 0.809 -91.3 69.4 0.81C -90.4 .70. 0.876 -87.6 67. 0.791 -87.4 72.2 0.727 -93.4 74. 0.81E -93.1 68.	R 3319.570 D PHAZ EMIS 3 88.9 33.7 5 38.7 35.9 5 41.0 29.0 5 36.4 37.8 3 36.4 43.4 7 41.0 35.3	POD SEQUENCE NO 89  V PTH AZ 2.035 -73.145 116.755  ALPHA SCALE PT-PT 30.1 0. 0-1 30.6 .52.2331 1-2 25.5 115.26481 2-3 35.6 160.58614 3-4 36.0 158.38427 4-5 25.3 19.48492 5-6
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.709 -18.326 1732.88754 -52.4 2 -13.342 -17.759 1754.04720 -35.1 3 -11.046 -20.865 1693.04538 -57.3 4 -10.929 -15.469 1773.38530 -67.5 6 -15.891 -14.119 1837.46037 -53.6 6 -15.865 -19.931 1747.178087 -40.0 7 -11.046 -20.865 1693.04538 -57.3  JULY 31,1964 13 HR 13 MIN 42 SEC 896 TRAJECTORY DATA	AZN 10.2 11.3 8.8 10.7 14.5 11.6 8.8	TAB NO  SEC TC IMPACT 747.742  AZSUN AZA 86.2 3 36.5 8.2 2.2 34.9 8.1 0.9 33.7 8.2 1.2 28.9 8.2 0.4 1.0 8.2 0.5 1.0 33.7	ALT 1584-11505 A+ 35.24829 35.22836 33.94812 35.54711 36.84361 35.03413 33.94812	ATLAS PHOTO NO  LAT LON  -4.373 -33.635  8/A AZPHAZ INCE 0.809 -91.3 69.6 0.816 -90.4 70.0 0.876 -87.6 67. 0.791 -87.4 72. 0.816 -93.1 68. 0.876 -87.6 67.  ATLAS PHOTO NO	4 3319-570 D PHAZ EMIS 3 38-9 33-7 5 38-7 35-9 3 4-1.0 29-0 5 36-4 37-8 3 36-4 43-4 7 41-0 35-3 3 41-0 29-0	POD SEQUENCE NO 89  PTH A2 2.035 -73.145 116.755  ALPHA SCALE PT-PT 30.1 0. 0- 1 30.6 52.23331 1- 2 25.5 115.26481 2- 3 35.6 160.58614 3- 4 36.0 158.38427 4- 5 25.3 169.48492 5- 6 25.5 148.47742 6- 7
TRAJECTORY DATA  PHOTO DATA PI LAT LON RANGE AZS/C 1 -11.709 -18.326 1732.88754 -52.4 2 -13.342 -17.759 1754.04720 -32. 3 -11.046 -20.865 1693.04538 -57.3 4 -10.929 -15.469 1773.38530 -64.7 5 -15.891 -14.119 1837.46037 -53.6 6 -15.865 -19.937 1747.78087 -45.0 7 -11.046 -20.865 1693.04538 -57.3	AZN 10.2 11.3 8.8 10.7 14.5 11.6 8.8 5 MS	TAB NO  SEC TO IMPACT 747.742  AZSUN AZA -62.3 36.5 -82.2 34.9 -81.0 33.7  TAB NO  SEC TO IMPACT 725.904  AZSUN AZA -62.1 28.9 -82.0 41.0 -81.0 33.7  TAB NO  SEC TO IMPACT 725.904  AZSUN AZA -42.3 36.5 -82.2 34.9 -81.0 33.8 -82.6 29.1 -84.2 35.9 -82.1 35.9 -82.1 35.9 -82.1 35.9 -82.1 35.9	ALT 1584-11505 35-24829 35-224836 33-94812 35-54711 36-84361 35-03413 33-94812 5 ALT 1541-49576 Ae 34-34268 34-32297 33-07465 34-63115 35-88178 34-13241 33-07465	ATLAS PHOTO NO  LAT LON  -4.373 -33.635  8/A AZPHAZ INCC  0.809 -91.3 69.6  0.816 -90.4 70.  0.727 -93.4 74.  0.818 -93.1 68.  0.876 -87.6 67.  ATLAS PHOTO NO  LAT LCN  -4.474 -33.433  B/A AZPHAZ INCC  0.809 -91.3 69.  0.816 -90.4 70.  0.816 -87.6 67.  2.0.729 -93.4 74.  0.816 -90.4 70.  0.816 -87.6 67.	R 3319.570 PHAZ EMIS 8 38.9 33.7 5 38.7 35.9 5 34.10 29.0 5 36.4 37.8 3 36.4 43.3 3 41.0 29.0  PHAZ EMIS 7 38.9 33.5 5 8 3276.95 0 PHAZ EMIS 7 38.9 33.5 5 38.7 35.9 3 41.0 29.0 5 36.4 37.7 2 36.4 43.3 7 41.0 35.2 3 41.0 29.0	POD SEQUENCE NO 89  2
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.709 -18.326 1732.88754 -52.4 2 -13.342 -17.759 1754.04720 -23.4 3 -11.046 -20.865 1693.04538 -57.3 4 -10.929 -15.469 1773.38530 -67.3 5 -15.891 -14.119 1837.46037 -53.6 6 -15.865 -19.937 1747.78087 -45.0 7 -11.046 -20.865 1693.04538 -57.3  JULY 31,1964 13 HR 13 MIN 42 SEC 896 TRAJECTURY DATA PHOTO DATA PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.669 -18.407 1686.85860 -52.4 2 -13.314 -17.786 1708.96671 -55.1 3 -11.078 -20.807 1649.48384 -57.2 4 -10.866 -15.551 1727.68817 -64.5 5 -15.772 -19.902 1/02.79514 -45.1 7 -11.078 -20.807 1649.48384 -57.2  JULY 31,1964 13 HR 13 MIN 59 SEC 69	AZN 10-2 11-3 8-8 10-7 14-5 11-6 8-8 5 MS	TAB NO  SEC TO IMPACT 747.742  AZSUN AZA -82.3 36.5 -82.2 34.9 -84.0 41.0 -81.0 33.7  TAB NO  SEC TO IMPACT 725.904  AZSUN AZA -82.3 36.5 -82.2 34.9 -81.0 33.8 -82.6 29.1 -84.2 35.9 -82.1 49.8	ALT 1584-11505 35-24829 35-224836 33-94812 35-54711 36-84361 35-03413 33-94812 5 ALT 1541-49576 Ae 34-34268 34-32297 33-07465 34-63115 35-88178 34-13241 33-07465	ATLAS PHOTO NO  LAT LON  3/A AZPHAZ INCT  0.809 -91.3 69.4  0.810 -90.4 70.  0.727 -93.4 74.  0.810 -93.1 68.  0.876 -87.6 67.  ATLAS PHOTO NO  LAT LCN  -4.474 -33.433  B/A AZPHAZ INCT  0.809 -91.3 69.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.  0.810 -90.4 70.	R 3319.570 D PHAZ EMIS 8 38.9 33.7 5 38.7 35.9 5 34.1.0 29.0 5 36.4 37.8 7 41.0 35.3 3 41.0 29.0 D PHAZ EMIS 5 8 3276.95 O PHAZ EMIS 5 38.7 35.9 3 41.0 29.0 5 36.4 37.7 2 36.4 37.7 2 36.4 33.5 5 38.7 35.9 3 41.0 29.0 6	POD SEQUENCE NO 89  PTH AZ 2.035 -73.145 116.755  ALPHA SCALE PT-PT 30.1 0. 0-1 30.6 52.23331 1-2 25.5 115.26481 2-3 35.6 160.58614 3-4 36.0 158.38427 4-5 25.3 169.48492 5-6 25.5 148.47742 6-7  POD SEQUENCE NO 115  V PTH AZ 12.045 -72.994 116.729  ALPHA SCALE PT-PT 30.0 0. 0-1 30.6 53.16853 1-2 25.6 112.32609 2-3 35.5 156.41487 3-4 35.9 154.24233 4-5 25.3 165.01477 5-6 25.6 144.64849 6-7  POD SEQUENCE NO 135
TRAJECTORY DATA  PHOTO DATA  PI LAY LON RANGE AZS/C 1 -11.709 -18.326 1732.88754 -52.4 2 -13.342 -17.759 1754.04720 -32.4 3 -11.046 -20.865 1693.04538 -57.3 4 -10.929 -15.469 1773.38530 -67.5 5 -15.891 -14.119 1837.46037 -53.6 6 -15.865 -19.917 1747.178087 -45.6 7 -11.046 -20.865 1693.04538 -57.3  JULY 31,1964 13 HR 13 MIN 42 SEC 896  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.669 -18.407 1686.85H80 -52.4 2 -13.314 -17.776 1708.95671 -54.5 2 -13.314 -17.776 1708.9671 -57.2 4 -10.866 -15.551 1727.88817 -64.5 5 -15.772 -19.902 1702.79514 -45.1 7 -11.078 -20.807 1649.48384 -57.2	AZN 10-2 11-3 8-8 10-7 14-5 11-6 8-8 5 MS	TAB NO  SEC TO IMPACT 747.742  AZSUN AZA -62.3 36.5 -82.2 34.9 -81.0 33.7  TAB NO  SEC TO IMPACT 725.904  AZSUN AZA -62.1 28.9 -82.0 41.0 -81.0 33.7  TAB NO  SEC TO IMPACT 725.904  AZSUN AZA -42.3 36.5 -82.2 34.9 -81.0 33.8 -82.6 29.1 -84.2 35.9 -82.1 35.9 -82.1 35.9 -82.1 35.9 -82.1 35.9	4 ALT 1584-11505 A+ 35.24829 35.22836 33.94812 35.54711 36.88361 35.03413 33.94812 5 ALT 1541-4957. A+ 34.3247 32.07465 34.63115 35.89178 34.13241 33.07465	ATLAS PHOTO NO  LAT LON  -4.373 -33.035  8/A AZPHAZ INCE  0.809 -91.3 69.6  0.816 -90.4 70.  0.727 -93.4 74.  0.818 -93.1 68.  0.876 -87.6 67.  ATLAS PHOTO NO  LAT LCN  -4.474 -33.433  B/A AZPHAZ INCE  0.809 -91.3 69.  0.810 -90.4 70.  0.818 -99.1 70.  0.818 -99.4 74.  0.818 -99.4 76.  0.818 -99.4 76.  0.818 -99.4 76.  0.818 -93.1 68.  0.876 -87.6 67.  ATLAS PHOTO NO	R 3319.570 PHAZ EMIS 8 38.9 33.7 5 38.7 35.9 3 41.0 29.0 5 36.4 37.8 3 36.4 43.3 3 41.0 29.0 PHAZ EMIS 7 38.9 33.5 5 98.7 35.9 3 41.0 29.0 5 36.4 37.7 2 36.4 43.3 7 41.0 35.2 3 41.0 29.0	POD SEQUENCE NO 89  2
TRAJECTORY DATA  PHOTO DATA  PI LAT LON RANGE AZS/C 1 -11.709 -18.326 1732.88754 -52.4 2 -13.342 -17.759 1754.04720 -25.1 3 -11.046 -20.865 1693.04538 -57.3 4 -10.929 -15.469 1773.38530 -67.5 5 -15.891 -14.119 1837.46037 -53.6 6 -15.865 -19.931 1747.18087 -40.0 7 -11.046 -20.865 1693.04538 -57.3  JULY 31,1964 13 HR 13 MIN 42 SEC 896 TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.669 -18.407 1686.85860 -52.4 2 -13.314 -17.786 1708.96671 -57.2 4 -10.866 -15.551 1727.68817 -67.2 4 -10.866 -15.551 1727.68817 -67.2 5 -15.796 -14.240 1789.98079 -53.6 6 -15.772 -19.902 1/02.79514 -45.1 7 -11.078 -20.807 1649.48384 -57.2  JULY 31,1964 13 HR 13 MIN 59 SEC 69	AZN 10.2 11.3 8.8 10.7 14.5 11.6 8.8 6 MS	TAB NO  SEC TC IMPACT 747.742  AZSUN AZA -62.3 36.5 -82.2 34.9 -81.0 33.7  TAB NO  SEC TG IMPACT 725.904  AZSUN AZA -82.3 36.5 -82.2 34.9 -81.0 33.8  TAB NO  SEC TG IMPACT 709.105  AZSUN AZA -82.3 36.4 -81.0 33.8  TAB NO	ALT 1584:11505 A: 35.24829 35.22836 33.94812 35.54711 36.84381 35.03413 33.94812 5 ALT 1541.49576 A: 34.34368 34.34368 34.32297 33.07465 34.313241 33.07465	ATLAS PHOTO NO  LAT LON	R 3319.570 D PHAZ EMIS 8 38.9 33.7 5 38.7 35.9 3 41.0 29.0 5 36.4 37.8 7 41.0 35.3 3 41.0 29.0  PHAZ EMIS 7 38.9 33.5 5 38.7 35.9 3 41.0 29.0 6 R 3244.05	POD SEQUENCE NO 89  2

	RA-VII CAMER	A P3			<b>2</b> .
	TAB NO	7	ATLAS PHOTO NO	7	POD SEQUENCE NO 155
JULY 31,1964 13 HR 14 MIN 16 SEC 494 MS	. =				•
TRAJECTORY DATA	SEC TO IMPACT 692.306		LAT LCN -4.635 -33.112	R 3211.061	V PTH AZ 2.060 -72.755 116.688
PHOTO DATA PT LAT LCN RANGE AZS/C AZN	AZSUN AZA	Δ.	B/A AZPHAZ INCD	PHAZ EMIS	
1 -11.608 -18.531 1615.64047 -52.6 10.1	-82.3 36.3	32.96694	0.808 -91.3 69.6	39.0 33.3	29.8 0. 0-1
2 -13.267 -17.731 1640.40143 -55.2 11.3 3 -11.120 -20.643 1582.98314 -57.3 8.9	-82.2 34.8 -81.0 33.7		0.809 -90.4 70.5 0.874 -87.6 67.5		30.7 55.53269 1- 2 25.8 107.98104 2- 3
4 -10.916 -15.591 1658.41960 -64.4 10.8	-82.0 29.2	33.24263	0.791 -87.4 72.4	36.3 37.8	35.5 150.31098 3- 4
5 -15.647 -14.334 1718.13744 -53.7 14.3 6 -15.624 -19.769 1634.17886 -45.5 11.5	-84.2 35.8 -82.2 40.5	32.75695	0.817 -93.1 68.9	41.0 35.3	25.5 158.52169 5- 6
7 -11.120 -20.643 1582.98314 -57.3 8.9	-81.0 33.7	31.74120	0.874 -87.6 67.5	40.9 29.3	25.8 138.82728 6- 7
JULY 31,1964 13 HR 14 MIN 33 SEC 293 MS	TAB NO	8	ATLAS PHOTO NO	8	POD SEQUENCE NO 175
TRAJECTORY DATA	SEC TO IMPACT			R	V PTH AZ
PHOTO DATA	675.507	1442.51041	-4.718 -32.946	3177.966	2.067 -72.632 116.667
DT LAT LON DANCE ATCAC ATM	AZSUN AZA	A*	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
1 -11.578 -18.594 1579.84294 -52.7 10.1 2 -13.241 -17.721 1605.68492 -55.3 11.3 3 -11.139 -20.574 1549.36491 -57.3 9.0 4 -10.940 -15.627 1623.31393 -64.4 10.8	-82.4 36.3 -82.2 34.7	32.26990.	0.808 -91.3 69.5	39.1 33.1	29.7 0. 0-1 30.7 56.60614 1-2
3 -11.139 -20.574 1549.36491 -57.3 9.0	-81.0 33.7	31.06710	0.873 -87.7 67.6	40.9 29.4	25.9 105.75450 2- 3
4 -10.940 -15.627 1623.31393 -64.4 10.8 5 15.571 -14.399 1681.70314 -53.8 14.3	-82.0 29.2 -84.2 35.7	32.53893	0.791 -87.4 72.4 0.731 -93.5 74.0	36.3 37.8 36.4 43.1	35.5 147.17836 3- 4 35.8 144.85691 4- 5
6 -15.547 -19.717 1599.47426 -45.0 11.5	92.2 40.3	32.06129	0.817 -93.1 68.9	41.0 35.3	25.6 155.18299 5- 6
7 -11.139 -20.574 1549.36491 -57.3 9.0		31.06/10	U.813 -07.7 57.5	40 9 29.4	25.9 135.87781 6- 7
JULY 31,1964 13 HR 14 MIN 50 SEC 92 MS	TAB NO	9	ATLAS PHOTO NO	9	POD SEQUENCE NO 195
TRAJECTORY DATA	SEC TO IMPACT		LAT LCN	R	V PTH AZ
PHOTO DATA	658.708	1409.31281	-4.803 -32.777	3144.768	2.075 -72.507 116.645
PT LAT LON RANGE AZS/C AZN	AZ SUN AZ A				ALPHA SCALE PT-PT
1 -11.548 -18.657 1543.91664 -52.7 10.1 2 -13.214 -17.719 1570.70978 -55.3 11.3	-82.4 36.2	31.56768	0.808 -91.3 69.5 0.809 -90.4 70.6	39.1 33.0	29.5 0. 0-1 30.7 57.59751 1-2
3 -11.158 -20.512 1515.52280 -57.3 9.0	_01 1 22 7	20 20061	0 477 -07 7 47 4	40 9 20 4	24 0 102 40700 2- 2
4 -10.963 -15.672 1587.93219 -64.3 10.8	-82.0 29.3	31.82971	G.792 -87.4 72.4	36.3 37.8	26.0 103.49789 2-3 35.5 144.00236 3-4 35.7 141.66378 4-5 25.7 151.79562 5-6 26.0 132.90522 6-7
5 -15.492 -14.472 1e44.97128 -53.8 14.2 6 -15.470 -19.672 1564.52975 -45.8 11.5	-82.3 40.2	31.36683	C-817 -93-1 68-9	70 0 3E 3	25.7 151.79562 5- 6
				40.7 22.2	
7 -11.158 -20.512 1515.52280 -57.3 9.0	-81.1 33.7	30.38851	C.872 -87.7 67.6	40.9 29.4	26.0 132.90522 6- 7
•	-81.1 33.7 TAB NO		C.872 -87.7 67.6 ATLAS PHOTO NO	40.9 29.4	26.0 132.90522 6- 7 POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS	TAB NO	10	ATLAS PHOTO NO	10	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS TRAJECTORY DATA	TAB NO	1Ô	ATLAS PHOTO NO	10 R	
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JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 1 -11.520 -18.713 1511.47122 -52.8 10.1 2 -13.189 -17.720 1539.07678 -55.3 11.3 3 -11.175 -20.458 1484.92285 -57.3 9.0 4 -10.983 -15.714 1555.93100 -64.2 10.9	TAB NO  SEC TO IMPACT 643.569  AZSUN AZA -82.4 36.1 -82.3 34.7 -81.1 33.6 -81.9 29.4	ALT 1379.34590 A* 3C.93254 3G.91089 29.77493 31.18826	ATLAS PHOTO NO  LAT LCN 3 -4.881 -32.621  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.812 -87.7 67.7 0.792 -87.4 72.3	R 3114.801 PHAZ EMIS 39.2 32.9 38.6 36.0 40.9 29.5 36.3 37.8	POD SEQUENCE NO 213  V PTh A2 2.082 -72.392 116.625  ALPHA SCALE PT-PT 29.4 0. 0-1 30.7 58.46796 1-2 26.0 101.45289 2-3 35.5 141.12587 3-4
JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 1 -11.520 -18.713 1511.47122 -52.8 10.1 2 -13.189 -17.720 1539.07678 -55.3 11.3 3 -11.175 -20.458 1484.92285 -57.3 9.4 4 -10.983 -15.714 1555.93100 -64.2 5 -15.420 -14.541 1611.74687 -33.9 14.2	TAB NO SEC TO IMPACT 643.589  AZSUN AZA -82.4 36.1 -82.3 44.7 -81.1 33.6 -81.9 29.4 -84.2 35.6	ALT 1379.34599 A* 3C.93254 3G.91089 29.77493 11.18826 32.31750	ATLAS PHOTO NO  LAT LCN 3 -4.881 -32.621  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.872 -87.7 67.7 0.792 -87.4 72.8 0.733 -93.5 73.8	R 3114.801 PHAZ EMIS 39.2 32.9 38.6 36.0 40.9 29.5 36.3 37.8 36.3 43.0	POD SEQUENCE NO 213  V PTH AZ 2.082 -72.392 116.625  ALPHA SCALE PI-PT 29.4 0. 0- 1 30.7. 58.46796 1- 2 26.0 101.45289 2- 3 35.5 141.12587 3- 4 35.7 138.77492 4- 5
JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 1 -11.520 -18.713 1511.47122 -52.8 10.1 2 -13.189 -17.720 1539.07678 -55.3 11.2 3 -11.175 -20.458 1484.92285 -57.3 9.0 4 -10.983 -15.714 1555.93100 -64.2 10.9 5 -15.420 -14.541 1611.74687 -53.9 14.2 6 -15.398 -19.634 1532.92950 -45.9 11.5	TAB NO SEC TO IMPACT 643.589  AZSUN AZA -82.4 36.1 -82.3 44.7 -81.1 33.6 -81.9 29.4 -84.2 35.6	ALT 1379.34590 A+ 3C.93254 3C.91089 29.77493 11.18826 32.31790 3C.72740	ATLAS PHOTO NO  LAT LCN 3 -4.881 -32.621  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.812 -87.7 67.7 0.792 -87.4 72.3	R 3114.801 PHAZ EMIS 39.2 32.9 38.6 36.0 40.9 29.5 36.3 37.8 36.3 43.0 40.9 35.3	POD SEQUENCE NO 213  V PTH AZ 2.082 -72.392 116.625  ALPHA SCALE PI-PT 29.4 0. 0- 1 30.7. 58.46796 1- 2 26.0 101.45289 2- 3 35.5 141.12587 3- 4 35.7 138.77492 4- 5
JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 1 -11.520 -18.713 1511.47122 -52.8 10.1 2 -13.189 -17.720 1539.07678 -55.3 11.2 3 -11.175 -20.458 1484.92285 -57.3 9.0 4 -10.983 -15.714 1555.93100 -64.2 10.9 5 -15.420 -14.541 1611.74687 -53.9 14.2 6 -15.398 -19.634 1532.92950 -45.9 11.5	TAB NO  SEC TO IMPACT 643.589  AZSUN AZA -82.4 36.1 -82.3 144.7 -81.1 33.6 -81.9 29.4 -84.2 35.6 -82.3 40.0	ALT 1379.34591 A- 30.91254 30.91089. 29.77493 11.18826 32.31790 3C.72740 29.77493	ATLAS PHOTO NO  LAT LCN  -4.881 -32.621  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.812 -87.7 67.7 0.792 -87.4 72.3 0.733 -93.5 73.8 0.817 -93.2 69.0 0.872 -87.7 67.7	R 3114.801 PHAZ EMIS 39.2 32.9 38.6 36.0 40.9 29.5 36.3 37.8 36.3 43.0 40.9 35.3	POD SEQUENCE NO 213  V PTH AZ 2.082 -72.392 116.625  ALPHA SCALE PI-PT 29.4 0. 0-1 30.7. 58.46796 1-2 26.0 101.45289 2-3 35.5 141.12587 3-4 35.7 138.77492 4-5 25.7 148.72808 5-6
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JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 1 -11.520 -18.713 1511.47122 -52.8 10.1 2 -13.189 -17.720 1539.07678 -55.3 11.3 3 -11.175 -20.458 1484.92285 -57.3 9.0 4 -10.983 -15.714 1555.93100 -64.2 10.9 5 -15.420 -14.541 1611.74687 -33.9 14.2 6 -15.398 -19.634 1532.92950 -45.9 11.5 7 -11.175 -20.458 1484.92285 -57.3 9.0  JULY 31,1964 13 HR 15 MIN 22 SEC 10 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 1 -11.490 -18.776 1475.29460 -52.9 10.1 2 -13.159 -17.723 1503.74593 -55.4 11.3 3 -11.191 -20.400 1450.75658 -57.4 9.0 4 -11.003 -15.764 1520.18910 -64.2 10.9 5 -15.388 -14.620 1574.63403 -53.9 14.1 6 -15.317 -19.594 1497.64027 -46.1 11.7 7 -11.191 -20.400 1450.75658 -57.4 9.0  JULY 31,1964 13 HR 15 MIN 35 SEC 449 MS  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LON RANGE AZS/C AZY 1 - 14.164 - 21.8 23.0 164.35314 - 25.9 0 10.1	TAB NO  SEC TO IMPACT 643.589 AZSUN AZA -82.4 36.1 -81.4 33.6 -81.9 29.4 -84.2 35.6 -82.3 40.0 -81.1 33.6  TAR NO  SEC TO IMPACT 626.790 AZSUN AZA -82.4 36.1 -82.3 34.6 -61.9 29.4 -44.2 35.6 -82.4 39.9 -81.1 33.6  TAB NO	10  ALT 1379-34590  A. 3C.93254 3G.91089 29.77493 11.18826 3C.72740 29.77493  11  ALT 1345-9489  A. 3C.22310 3C.22310 3C.22310 3C.20130 29.08984 3C.47182 31.5773 3C.02032 29.08984 12  ALT 1319-1539	ATLAS PHOTO NO  LAT LCN  3 -4.881 -32.621  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.872 -87.7 67.7 0.792 -87.4 72.3 0.817 -93.2 69.0 0.872 -87.7 67.7  ATLAS PHOTO NO  LAT LON 7 -4.969 -32.444  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.871 -87.7 67.8 0.817 -93.2 69.0 0.871 -87.7 67.8 0.871 -87.7 67.8 0.871 -87.7 67.8 ATLAS PHOTO NO  LAT LCN 0.801 -91.4 69.4 0.805 -91.4 70.6 0.871 -87.7 67.8 0.871 -87.7 67.8  ATLAS PHOTO NO  LAT LCN 0.871 -87.7 67.8  ATLAS PHOTO NO	R 3114.801 PHAZ EMIS 39.2 32-9 .38.6 36-10 60.9 29.5 36.3 47.8 40.9 35.3 40.9 29.5 11  R 3081.404 PHAZ EMIS 39.2 32.7 38.5 36.0 40.9 29.6 36.3 37.7 38.5 36.0 40.9 29.6 36.3 37.7 38.5 36.0 40.9 29.6 36.3 37.7 36.3 62.9 40.9 29.6	POD SEQUENCE NO 213  V PTH A2 2.082 -72.392 116.625 ALPHA SCALE PI-PT 29.4 0. 0-1 30.7 58.46796 1-2 26.0 101.45289 2-3 35.5 141.12587 3-4 35.7 138.77492 4-5 25.7 148.72808 5-6 26.0 130.21609 6-7  POD SEQUENCE NO 233  V PTH A2 2.091 -72.262 116.602  ALPHA SCALE PI-PT 29.3 0. 0-1 30.7 59.38613 1-2 26.1 99.16331 2-3 35.4 137.90825 3-4 35.6 135.54660 4-5 26.1 127.21110 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.157 116.583  ALPHA SCALE PI-PT 2.097 -72.157 116.583
JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 1 -11.520 -18.713 1511.47122 -52.8 10.1 2 -13.189 -17.720 1539.07678 -55.3 11.3 3 -11.175 -20.458 1484.92285 -57.3 9.0 4 -10.983 -15.714 1555.93100 -64.2 10.9 5 -15.420 -14.541 1611.74687 -33.9 14.2 6 -15.398 -19.634 1532.92950 -45.9 11.5 7 -11.175 -20.458 1484.92285 -57.3 9.0  JULY 31,1964 13 HR 15 MIN 22 SEC 10 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 1 -11.490 -18.776 1475.29460 -52.9 10.1 2 -13.159 -17.723 1503.74593 -55.4 11.3 3 -11.191 -20.400 1450.75658 -57.4 9.0 4 -11.003 -15.764 1520.18910 -64.2 10.9 5 -15.388 -14.620 1574.63403 -53.9 14.1 6 -15.317 -19.594 1497.64027 -46.1 11.7 7 -11.191 -20.400 1450.75658 -57.4 9.0  JULY 31,1964 13 HR 15 MIN 35 SEC 449 MS  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PT LAT LON RANGE AZS/C AZY 1 - 14.164 - 21.8 23.0 164.35314 - 25.9 0 10.1	TAB NO  SEC TO IMPACT 643.589 AZSUN AZA -82.4 36.1 -81.4 33.6 -81.9 29.4 -84.2 35.6 -82.3 40.0 -81.1 33.6  TAR NO  SEC TO IMPACT 626.790 AZSUN AZA -82.4 36.1 -82.3 34.6 -61.9 29.4 -44.2 35.6 -82.4 39.9 -81.1 33.6  TAB NO	10  ALT 1379-34590  A. 3C.93254 3G.91089 29.77493 11.18826 3C.72740 29.77493  11  ALT 1345-9489  A. 3C.22310 3C.22310 3C.22310 3C.20130 29.08984 3C.47182 31.5773 3C.02032 29.08984 12  ALT 1319-1539	ATLAS PHOTO NO  LAT LCN  3 -4.881 -32.621  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.872 -87.7 67.7 0.792 -87.4 72.3 0.817 -93.2 69.0 0.872 -87.7 67.7  ATLAS PHOTO NO  LAT LON 7 -4.969 -32.444  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.871 -87.7 67.8 0.817 -93.2 69.0 0.871 -87.7 67.8 0.871 -87.7 67.8 0.871 -87.7 67.8 ATLAS PHOTO NO  LAT LCN 0.801 -91.4 69.4 0.805 -91.4 70.6 0.871 -87.7 67.8 0.871 -87.7 67.8  ATLAS PHOTO NO  LAT LCN 0.871 -87.7 67.8  ATLAS PHOTO NO	R 3114.801 PHAZ EMIS 39.2 32-9 .38.6 36-10 60.9 29.5 36.3 47.8 40.9 35.3 40.9 29.5 11  R 3081.404 PHAZ EMIS 39.2 32.7 38.5 36.0 40.9 29.6 36.3 37.7 38.5 36.0 40.9 29.6 36.3 37.7 38.5 36.0 40.9 29.6 36.3 37.7 36.3 62.9 40.9 29.6	POD SEQUENCE NO 213  V PTH A2 2.082 -72.392 116.625 ALPHA SCALE PI-PT 29.4 0. 0-1 30.7 58.46796 1-2 26.0 101.45289 2-3 35.5 141.12587 3-4 35.7 138.77492 4-5 25.7 148.72808 5-6 26.0 130.21609 6-7  POD SEQUENCE NO 233  V PTH A2 2.091 -72.262 116.602  ALPHA SCALE PI-PT 29.3 0. 0-1 30.7 59.38613 1-2 26.1 99.16331 2-3 35.4 137.90825 3-4 35.6 135.54660 4-5 26.1 127.21110 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.157 116.583  ALPHA SCALE PI-PT 2.097 -72.157 116.583
JULY 31,1964 13 HR 15 MIN 5 SEC 211 MS  TRAJECTORY DATA  PHOTO DATA PY LAT LON RANGE AZS/C AZN 1 -11.520 -18.713 1511.47122 -52.8 10.1 2 -13.189 -17.720 1539.07678 -55.3 11.2 3 -11.175 -20.458 1484.92285 -57.3 9.0 4 -10.983 -15.714 1555.93100 -64.2 10.9 5 -15.420 -14.541 1611.74687 -53.9 14.2 6 -15.388 -19.634 1532.92950 -45.9 11.5 7 -11.175 -20.458 1484.92285 -57.3 9.0  JULY 31,1964 13 HR 15 MIN 22 SEC 10 MS  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LON RANGE 42S/C AZN 1 -11.99 -17.723 1503.74593 -55.4 11.3 3 -11.191 -20.400 1450.75658 -57.4 9.0 4 -11.003 -15.764 1520.18910 -64.2 10.9 5 -15.338 -14.620 1574.63403 -53.9 14.1 6 -15.337 -19.594 1497.64027 -46.1 11.5 7 -11.191 -20.400 1450.75658 -57.4 9.0  JULY 31,1964 13 HR 15 MIN 35 SEC 449 MS  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LON RANGE AZS/C AZN PAGE AZS/C AZ	TAB NO  SEC TO IMPACT 643.589 AZSUN AZA -82.4 36.1 -81.4 33.6 -81.9 29.4 -84.2 35.6 -82.3 40.0 -81.1 33.6  TAR NO  SEC TO IMPACT 626.790 AZSUN AZA -82.4 36.1 -82.3 34.6 -61.9 29.4 -44.2 35.6 -82.4 39.9 -81.1 33.6  TAB NO	10  ALT 1379-34590  A. 3C.93254 3G.91089 29.77493 11.18826 3C.72740 29.77493  11  ALT 1345-9489  A. 3C.22310 3C.22310 3C.22310 3C.20130 29.08984 3C.47182 31.5773 3C.02032 29.08984 12  ALT 1319-1539	ATLAS PHOTO NO  LAT LCN  3 -4.881 -32.621  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.872 -87.7 67.7 0.792 -87.4 72.3 0.817 -93.2 69.0 0.872 -87.7 67.7  ATLAS PHOTO NO  LAT LON 7 -4.969 -32.444  B/A AZPHAZ INCD 0.808 -91.4 69.4 0.809 -90.4 70.6 0.871 -87.7 67.8 0.817 -93.2 69.0 0.871 -87.7 67.8 0.871 -87.7 67.8 0.871 -87.7 67.8 ATLAS PHOTO NO  LAT LCN 0.801 -91.4 69.4 0.805 -91.4 70.6 0.871 -87.7 67.8 0.871 -87.7 67.8  ATLAS PHOTO NO  LAT LCN 0.871 -87.7 67.8  ATLAS PHOTO NO	R 3114.801 PHAZ EMIS 39.2 32-9 .38.6 36-10 60.9 29.5 36.3 47.8 40.9 35.3 40.9 29.5 11  R 3081.404 PHAZ EMIS 39.2 32.7 38.5 36.0 40.9 29.6 36.3 37.7 38.5 36.0 40.9 29.6 36.3 37.7 38.5 36.0 40.9 29.6 36.3 37.7 36.3 62.9 40.9 29.6	POD SEQUENCE NO 213  V PTH A2 2.082 -72.392 116.625 ALPHA SCALE PI-PT 29.4 0. 0-1 30.7 58.46796 1-2 26.0 101.45289 2-3 35.5 141.12587 3-4 35.7 138.77492 4-5 25.7 148.72808 5-6 26.0 130.21609 6-7  POD SEQUENCE NO 233  V PTH A2 2.091 -72.262 116.602  ALPHA SCALE PI-PT 29.3 0. 0-1 30.7 59.38613 1-2 26.1 99.16331 2-3 35.4 137.90825 3-4 35.6 135.54660 4-5 26.1 127.21110 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.157 116.583  ALPHA SCALE PI-PT 2.097 -72.157 116.583

RA-VII CAMERA P3

	TAR NO	13	ATLAS PHOTO NO	13	POD SEQUENCE NO 267
JULY 31,1964 13 HR 15 MIN 50 SEC 568 MS					
TRAJECTORY DATA	SEC TO IMPACT 598.231	ALT 1288.92587	LAT LCN -5.123 -32.135	R 3024.381	V PTH AZ 2.105 -72.036 116.562
PHOTO DATA PT LAT LCN RANGE AZS/C AZN		Δ.	B/A AZPHAZ INCD		
PT LAT LCN RANGE AZS/C AZN 1 -11.438 -18.883 1413.48285 -53.0 10.1			0.808 -91.4 69.3	39.4 32.5	29.1 0. 0-1
2 -13.098 -17.739 1443.11598 -55.5 11.3	-82.3 34.5	28.98361 (	0.809 -90.4 70.5	38.5 36.0	30.8 60.59098 1- 2
3 -11.209 -20.310 1.92.17763 -57.4 9.1		27.91524		40.8 29.7	26.2 95.20780 2- 3 35.4 132.37128 3- 4
4 -11.029 -15.860 1458.87027 -64.1 10.9		29.24272 ( 3G.29517 (		36.3 37.7 36.3 42.7	
5 -15.186 -14.768 1510.90015 -54.0 14.0 6 -15.167 -19.536 1437.07806 -46.3 11.4		28.80608			25.9 139.38549 5- 6
7 -11.209 -20.310 1392.17763 -57.4 9.1		27.91524		40.8 29.7	26.2 122.03592 6- 7
	TAB NO	14	ATLAS PHOTO NO	14	POD SEQUENCE NO 287
JULY 31,1964 13 HR 16 MIN 7 SEC 367 MS	IAB NO	14	AILAS PHOTO NO	14	TOD SEQUENCE IND LOS
				R	V PTH AZ
TRAJECTURY DATA	SEC TO IMPACT 581.432	ALT 1255-23158	LAT LGN -5.216 -31.947	2990.689	2.114 -71.899 116.538
PHOTO DATA					
	AZSUN AZA	A* 26.28237	674 AZPHAZ INCD 0.808 -91.4 69.2	39.4 32.4	
1 +11.408 -18.945 1376.93565 -53.1 10.6 2 -13.056 -17.755 1407.11932 -55.5 11.5		28.26065	0.809 -90.4 70.5	38.5 36.0	30.8 61.09512 1-2
3 -11.214 -20.261 1357.42642 -57.5 9.		27.21843	0.869 -87.7 67.9	40.8 29.8	26.3 92.84525 2- 3
4 -11.039 -15.922 1422.47440 -64.0 10.	-81.8 29.6	28.51319	0.793 -87.4 72.1	36.2 37.7	35.3 129.07635 3- 4
5 -15.091 -14.862 1473.03845 -54.1 13.9		29.53659	0.737 -93.5 73.5	36.3 42.6	35.4 126.66328 4- 5 25.9 135.86434 5- 6
6 -15.072 -19.508 1401.11369 -46.5 11. 7 -11.214 -20.261 1357.42642 -57.5 9.	-82.5 39.4 -81.1 33.5	28.08532		40.9 35.3	26.3 118.95347 6- 7
7 -11.214 -20.261 1357.42642 -37.5 9.	-01-1 33-3	27.21643	0.009 -01.1 07.49	40.0 27.0	_
JULY 31+1964 13 HR 16 MIN 22 SEC 486 MS	TAB NO	15	ATLAS PHOTO NO	15	POD SEQUENCE NO 305
	ere To TuoteT	AL T	LAT LCN	к	V PIH AZ
TRAJECTORY DATA	SEC TO IMPACT 566.313	1224.81378	-5.302 -31.775		2.122 -71.773 116.515
PHOTO DATA PT LAT LON RANGE AZS/C AZ	N AZSUN AZA	A •	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
1 -11.381 -19.002 1343.92195 -53.2 10.0		27.62640	0.808 -91.4 69.1	39.5 32.2	28.9 0. 0-1
2 -13.015 -17.776 1374.46541 -55.6 11.	2 -82.3 34.4	27.60482	0.810 -90.4 70.5	38.5 35.9	30.7 61.37300 1- 2
3 -11.216 -20.224 1325.92659 -57.5 9.		26.58680		40.8 29.8	26.3 90.68972 2- 3 35.3 126.07426 3- 4
4 -11.045 -15.986 1389.45499 -64.0 10.7 5 -15.001 -14.955 1438.67018 -54.2 13.		27.85135 28.84745		36.2 37.6 36.3 42.5	35.3 123.64562 4- 5
5 -15.001 -14.955 1438.67018 -54.2 13. 6 -14.983 -19.489 1368.50838 -46.7 11.		27.43165	0.81t -93.2 69.1	40.9 35.3	26.0 132.65373 5- 6
7 -11.216 -20.224 1325.92659 -57.5 9.		26.58680	0.869 -87.7 67.9	40.8 29.8	26.3 116.15270 6- 7
	<b>715.116</b>			16	DOD SECHENCE NO. 319
JULY 31,1964 13 HR 16 MIN 34 SEC 245 MS	TAB NO	16	ATLAS PHOTO NO	16	POD SEQUENCE NO 319
			ATLAS PHOTO NO		•
JULY 31,1964 13 HR 16 MIN 34 SEC 245 MS TRAJECTORY DATA	TAB NO	ALT		<sub>R</sub>	
TRAJECTORY DATA PHOTO DATA	SEC TO EMPACT 554.554	AL T 1201.08581	ATLAS PHOTO NO  LAT LCN -5.370 -31.638	2936.545	V PTH AZ 5 2.128 -71.674 116.497
TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZSZC AZ	SEC TO EMPACT 554.554 N AZSUN AZA	AL T 1201.08581	ATLAS PHOTO NO  LAT LCN -5.370 -31.638 B/A AZPHAZ INCD	2936.545 PHAZ EMIS	V PTH AZ 2.128 -71.674 116.497 ALPHA SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZSZC AZ 1 -11.360 -19.046 1318.16409 -53.2 10.	SEC TO EMPACT 554-554 N AZSUN AZA D -82-5 35-7	ALT 1201.08981 A* 27.11319	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1	2936.545 PHAZ EMIS 39.5 32.1	V PTH AZ 5 2.128 -71.674 116.497
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/5/C AZ  1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.940 -17.795 1348.92137 -55.6 11.	SLC TO IMPACT 554.554 N AZSUN AZA D -82.5 35.7 2 -82.3 34.4	ALT 1201.08981 A* 27.11319 27.09160 26.09294	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.810 -90.4 70.5 0.865 -87.7 68.0	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8	V PTH AZ 2.128 -71.674 116.497 ALPHA SCALE PT-PT 28.8 0. 0- 1 30.7 61.48628 1- 2 26.4 88.99763 2- 3
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZSZC AZ 1 - 11.360 - 19.046 1318.1640953.2 10. 2 - 12.980 - 17.795 1348.9213755.6 11. 3 - 11.215 - 20.197 1301.29678 - 57.5 9 4 - 11.047 - 16.038 1363.6279 - 64.0 10.	SLC TO IMPACT 554.554 N AZSUN AZA D -82.5 35.7 2 -82.3 34.4 -81.1 33.5 9 -81.8 29.7	ALT 1201.08581 A* 27.11319 27.09160 26.09294 27.33371	LAT LCN -5.370 -31.638  BYA AZPHAZ INCU 0.809 -91.4 69.1 0.809 -90.4 70.5 0.805 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0	2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6	V PTH AZ  0 2.128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0- 1 30.7 61.48628 1- 2 26.4 88.99763 2- 3 35.2 123.72313 3- 4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/5/C A/ 1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62479 -64.0 16. 5 -14.429 -15.031 1411.77643 -54.2 13.	SLC TO IMPACT 554.554 N AZSUN AZA D -82.5 35.7 2 -82.3 34.4 1 -81.1 33.5 9 -81.8 29.7 8 -84.1 35.2	ALT 1201-08581 A* 27-11319 27-09160 26-09294 27-33371 28-30819	ATLAS PHOTO NO  LAI LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 C.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4	V PTH AZ 2.128 -71.674 116.497 ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 121.27975 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ  1 -11.360 -194.046 1318.16409 -53.2 10.  2 -12.980 -17.795 1348.92137 -55.6 11.  3 -11.215 -20.197 1301.29678 -57.5 9.  4 -11.047 -16.038 1363.6279 -64.0 10.  5 -14.929 -15.031 1411.77643 -54.2 13.  6 -14.911 -19.477 1342.99028 -46.8 11.	SLC TO IMPACT 554.554 N AZSUN AZA D -82.5 35.7 -81.1 33.5 H -81.8 29.7 H -81.8 29.7 B -82.6 39.1	ALT 1201.08581 A* 27.11319 27.09160 26.09294 27.33371 28.30819 26.92028	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -93.5 73.3 0.81E -93.2 09.1	R 2936.545 PHAZ EMIS 39.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2	V PTH AZ 2.128 -71.674 116.497 ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 121.27975 4-5 26.0 130.13819 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/5/C A/ 1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62479 -64.0 16. 5 -14.429 -15.031 1411.77643 -54.2 13.	SLC TO IMPACT 554.554 N AZSUN AZA 0 -82.5 35.7 2 -82.3 34.4 1 -81.1 33.5 9 -81.8 29.7 8 -84.1 35.2 3 -82.6 39.1	ALT 1201-08581 A* 27-11319 27-09160 26-09294 27-33371 28-30819	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -93.5 73.3 0.81E -93.2 09.1	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4	V PTH AZ  2 2.128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 20.4 88.99763 2-3 35.2 123.72313 3-4 35.2 123.72313 3-5 26.0 130.13819 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ  1 -11.360 -194.046 1318.16409 -53.2 10.  2 -12.980 -17.795 1348.92137 -55.6 11.  3 -11.215 -20.197 1301.29678 -57.5 9.  4 -11.047 -16.038 1363.6279 -64.0 10.  5 -14.929 -15.031 1411.77643 -54.2 13.  6 -14.911 -19.477 1342.99028 -46.8 11.	SLC TO IMPACT 554.554 N AZSUN AZA D -82.5 35.7 -81.1 33.5 H -81.8 29.7 H -81.8 29.7 B -82.6 39.1	ALT 1201.08581 A. 27.11319 27.09160 26.09294 27.33371 28.30819 26.92028 26.09294	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -93.5 73.3 0.81E -93.2 09.1	R 2936.545 PHAZ EMIS 39.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2	V PTH AZ 2.128 -71.674 116.497 ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 121.27975 4-5 26.0 130.13819 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/5/C AZ  1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62979 -64.0 10. 5 -14.929 -15.031 1411.77643 -54.2 13. 6 -14.911 -19.477 1342.99628 -46.8 11. 7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS	SLC TO IMPACT 554-554  N AZSUN AZA 0 -82-5 35-7 2 -82-3 34-4 1 -81-1 33-5 9 -81-8 29-7 8 -84-1 35-2 3 -82-6 39-1 1 -81-1 33-5  TAB NO	ALT 1201.08981 A• 27.11319 27.09160 26.09294 27.33371 28.30819 26.92028 26.09294	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  0.809 -91.4 69.1  0.809 -91.4 70.5  0.805 -87.7 68.0  0.794 -87.4 72.0  0.794 -87.4 72.0  0.740 -93.5 73.3  0.816 -93.2 69.1  0.869 -87.7 68.0  ATLAS PHOTO NO	R 2936.54: PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 40.9 35.2 40.8 29.8	V PTH AZ  2-128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 123.72313 3-4 35.2 121.27975 4-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/5/C AZ 1 - 11.360 - 19.046 1318.16409 - 53.2 10. 2 - 12.980 - 17.795 1348.92137 - 55.6 0 11. 3 - 11.215 - 20.197 1301.29678 - 57.5 9. 4 - 11.047 - 10.038 1363.62479 - 64.0 10. 5 - 14.927 - 15.031 1411.77643 - 54.2 13. 6 - 14.911 - 19.477 1342.99628 - 46.8 11. 7 - 11.215 - 20.197 1301.29678 - 57.5 9.	SLC TO IMPACT 554.554  N AZSUN AZA 0 -82.5 35.7 2 -82.3 34.4 1 -81.1 33.5 9 -81.8 29.7 3 -82.6 39.1 1 -81.1 33.5	ALT 1201.08981 A• 27.11319 27.09160 26.09294 27.33371 28.30819 26.92028 26.09294	ATLAS PHOTO NO  LAI LCN -5.370 -31.638  B/A AZPHAZ INCU 0.809 -91.4 69.1 0.809 -91.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -87.4 69.1 0.869 -87.7 68.0  ATLAS PHOTO NO	R 2936.54: PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 40.9 35.2 40.8 29.8	V PTH AZ  0 2.128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 20.4 88.99763 2-3 35.2 123.72313 3-4 35.2 123.72313 3-4 35.2 123.727975 4-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/S/C AZ 1 -11.360 -19.046 1318.16409 -53.2 10.2 2 -12.980 -17.795 1348.92137 -55.6 11.3 3 -11.215 -20.197 1301.29678 -57.5 9.4 -11.047 -16.038 1363.62979 -64.0 10.5 -14.929 -15.031 1411.77643 -59.2 13.6 -14.911 -19.477 1342.99628 -46.8 11.7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS TRAJECTORY DATA PHOTO DATA	SLC TO IMPACT 554.554  N AZSUN AZA 0 -82.5 35.7 2 -82.3 34.4 1 -81.1 33.5 9 -81.8 29.7 3 -82.6 39.1 1 -81.1 33.5  TAB NO SLC TO IMPACT 542.795	ALT 1201-08581 A-1 27-11319 27-09160 26-09294 27-33371 28-30819 26-92028 26-09294 17	ATLAS PHOTO NO  LAI LCN -5.370 -31.638  B/A AZPHAZ INCU 0.809 -91.4 69.1 C.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -87.4 69.1 C.869 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 9 -5.439 -31.499	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.9976 2-3 35.2 123.72313 3-4 35.2 123.72313 3-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ 4.2.134 -71.573 116.479
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ  1 -11.360 -19.046 1318.16409 -53.2 10.2  2 -12.980 -17.795 1348.92137 -55.6 11.3  3 -11.215 -20.197 1301.29678 -57.5 9.4 -11.047 -16.038 1363.62790 -64.0 10.5  5 -14.929 -15.031 1411.77643 -54.2 13.6 -14.911 -19.477 1342.99628 -64.8 11.7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1964 13 HR 16 MIN 46 SEC 5 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ	SLC TO IMPACT 554.554  N AZSUN AZA 0 -82.5 35.7 2 -82.3 34.4 1 -81.1 33.5 9 -81.8 29.7 8 -84.1 35.2 1 -81.1 33.5  TAB NC  SLC TO IPPACT 542.795 N AZSUN AZA	ALT 1201-08981 A* 27.11319 27.09160 26.09294 27.33371 28.30819 26.92028 26.09294 17 ALT 1177-30855	ATLAS PHOTO NO  LAT   CN   -5.370   -31.638   B/A AZPHAZ   INCD   0.809   -91.4   69.1   0.805   -87.7   68.0   0.794   -87.4   72.5   0.794   -87.4   72.5   0.869   -87.7   68.0   ATLAS PHOTO NO  LAT   LCN   0.5-5.439   -31.499   U/A AZPHAZ   INCO	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 123.72313 3-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ 4.2.134 -71.573 116.479  ALPHA SCALE PT-PT 28.7 0. 0-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/S/C AZ  1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62979 -64.0 10. 5 -14.929 -15.031 1411.77643 -54.2 13. 6 -14.911 -19.477 1342.99628 -46.8 11. 7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -11.339 -19.090 1292.33447 -53.3 10.	SLC TO IMPACT 554-554  N AZSUN AZA 0 -82-3 35-7 2 -82-3 34-4 1 -81-1 33-5 9 -81-8 29-7 3 -82-6 39-1 1 -81-1 33-5  TAB NO SLC TO IMPACT 542-795  N AZSUN AZA 0 -82-5 35-6	ALT 1201-08581 A** 27.11319 27.09160 26.09294 27.33371 28.30819 26.92028 26.09294 17 ALT 1177.30855	ATLAS PHOTO NO  LAI LCN -5,370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 C.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -87.4 69.1 C.869 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 0.5439 -31.499  B/A AZPHAZ INCO 0.809 -91.4 69.1	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0	V PTH AZ  2-128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 33.2 121.27975 4-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ 4 2.134 -71.573 116.479  ALPHA SCALE PT-PT 28.7 0. 0-1 40.7 61.52554 1-2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ  1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62479 -64.0 10. 5 -14.929 -15.031 1411.77643 -54.2 13. 6 -14.911 -19.477 1342.99628 -64.8 11. 7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PH LAT LON RANGE AZSZC AZ  1 -11.339 -19.090 1292.33447 -53.3 10. 2 -12.944 - 17.816 123.25505 -55.7 11.	SLC TO IMPACT 554-554  N AZSUN AZA 0 -82-3 35-7 2 -82-3 34-4 1 -81-1 33-5 9 -81-8 29-7 3 -82-6 39-1 1 -81-1 33-5  TAB NO  SLC TO IMPACT 542-755  N AZSUN AZA 0 -82-5 35-0 2 -82-3 34-3 1 -81-1 33-4	ALT 1201-08581 A* 27.11319 27.091E0 26.09294 27.33371 28.30819 26.92028 26.09294 17 ALT 1177-30859 A* 26.57631 25.59686	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCU 0.809 -91.4 69.1 0.809 -91.4 70.5 0.809 -87.7 68.0 0.794 -87.4 72.0 0.794 -93.5 73.3 0.816 -93.2 99.1 0.869 -87.7 68.0  ATLAS PHOTO NO  LAT LCN 9 -5.439 -31.499  B/A AZPHAZ INCO 0.809 -91.4 69.1 0.809 -91.4 69.1 0.810 -90.4 70.5 0.869 -87.7 68.0	R 2936.54! PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17  R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT 26.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 123.72313 3-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ 2.134 -71.573 116.479  ALPHA SCALE PT-PT 28.7 0. 0-1 30.7 61.52554 1-2 26.4 87.29352 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ  1 = 11.360 - 194.046 1318.16409 - 53.2 10. 2 = 12.980 - 17.795 1340.92137 - 55.6 11. 3 = 11.215 - 20.197 1301.29678 - 57.5 9. 4 = 11.047 - 16.038 1363.6279 - 64.0 10. 5 = 14.929 - 15.031 1411.77643 - 54.2 13. 6 = 14.911 - 19.477 1342.99628 - 64.8 11. 7 - 11.215 - 20.197 1301.29678 - 57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTURY DATA  PHOTO DATA  PH LAT LON RANGE AZSZC AZ  1 = 11.339 - 19.090 1292.33447 - 53.3 10. 2 = 12.344 - 17.816 123.25505 - 55.7 11. 3 = 11.212 - 20.172 1276.55685 - 77.6 9. 4 = 11.147 - 10.072 1337.68224 - 64.0 10.	SLC TO IMPACT 554-554  N AZSUN AZA 0 -82-5 35-7 2 -82-3 34-4 1 -81-1 33-5 9 -81-8 29-7 3 -82-6 39-1 1 -81-1 33-5  TAB NC  StC TG IMPACT 542-795  N AZSUN AZA 0 -82-5 35-6 0 -82-5 35-3 1 -81-1 33-4 1 -81-1 33-4	ALT 1201.08581 A* 27.11319 27.09160 26.09294 27.33371 28.30819 26.92028 26.09294 17 ALT 1177.30655 A* 26.59749 26.59749 26.59749 26.59749 26.59749 26.59749	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -87.7 68.0  ATLAS PHOTO NO  LAT LCN 3 -5.439 -31.499  B/A AZPHAZ INCO 0.809 -91.4 69.1 0.809 -91.4 69.1 0.805 -87.7 68.0	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9 40.8 29.9	V PTH AZ  2-128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 123.72313 3-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ 4.2.134 -71.573 116.479  ALPHA SCALE PT-PT 28.7 0. 0-1 30.7 61.52554 1-2 26.4 87.29352 2-3 35.2 121.35836 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/5/C AZ 1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62979 -64.0 10. 5 -14.929 -15.031 1411.77643 -54.2 13. 6 -14.911 -19.477 1342.99628 -46.8 11. 7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1964 13 HR 16 MIN 46 SEC 5 MS  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZ5/C AZ 1 -11.339 -19.090 1292.33447 -53.3 10. 2 -12.344 -17.816 123.2555 -55.7 1. 3 -11.212 -20.172 1276.55685 -57.6 9. 4 -11.047 -16.092 137.68324 -64.0 10. 5 -14.854 -15.109 184.74957 -54.3 13.	SLC TO IMPACT 554.554  N AZSUN AZA 0 -82.5 35.7 2 -82.3 34.4 1 -81.1 33.5 9 -81.8 29.7 8 -84.1 35.2 TAB NC  SLC TO IMPACT 542.795  N AZSUN AZA 0 -82.5 35.6 0 -82.5 35.6 2 -82.3 34.3 1 -81.1 33.4 9 -81.8 29.7 -84.1 33.4	ALT 1201.08581 A• 27.11319 27.09160 26.09294 27.33371 28.30819 26.9292 26.09294 17 ALT 1177.30659 40 26.59749 26.57631 25.59686 26.81364 27.76626	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 C.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.744 -93.5 73.3 0.818 -93.2 69.1 0.869 -87.7 68.0  ATLAS PHOTO NO  LAT 1 LCN 3 -5.439 -31.499  B/A AZPHAZ INCO 0.869 -91.4 69.1 C.810 -90.4 70.5 C.869 -87.7 68.0  C.794 -87.4 72.0 C.794 -87.4 72.0 C.794 -87.4 72.0 C.794 -87.4 72.0	R 2936.54! PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8  17  R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9 36.2 37.5 36.3 42.3	V PTH AZ  2 2.128 -71.674 116.497  ALPHA SCALE PT-PT  28.8 0. 0-1  30.7 61.48628 1-2  26.4 88.99763 2-3  35.2 123.72313 3-4  35.2 121.27975 4-5  26.0 130.13819 5-6  26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTP AZ  2.134 -71.573 116.479  ALPHA SCALE PT-PT  28.7 0. 0-1  30.7 61.52554 1-2  26.4 87.29352 2-3  35.2 121.35836 3-4  35.2 118.90008 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/S/C AZ 1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62979 -64.0 10. 5 -14.929 -15.031 1411.77643 -54.2 13. 6 -14.911 -19.477 1342.99628 -46.8 11. 7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -11.339 -19.090 1292.33447 -53.3 10. 2 -12.944 -17.816 1323.25505 -55.7 11. 3 -11.212 -20.172 1276.55685 -57.6 9. 4 -11.047 -16.092 1337.68324 -64.0 10. 5 -14.854 -15.109 184.74957 -54.3 16. 6 -14.837 -19.468 1317.36288 -46.9 11.	SLC TO IMPACT 554-554  N AZSUN AZA 0 -82-5 35-7 2 -82-3 34-4 1 -81-1 33-5  TAB NC  SLC TG IMPACT 542-795  N AZSUN AZA 0 -82-5 35-0 0 -82-5 35-0 0 -82-5 35-0 1 -81-1 33-6 2 -82-5 35-0 7 -84-1 35-2 7 -84-1 35-2 3 -82-6 39-0	ALT 1201.08581 A• 27.11319 27.091£0 26.09244 27.33371 28.30819 26.92028 26.09294 ) 17 ALT 1177.30855 A• 26.59749 26.59749 26.59631 25.59686 26.81364 27.76626	ATLAS PHOTO NO  LAI LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.801 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -87.4 69.1 0.869 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 0.75.439 -31.499  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9 40.8 29.9 40.8 29.9 40.8 29.9	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 123.72313 3-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ 4.134 -71.573 116.479  ALPHA SCALE PT-PT 28.7 0. 0-1 30.7 61.52554 1-2 26.4 87.29352 2-3 35.2 121.35836 3-4 35.2 121.35836 3-4 35.2 127.50781 5-6
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ 1 = 11.360 = 149.046 1318.16409 = -53.2 10.2 2 = 12.980 = 17.795 1348.92137 = -55.6 11.3 3 = 11.215 = 20.197 1301.29678 = -57.5 9.4 - 11.047 = 16.038 1363.62479 = 64.0 10.5 - 14.929 = 15.031 1411.77643 = -54.2 13.6 - 14.911 = 19.477 1342.99628 = 64.8 11.7 - 11.215 = 20.197 1301.29678 = -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ 1 = 11.339 = 19.090 1292.33447 = -53.3 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	SLC TO IMPACT 554.554  N AZSUN AZA 1 -82.3 35.7 2 -82.3 34.4 1 -81.1 33.5 9 -81.8 29.7 8 -84.1 35.2 TAB NC  SLC TG IMPACT 542.795  N AZSUN AZA 0 -82.5 35.6 2 -82.3 34.3 1 -81.1 33.4 1 -81.1 33.5	ALT 1201-08581 A** 27.11319 27.09160 26.09294 27.33371 28.30819 26.92028 26.09294 17 ALT 1177.30855 A** 26.59749 26.57631 25.59686 27.76626 27.76626 26.40648 25.59686	ATLAS PHOTO NO  LAI CN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 C.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 C.809 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 9 -5.439 -31.499  U/A AZPHAZ INCD 0.809 -91.4 69.1 C.81C -90.4 70.5 C.865 -87.7 68.0 C.794 -87.4 72.0 C.794 -87.4 72.0 C.794 -87.4 72.0 C.794 -87.7 68.0 ATLAS PHOTO NO	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 40.8 29.8 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 936.2 37.5 36.3 42.3 40.8 29.9 36.2 37.5	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.99763 2-3 35.2 123.72313 3-4 35.2 121.27975 4-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ 4.2.134 -71.573 116.479  ALPHA SCALE PT-PT 28.7 0. 0-1 30.7 61.52554 1-2 26.4 87.29352 2-3 35.2 121.35836 3-4 35.2 118.90098 4-5 26.0 127.60781 5-6 26.4 111.74970 6-7  POD SEQUENCE NO 353
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE A/5/C AZ 1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62979 -64.0 10. 5 -14.929 -15.031 1411.77643 -54.2 13. 6 -14.911 -19.477 1342.99628 -46.8 11. 7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  1 -11.339 -19.090 1292.33447 -53.3 10. 2 -12.344 -17.816 1323.25505 -55.7 1. 3 -11.212 -20.172 1276.55685 -57.6 9. 4 -11.047 -16.092 137.68324 -64.0 10. 5 -14.854 -15.109 1184.74957 -54.3 13. 6 -14.837 -19.468 1317.36288 -46.9 11. 7 -11.212 -20.172 1276.55685 -57.6 9.  JULY 31,1964 13 HR 17 MIN 2 SEC 804 MS  TRAJECTORY DATA  PHOTO DATA	SLC TO IMPACT 554-554  N AZSUN AZA 3 -82-5 35-7 2 -82-3 34-4 1 -81-1 33-5 9 -81-8 29-7 3 -82-6 39-1 1 -81-1 33-5  TAB NO  SLC TO IMPACT 542-795 N AZSUN AZA 0 -82-5 35-6 2 -82-3 34-3 1 -81-1 33-4 9 -81-8 29-7 7 -84-1 33-4 TAB NO  SEC TO IMPACT	ALT 1201.08581 A* 27.11319 27.09160 26.09244 27.33371 28.30819 26.92028 26.09294 ) 17 ALT 1177.30855 A* 26.59749 26.57631 25.59686 26.81364 27.76626 26.40648 25.59686	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.794 -87.7 68.0 0.794 -87.7 68.0  ATLAS PHOTO NO  LAT LCN -5.439 -31.499  B/A AZPHAZ INCO 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -87.7 68.0 0.794 -87.4 72.0 0.741 -93.5 73.3 0.819 -93.2 69.1 0.809 -87.7 68.0  ATLAS PHOTO NO	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9 18 R 2878.69	V PTH AZ  2-128 -71.674 116.497  ALPHA SCALE PT-PT  28.8 0. 0-1  30.7 61.48628 1-2  26.4 88.99763 2-3  35.2 123.72313 3-4  35.2 121.27975 4-5  26.0 130.13819 5-6  26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ  2-134 -71.573 116.479  ALPHA SCALE PT-PT  28.7 0. 0-1  30.7 61.52554 1-2  26.4 87.29352 2-3  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-5  26.0 127.60781 5-6  26.4 111.74970 6-7  POD SEQUENCE NO 353
PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -11.360 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62979 -64.0 10. 5 -14.929 -15.031 1411.77643 -54.2 13. 6 -14.911 -19.477 1342.99628 -64.8 11. 7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZ 1 -11.339 -19.090 1292.33447 -53.3 10. 2 -12.944 -17.816 1323.25505 -55.7 11. 3 -11.212 -20.172 1276.55685 -57.6 9. 4 -11.047 -16.092 137.68324 -64.0 10. 5 -14.837 -19.468 1317.36288 -46.9 11. 7 -11.212 -20.172 1276.55685 -57.6 9.  JULY 31,1964 13 HR 17 MIN 2 SEC 804 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZ 1 -11.319 -19.196.756850 -57.6 9.	SLC TO [MPACT 554.554  N AZSUN AZA 682.5 35.7  2 -82.3 34.4  1 -81.1 33.5  TAB NC  SLC TO [MPACT 54.795  N AZSUN AZA 682.6 39.1  1 -81.1 33.5  N AZSUN AZA 682.6 39.0  1 -81.1 33.4  TAB NC  SLC TO [MPACT 54.795  N AZSUN AZA 784.1 35.2  3 -82.6 39.0  1 -81.1 33.4  TAB NC	ALT 1201-08581 A* 27.11319 27.091E0 26.09294 27.33371 28.30819 26.92028 26.09294 17 ALT 1177.30855 A* 26.57631 25.57648 26.81364 27.76626 26.40648 25.59686 18	ATLAS PHOTO NO  LAI LCN -5.370 -31.638  B/A AZPHAZ INCU 0.809 -91.4 69.1 C.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 0.609 -91.4 69.1 0.609 -91.4 69.1 C.810 -90.4 70.5 C.869 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 0.609 -91.4 69.1 C.810 -90.4 70.5 C.869 -87.7 68.0 C.794 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 0.609 -91.4 69.1 C.810 -90.4 69.1 C.810 -90.5 73.3 C.819 -93.5	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17  R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 39.6 32.0 38.5 35.9 36.2 37.5 340.9 35.2 40.8 29.9 18  R 2878.69 PHAZ EMIS 38.9 39.6 31.9	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT  26.8 0.46.28 1-2  26.4 88.99763 2-3  35.2 123.72313 3-4  35.2 121.27975 4-5  26.0 130.13819 5-6  26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ  2.134 -71.573 116.479  ALPHA SCALE PT-PT  28.7 0.0-1  30.7 61.52554 1-2  26.4 87.29352 2-3  35.2 121.35836 3-4  35.2 118.90098 4-5  26.0 127.60781 5-6  26.4 111.74970 6-7  POD SEQUENCE NO 353  V PTH AZ  2.144 -71.426 116.452  ALPHA SCALE PT-PT  28.6 0 0.0-1
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ  1 - 11.360 - 19.046 1318.16409 - 53.2 10.2  2 - 12.980 - 17.795 1340.92137 - 55.6 11.3  3 - 11.215 - 20.197 1301.29676 - 57.5 9.4  4 - 11.047 - 16.038 1363.6279 - 64.0 10.5  5 - 14.929 - 15.031 1411.77643 - 54.2 13.6  6 - 14.911 - 19.477 1342.99628 - 64.8 11.7  7 - 11.215 - 20.197 1301.29678 - 57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ  1 - 11.339 - 19.090 1292.33447 - 53.3 10.2  2 - 12.944 - 17.816 123.25505 - 55.7 11.3  3 - 11.212 - 20.172 1276.55685 - 57.6 9.4  JULY 31,1964 13 HR 17 MIN 2 SEC 804 MS  TRAJECTURY DATA  PHOTO UATA  PT LAT LON RANGE AZSZC AZ  1 - 11.212 - 20.172 1276.55685 - 57.6 9.4  JULY 31,1964 13 HR 17 MIN 2 SEC 804 MS  TRAJECTORY DATA  PHOTO UATA  PHOTO UATA  PT LAT LON RANGE AZSZC AZ  1 - 11.29 - 19.152 1255.30902 - 53.4 9.7  1 - 11.309 - 19.152 1255.30902 - 53.4 9.7  1 - 11.309 - 19.152 1255.30902 - 53.6 9.7  1 - 11.309 - 19.152 1255.30902 - 53.6 9.7  1 - 11.309 - 19.152 1255.30902 - 53.6 9.7  1 - 11.309 - 19.152 1255.30902 - 53.6 9.7  1 - 11.309 - 19.152 1255.30902 - 53.6 9.7  1 - 11.309 - 19.152 1255.30902 - 53.6 9.7  1 - 11.309 - 19.152 1255.30902 - 53.6 9.7  2 - 12.991 - 17.496 1266.31978 - 55.8 11.7	SLC TO IMPACT 554.554  N AZSUN AZA 1 -82.3 35.7 2 -82.3 34.4 1 -81.1 33.5  TAB NC  SLC TO IMPACT 542.795  N AZSUN AZA 0 -62.5 35.6 2 -62.3 35.4 31 -81.1 33.4  TAB NC  SEC TO IMPACT 7 -84.1 35.2 7 -84.1 35.2 TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 1 -81.1 33.4  TAB NC	ALT 1201-08581 A* 27.11319 27.091E0 26.09294 27.33371 28.30819 26.92028 26.09294 17 ALT 1177.30855 A* 26.57631 25.57648 26.81364 27.76626 26.40648 25.59686 18	ATLAS PHOTO NO  LAI LCN -5.370 -31.638  B/A AZPHAZ INCU 0.809 -91.4 69.1 C.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 0.609 -91.4 69.1 0.609 -91.4 69.1 C.810 -90.4 70.5 C.869 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 0.609 -91.4 69.1 C.810 -90.4 70.5 C.869 -87.7 68.0 C.794 -87.7 68.0  ATLAS PHOTO NO  LAI LCN 0.609 -91.4 69.1 C.810 -90.4 69.1 C.810 -90.5 73.3 C.819 -93.5	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17  R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 39.6 32.0 38.5 35.9 36.2 37.5 340.9 35.2 40.8 29.9 18  R 2878.69 PHAZ EMIS 38.9 39.6 31.9	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT  26.8 0.46.28 1-2  26.4 88.99763 2-3  35.2 123.72313 3-4  35.2 121.27975 4-5  26.0 130.13819 5-6  26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ  2.134 -71.573 116.479  ALPHA SCALE PT-PT  28.7 0.0-1  30.7 61.52554 1-2  26.4 87.29352 2-3  35.2 121.35836 3-4  35.2 118.90098 4-5  26.0 127.60781 5-6  26.4 111.74970 6-7  POD SEQUENCE NO 353  V PTH AZ  2.144 -71.426 116.452  ALPHA SCALE PT-PT  28.6 0 0.0-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -11.960 -19.046 1318.16409 -53.2 10. 2 -12.980 -17.795 1348.92137 -55.6 11. 3 -11.215 -20.197 1301.29678 -57.5 9. 4 -11.047 -16.038 1363.62979 -64.0 10. 5 -14.929 -15.031 1411.77643 -54.2 13. 6 -14.911 -19.477 1342.99628 -64.8 11. 7 -11.215 -20.197 1301.29678 -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -11.339 -19.090 1292.33447 -53.3 10. 2 -12.944 -17.816 1323.25505 -55.7 11. 3 -11.212 -20.172 1276.55685 -77.6 9. 4 -11.047 -16.092 1377.68324 -64.0 10. 5 -14.837 -19.468 1317.36288 -46.9 11. 7 -11.212 -20.172 1276.55685 -57.6 9.  JULY 31,1964 13 HR 17 MIN 2 SEC 804 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 -11.309 -19.152 1255.30902 -53.4 9. 2 -12.991 AZ RANGE AZS/C AZ 1 -11.309 -19.152 1255.30902 -53.4 9. 2 -12.991 LON RANGE AZS/C AZ 2 -12.991 -17.896 1286.31578 -55.8 11. 3 -11.208 -20.145 1249.97205 -77.6 9.	SLC TO [MPACT 554.554  N AZSUN AZA 60 -82.5 35.7 2 -82.3 34.4 35.2 35.4 39.1 1 -81.1 33.5  TAB NC  SLC TO [MPACT 542.795  N AZSUN AZA 60 -82.5 35.0 60 -82.5 35.0 1 -81.1 33.4 43.4 35.2 34.2 3 -82.6 39.0 1 -81.1 33.4 54.2 3 -82.6 39.0 1 -81.1 33.4 54.2 3 -82.6 39.0 1 -81.1 33.4 54.2 3 -82.6 39.0 1 -81.1 33.4 54.2 3 -82.6 39.0 1 -81.1 33.4 54.2 3 -82.6 39.0 1 -81.1 33.4 54.2 3 -82.6 39.0 1 -81.1 33.4 54.2 3 -82.5 35.5 1 -81.1 33.4 34.2 54.2 3 34.2 54.2 3 34.2 54.2 3 34.2 54.2 3 34.2 54.2 3 34.2 54.2 3 34.2 54.2 3 34.2 54.2 3 34.2 54.2 3 34.2 54.2 3 34.2 54.2 54.2 3 34.2 54.2 54.2 3 34.2 54.2 54.2 3 34.2 54.2 54.2 3 34.2 54.2 54.2 3 34.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 5	ALT 1201-08981 A* 27.11319 27.09180 26.0924 27.33371 28.30819 26.92028 26.09294 17 ALT 1177-30859 A* 26.59749 26.57631 25.59686 26.81364 27.76626 26.40648 27.76626 26.40648 27.76626 28.40648 27.76626 27.76626 28.40648 27.76626 2	ATLAS PHOTO NO  LAT   LCN   -5.370   -31.638   B/A AZPHAZ   NC D   0.809   -91.4   69.1   0.809   -91.4   69.1   0.809   -91.4   70.5   0.865   -87.7   68.0   0.794   -87.4   72.0   0.794   -87.4   72.0   0.794   -87.4   72.0   0.869   -87.7   68.0    ATLAS PHOTO NO  LAT   LCN   0.809   -91.4   69.1   0.809   -91.4   69.1   0.809   -91.4   0.809   -91.4   0.809   -91.2   0.809   -91.2   0.809   -91.2   0.809   -91.2   0.809   -91.2   0.809   -91.2   0.809   -91.2   0.809   -91.2   0.809   -91.4   0.809   -91.7   0.800   -91.7   0.800	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9 18 R 2878.69 PHAZ EMIS 39.6 32.0 18 R 2878.69 18 R 2878.69	V PTH AZ  2-128 -71.674 116.497  ALPHA SCALE PT-PT 28.8 0. 0-1 30.7 61.48628 1-2 26.4 88.9763 2-3 35.2 123.72313 3-4 35.2 121.27975 4-5 26.0 130.13819 5-6 26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ 42.134 -71.573 116.479  ALPHA SCALE PT-PT 28.7 0. 0-1 30.7 61.52554 1-2 26.4 87.29352 2-3 35.2 121.35836 3-4 35.2 121.35836 3-4 35.2 121.35836 3-4 35.2 121.35836 3-4 35.2 118.90008 4-5 26.0 127.60781 5-6 26.4 111.74970 6-7  POD SEQUENCE NO 353  V PTH AZ 0 2.144 -71.426 116.452  ALPHA SCALE PT-PT 28.6 0. 0-1 30.7 61.41619 1-2 26.4 84.83028 2-3
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ 1 = 11.360 = 19.046 1318.16409 = -53.2 10.2 2 = 12.980 = 17.795 1340.92137 = -55.6 11.3 3 = 11.215 = 20.197 1301.29678 = -57.5 9.4 = 11.047 = 16.038 1363.6279 = 64.0 10.5 = 14.929 = 15.031 1411.77643 = -54.2 13.6 = 14.911 = 19.477 1342.99628 = 64.8 11.7 = 11.215 = 20.197 1301.29678 = -57.5 9.  JULY 31,1764 13 HR 16 MIN 46 SEC 5 MS  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ 1 = 11.339 = 19.090 1292.33447 = -53.3 10.2 = 12.344 = 11.13.39 = 15.7 = 15.	SLC TO IMPACT 554.554  N AZSUN AZA 1 -82.3 35.7 2 -82.3 34.4 1 -81.1 33.5  TAB NC  SLC TO IMPACT 542.795  N AZSUN AZA 0 -82.5 35.6 2 -82.3 34.2 1 -81.1 33.4  TAB NC  SEC TO IMPACT 542.795  N AZSUN AZA 1 -81.1 33.4  TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 1 -81.1 33.4  TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 9 -82.5 35.6 39.0 1 -81.1 33.4  TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 9 -81.8 33.4  TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 9 -81.3 33.4  TAB NC  SEC TO IMPACT 525.996	ALT 1201.08581 A* 27.11319 27.091£0 26.09244 27.33371 28.30819 26.92028 26.09294 17 ALT 1177.30855 A* 26.57631 25.59686 26.81364 27.76626 26.40648 25.59686 18	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.801 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.74C -93.5 73.3 0.818 -93.2 69.1 0.869 -87.7 68.0  ATLAS PHOTO NO  LAT LCN 0.509 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -97.7 68.0  ATLAS PHOTO NO  LAT LCN 0.609 -91.4 69.1 0.809 -97.7 68.0 0.794 -87.4 72.0 0.741 -93.5 73.3 0.819 -93.2 69.1 0.809 -87.7 68.0 0.809 -87.7 68.0 0.81C -91.4 69.0 0.81C -91.4 69.0 0.81L -90.4 70.4 0.81L -90.4 70.4 0.81L -90.4 70.4 0.81D -90.4 70.4	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9 18 R 2878.69 PHAZ EMIS 36.3 42.3 40.9 35.2 40.8 29.9 18 R 2878.69 PHAZ EMIS 39.6 31.9 36.3 42.3 40.8 29.9	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT  28.8 0. 0-1  30.7 61.48628 1-2  26.4 88.99763 2-3  35.2 123.72313 3-4  35.2 121.27975 4-5  26.0 130.13819 5-6  26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ  2.134 -71.573 116.479  ALPHA SCALE PT-PT  28.7 0. 0-1  30.7 61.52554 1-2  26.4 87.29352 2-3  35.2 121.35836 3-4  35.2 121.35836 3-5  26.0 127.50781 5-6  26.4 111.74970 6-7  POD SEQUENCE NO 353  V PTH AZ  0 2.144 -71.426 116.452  ALPHA SCALE PT-PT  28.6 0. 0-1  20.7 61.426 116.452  ALPHA SCALE PT-PT  28.6 0. 0-1  30.7 61.426 116.452  ALPHA SCALE PT-PT  28.6 0. 0-1  30.7 61.4169 116.452
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 1 = 11.360 = 19.046 1318.16409 = -53.2 10. 2 = 12.980 = 17.795 1348.92137 = -55.6 11. 3 = 11.215 = 20.197 1301.29678 = -57.5 9. 4 = 11.047 = 16.038 1361.26279 = 64.0 10. 5 = 14.929 = 15.031 1411.77643 = -54.2 13. 6 = 14.911 = 19.477 1342.99628 = 64.8 11. 7 = 11.215 = 20.197 1301.29678 = -57.5 9.  JULY 31,1964 13 HR 16 MIN 46 SEC 5 MS  TRAJECTORY DATA  PHOTO DATA  PH LAT LON RANGE AZS/C AZ 1 = 11.339 = 19.090 1292.33447 = -53.3 10. 2 = 12.944 = 17.816 123.25505 = -55.7 11. 3 = 11.212 = 20.172 1276.55665 = -77.6 9. 4 = 11.047 = 17.816 123.25505 = -55.7 11. 3 = 11.212 = 20.172 1276.55665 = -77.6 9. 4 = 11.047 = 17.0292 1377.68324 = -64.0 1C. 5 = 14.837 = 19.468 1317.36288 = -66.9 11. 7 = 11.212 = 20.172 1276.55685 = 57.6 9.  JULY 31,1964 13 HR 17 MIN 2 SEC 804 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ 11.130.913 = 10.130.9130.913 = 10.130.9130.913 = 10.130.9130.913 = 10.130.9130.913 =	SLC TO IMPACT 554-554  N AZSUN AZA 3 -82.5 35.7 2 -82.3 34.4 1 -81.1 33.5  TAB NC  SLC TO IMPACT 542-795  N AZSUN AZA 0 -82.6 39.0 1 -81.1 33.4 TAB NC  SEC TO IMPACT 542-795  N AZSUN AZA 0 -82.5 36.3 1 -81.1 33.4 TAB NC  SEC TO IMPACT 525-996  N AZSUN AZA 0 -82.5 35.5 1 -81.1 33.4 TAB NC	ALT 1201.08581 A* 27.11319 27.091E0 26.09294 27.33371 28.30819 26.92028 26.09294 17 ALT 1177.30655 A* 26.59749 26.57631 25.59686 26.81324 27.76626 26.41048 25.85533 25.85543 26.883442 24.88833 26.06479 26.98655	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCD 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.704 -87.7 68.0 0.794 -87.7 68.0  ATLAS PHOTO NO  LAT LCN 3 -5.439 -31.499  B/A AZPHAZ INCO 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -91.4 69.1 0.809 -87.7 68.0  ATLAS PHOTO NO  LAT LCN 0.809 -91.4 69.1 0.809 -87.7 68.0 0.809 -87.7 68.0 0.809 -87.7 68.0 0.801 -93.2 69.1	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9 18 R 2878.69 PHAZ EMIS 39.6 32.0 18 R 2878.69 18 R 2878.69	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT  28.8 0. 0-1  30.7 61.48628 1-2  26.4 88.99763 2-3  35.2 123.72313 3-4  35.2 121.27975 4-5  26.0 130.13819 5-6  26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ  4.2.134 -71.573 116.479  ALPHA SCALE PT-PT  28.7 0. 0-1  30.7 61.52554 1-2  26.4 87.29352 2-3  35.2 121.35836 3-4  35.2 128.90008 4-5  26.0 127.60781 5-6  26.4 111.74970 6-7  POD SEQUENCE NO 353  V PTH AZ  0. 2.144 -71.426 116.452  ALPHA SCALE PT-PT  28.6 0. 0-1  30.7 61.52554 1-2  26.4 81.17.4970 6-7  POD SEQUENCE NO 353
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ 1 - 11.360 - 19.046 1318.1640953.2 10. 2 - 12.980 - 17.795 1348.9213755.6 11. 3 - 11.215 - 20.197 1301.29678 - 57.5 9. 4 - 11.047 - 16.038 1363.62979 - 64.0 10. 5 - 14.929 - 15.031 1411.77643 - 54.2 13. 6 - 14.911 - 19.477 1342.99628 - 64.8 11. 7 - 11.215 - 20.197 1301.29678 - 57.5 9.  JULY 31,1964 13 HR 16 MIN 46 SEC 5 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ 1 - 11.339 - 19.090 1292.33447 - 53.3 10. 2 - 12.944 - 17.816 123.25505 - 55.7 11. 3 - 11.212 - 20.172 1276.55665 - 77.6 9. 4 - 11.047 - 16.092 1337.68324 - 64.0 1C. 5 - 14.854 - 15.109 184.74957 - 54.3 13. 6 - 14.837 - 19.468 1317.36288 - 46.9 11. 7 - 11.212 - 20.172 1276.55685 - 57.6 9.  JULY 31,1964 13 HR 17 MIN 2 SEC 804 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ - 64.0 1C. 5 - 14.854 - 15.109 184.74957 - 54.3 13. 6 - 14.854 - 15.109 184.74957 - 54.3 13. 6 - 14.857 - 19.468 1317.36288 - 46.9 11. 7 - 11.212 - 20.172 1276.55685 - 57.6 9.  JULY 31,1964 13 HR 17 MIN 2 SEC 804 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZSZC AZ - 64.0 1C. 5 - 14.954 - 15.104 124.97205 - 57.6 9. 2 - 12.991 - 17.856 1286.31578 - 55.8 11. 3 - 11.208 - 20.145 1240.97205 - 57.6 9. 4 - 11.048 - 16.18C 1300.32225 - 63.9 10. 5 - 14.747 - 15.231 1345.8348 - 54.4 13.	SLC TO IMPACT 554-554  N AZSUN AZA 1 -82.5 35.7 2 -82.3 34.4 1 -81.1 33.5  TAB NC  SLC TO IMPACT 3 -82.6 39.1 1 -81.1 33.5  TAB NC  SLC TO IMPACT 542.795 N AZSUN AZA 0 -82.5 35.6 2 -82.3 34.2 1 -81.1 33.4  TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 1 -81.1 33.4  TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 1 -81.1 33.4  TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 1 -81.1 33.4  TAB NC  SEC TO IMPACT 525.996  N AZSUN AZA 1 -81.1 33.4  TAB NC  SEC TO IMPACT 525.996	ALT 1201.08581 A* 27.11319 27.091£0 26.09244 27.33371 28.30819 26.92028 26.09294 17 ALT 1177.30855 A* 26.57631 25.59686 26.81364 27.76626 26.40648 25.59686 18	ATLAS PHOTO NO  LAT LCN -5.370 -31.638  B/A AZPHAZ INCU 0.809 -91.4 69.1 C.810 -90.4 70.5 0.865 -87.7 68.0 0.794 -87.4 72.0 0.794 -87.4 72.0 0.794 -87.7 68.0  ATLAS PHOTO NO  LAT LCN -93.2 93.1 C.809 -91.4 69.1 C.810 -90.4 70.5 C.794 -87.7 68.0  ATLAS PHOTO NO  LAT LCN -90.4 70.5 C.794 -87.7 68.0  ATLAS PHOTO NO  LAT LCN -90.4 70.5 C.794 -87.7 68.0  ATLAS PHOTO NO  LAT LUN -5.540 -31.296 B/A AZPHAZ INCC 0.810 -90.4 70.5 C.819 -97.2 68.0  ATLAS PHOTO NO  LAT LUN -5.5540 -31.296 B/A AZPHAZ INCC 0.810 -91.4 69.6 0.811 -90.4 70.5 C.819 -97.6 8.0 0.811 -90.4 70.5 C.819 -87.7 68.0 0.810 -91.4 69.6 0.811 -90.4 70.6 0.811 -90.4 70.6 0.817 -90.4 70.5 0.819 -87.7 68.0	R 2936.545 PHAZ EMIS 39.5 32.1 38.5 35.9 36.2 37.6 36.3 42.4 40.9 35.2 40.8 29.8 17 R 2912.76 PHAZ EMIS 39.6 32.0 38.5 35.9 40.8 29.9 18 R 2878.69 PHAZ EMIS 36.3 42.3 40.9 35.2 40.8 29.9 18 R 2878.69 PHAZ EMIS 39.6 31.9 36.3 42.3 40.8 29.9	V PTH AZ  2.128 -71.674 116.497  ALPHA SCALE PT-PT  28.8 0. 0-1  30.7 61.48628 1-2  26.4 88.99763 2-3  35.2 123.72313 3-4  35.2 121.27975 4-5  26.0 130.13819 5-6  26.4 113.95746 6-7  POD SEQUENCE NO 333  V PTH AZ  4.2.134 -71.573 116.479  ALPHA SCALE PT-PT  28.7 0. 0-1  30.7 61.52554 1-2  26.4 87.29352 2-3  35.2 121.35836 3-4  35.2 121.35836 3-4  35.2 121.35836 3-5  26.0 127.60781 5-6  26.4 111.74970 6-7  POD SEQUENCE NO 353  V PTH AZ  2.144 -71.426 116.452  ALPHA SCALE PT-PT  28.6 0. 0-1  30.7 61.41619 1-2  28.4 84.83028 2-3  35.1 117.93525 3-4  35.0 117.93525 3-4  35.0 117.93525 3-4  35.0 117.93525 3-4  35.0 117.93525 3-4  35.0 113.47457 4-5  26.0 123.94518 5-6

					1 V- A F	I CAMER	A P3								4
JULY 31,1964	13 00	17 MIN 14	556 242			TAB NO	19	ATLA	AS PHOTO	NO	19		POD	SEQUENCE	N/) 369
TRAJECTORY D		11 LIM 10	SEL 243												
					512	IMPACT	ALT 1115.8893	LAT 1 -5.6	22 ~31.	ON 130	285	R 1.345	2.151	PTH 1 -71.307	AZ 116.430
PHOTO DATA PT LAT 1 -11.285 -1 2 -12.849 -1 3 -11.205 -2	LON	RANGE	AZS/C	AZN	AZSUN	AZA	Α.	B/A	A7PHA7	INCO	PHA7	EMIS	AL PHA	SCALE	
1 -11.285 -1 2 -12.849 -1	7.895	1225.58000	-53.5 -55.8	9.9	-82.5	35.4									
3 -11.205 -2	0.129	1212.30386	-57.7	9.1	-81.1	33.3	24.30849	0.869	-87.7	68.0	40.8	29.9	26.4	82.8371	2 1-2 3 2-3
5 -14.660 -1	5.336	1270.19289 13 <u>14.45576</u>	-63.9 54.4_	10.8	-81.8 -84.1	29.8 35.0_	25.46089 26.35676	0.796	-87.4 -93.5	71.8	36.2	37.3 42.0	35.0	115.1613	8 3-4
2 -12.849 -1 3 -11.205 -2 4 -11.049 -1 5 -14.660 -1 6 -14.645 -1 7 -11.205 -2	9.465	1250.79283	-47.2 -57.7	11.2	-82.7	38.7 33.3	25.07216	0.820	-93.2	69.0	40.9	35.1	26.0	120.9781	1 5- 6
	,		21.7	7•1	01.1	TAB NO	20	0,000	S PHOTO	00.0	20	29.9	20.7	100.0110	, 0- 1
JULY 31,1964	13 HR	17 MIN 28	SEC 2	MS										SEQUENCE I	
TRAJECTORY D	ATA				SEC TO	I MPACT	AL T	LAT	LC	N OO 2		R	V	PTH	AZ
PHOTO DATA					500	• 191									
PT LAT 1 -11-264 -1	9.246	1199.48672	-53.5	9.9	-82.6	AZA 35.4	A* 24.73286	8/A 0.811	AZPHAZ -91.4	1NCD 68.9	PHAZ E	EMIS .	ALPHA 28-4	SCALE O-	PT-PT
2 -12.812 -1	7.926	1230-44643	-55.8	11.9	-82.3	34.•2	_24.71234.	C.812_	-90.4_	70.3	38.5	35.7	30.6	61.0586	<u>1-2</u>
4 -11.050 -1	6.323	1243.79317	-63.9	10.8	-81.8	29.8	24.93174	C.797	-87.4	71.7	36.2	37.3	34.9	112.7387	9 2-3 2 3-4
5 -14.585 -1 6 -14.570 -1	5.426 7.464	1286.97801	-54.4	13.4	-84.1	35.0	25.80579	0.746	-93.5	72.9	36.3 4	41.9	34.8	110.3031	4-5
1 -11.264 -1 2 -12.812 -1 3 -11.203 -2 4 -11.050 -1 5 -14.585 -1 6 -14.570 -1 7 -11.203 -2	0.113	1197.16788	-57.7	9.1	-81.1	33.3	23.00447	0.020	. 47 7	69.U	40.8	29 <b>.</b> 9	26.5	112.7387 110.3031 118.3908 103.7803	3 6- 7
JULY 31,1964						TAB NO	21	ATLA	S PHOTO	NO	21		POD S	SEQUENCE N	10 399
TRAJECTORY D	ΔΤΔ				SEC TO	IMPACT	ALT	LAT	LO	)N		R	v	PTH.	A 7
PHOTO DATA					487	.358	1064.4047	5 -5.7	80 -30.	810	2799	9.860	2.166	-71.077	116.388
PHOTO DATA PT LAT  1 -11.240 -1 2 -12.771 -1 3 -11.201 -2 4 -11.051 -1 5 -14.499 -1	LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A *	8/A	AZPHAZ	INCD	PHAZ E	EMIS A	ALPHA	SCALE	PT-PT
2 -12.771 -1	9.295 7.969	1169.57292 1200.42641	-53.6 -55.9	9.8	-82.6 -82.3	35.3 34.1	24.12976	0.811	-91.4 -90.4	68.9	39.8 3	31.5	28.3	0.	0- 1
3 -11.201 -2	0.102	1158,26320	-57.7	9.1	-81.2	33.3	23.22489	C.868	-87.7	68.1	40.8 2	29.9	26.5	79.0871	1 2-3
								0.798	-87.4 -93.5	71.7	36.3	37.2	34.8	109.9372	3-4
6 -14.485 -1 7 -11.201 -2	9.470	1194.83528	-47.4	11.1	-82.7	38.4	23.95055	C.821	-93.2	69.0	40.9 3	34.9	26.0	115.4000	5-6
7 -11.201 -2	0.102	1158.26320	-57.7	9.1				0.868	-87.7	68.1	40.8 2	29.9	26.5	101.2099	6-7
JULY 31,1964	13 HR	17 MIN 53				TAB NO	22		к рното					SEQUENCE I	
TRAJECTORY D	ATA				SEC TC	IMPACT	AL T	TAI		N		R		DTH.	A7
TRAJECTORY D	ATA				SEC TC	IMPACT	ALT 1040.28220	LAT C -5.8	LC 56 -30.	N 656	2775	5.737	v 2•173	PTH -70.967	A7
TRAJECTORY OF PHOTO DATA PT LAT	ATA LON	RANGE	AZS/C	AZN	SEC TC 475	IMPACT 599	ALT 1040.28220	LAT C -5.8	LC 56 -30.	N 656	2775	5.737	v 2•173	PTH -70.967	AZ 116.367 PT-PT
TRAJECTORY ().  PHOTO DATA  PT LAT  1 -11-219 -1: 2 -12-734 -1	LON 9.339 8.006	RANGE 1143.31537 1174.07600	AZS/C -53.6 -55.9	AZN 9.8 11.0	SEC TC 475 AZSUN -82.6 -82.4	IMPACT •599 AZA 35•3	ALT 1040.28220 A* 23.60036	LAT C -5.8 8/A C.812	LC 56 -30. AZPHAZ -91.4	N 656 INCD	2775 PHAZ E	5.737 EMIS /	V 2.173	PTH -70.967	AZ 116.367 PI-PI 0- 1
PHOTO DATA PT LAT 1 -11-219 -1 2 -12-734 -1 3 -11-198 -2 4 -11-053 -1	LON 9.339 8.006 0.091 6.477	RANGE 1143.31537 1174 <u>.07600</u> 1132.88725 1186.73714	AZS/C -53.6 -55.9 -57.7 -63.8	AZN 9.8 11.0 9.1	SEC TC 475 AZ SUN -82.6 -82.4 -81.2	IMPACT .599 AZA .35.3 .34.1 .33.3 .29.9	ALT 1040.28220 A* 23.60036	LAT C -5.8 8/A C.812	LC 56 -30. AZPHAZ -91.4	N 656 INCD	2775 PHAZ E	5.737 EMIS /	V 2.173	PTH -70.967	AZ 116.367 PI-PI 0- 1 2 1- 2 2 2- 3
TRAJECTORY 0.  PHOTO DATA PT LAT  1 -11.219 -1. 2 -12.734 -1 3 -11.198 -2 4 -11.053 -1 5 -14.423 -1	LON 9.339 8.006 0.091 6.477 5.631	RANGE 1143.31537 1174.07600 1132.88725 1186.73714	AZS/C -53.6 -55.9 -57.7 -63.8	AZN 9.8 11.0 9.1 10.8	SEC TC 475 AZSUN -82.6 -82.4 -81.2	IMPACT .599 AZA 35.3 34.1 33.3 29.9	ALT 1040.28220 A* 23.60036 23.58020 22.716C7 23.78812 24.61546	LAT C -5.8 B/A C.812 Q.813 C.868 C.799 C.749	LC 56 -30. AZPHAZ -91.4 -90.4 -87.7 -87.4 -93.5	N 656 INCD 68.8 70.3 68.1 71.6	2775 PHAZ 6 39.9 3 38.5 3 40.9 2 36.3 3	5.737 EMIS 1 31.4 35.6 29.9 37.1	V 2.173 ALPHA 28.2 30.5 26.5 34.7	PTH -70.967	AZ 116.367 PI-PT 0-1 2 1-2 0 2-3 2 3-4
TRAJECTORY 0.  PHOTO DATA PT LAT  1 -11.219 -1. 2 -12.734 -1 3 -11.198 -2 4 -11.053 -1 5 -14.423 -1	LON 9.339 8.006 0.091 6.477 5.631	RANGE 1143.31537 1174.07600 1132.88725 1186.73714	AZS/C -53.6 -55.9 -57.7 -63.8	AZN 9.8 11.0 9.1 10.8	SEC TC 475 AZSUN -82.6 -82.4 -81.2	IMPACT .599 AZA 35.3 34.1 33.3 29.9	ALT 1040.28220 A* 23.60036 23.58020 22.71607 23.78812 24.61546 23.42401	C -5.8 B/A 0.812 Q.813 C.868 0.799 C.749	LC 56 -30. AZPHAZ -91.4 -90.4 -87.7 -87.4 -93.5 -93.5	N 656 INCD 68.8 70.3 68.1 71.6 72.7	2775 PHAZ E 39.9 3 38.5 2 40.9 2 36.3 3 40.9 3	5.737 EMIS 1 31.4 35.6 29.9 37.1 41.6	V 2.173 ALPHA 28.2 30.5 26.5 34.7 34.6	PTH -70.967 SCALE 0. 60.5340; 77.32596 107.4824; 105.1022; 112.7821	AZ 116.367 PI-PT 0-1 2 1-2 2 2-3 2 3-4 5 4-5 5 5-6
PHOTO DATA PT LAT 1 -11.219 -1 2 -12.734 -1 3 -11.198 -2 4 -11.053 -1 5 -14.423 -1 6 -14.410 -1 7 -11.198 -2	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56619 1132.88725	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -47.5 -57.7	AZN 9.8 11.0 9.1 10.8 13.3 11.0 9.1	SEC TC 475 AZ SUN -82.6 -81.2 -81.7 -84.0 -62.8 -81.2	IMPACT .599 AZA .35.3 .34.1 .33.3 .29.9 .34.9 .38.3 .33.3	ALT 1040.28220 A• 23.60036 22.58020 22.71607 23.78812 24.61546 23.4240 22.71607	LAT C -5.8 B/A C.812 Q.813 C.86E C.799 C.749 C.822 C.86E	LC 56 -30. AZPHAZ -91.4 -90.4 -87.7 -87.4 -93.5 -93.2 -87.7	N 656 INCD 68.8 70.3 68.1 71.6 72.7 69.0 68.1	2775 PHAZ E 39.9 3 38.5 3 40.9 2 36.3 3 36.3 4 40.9 3 40.9 2	5.737 EMIS / 31.4 35.6 29.9 37.1 41.6 34.9 29.9	V 2.173 ALPHA 28.2 30.5 26.5 34.7 34.6 26.0 26.5	PTH -70.967 SCALE 0.60.5340; 77.3259(107.4824; 105.1022; 112.7821; 98.95546	AZ 116.367 PI-PT 0-12 2-3 2-3 2-3 4-5 5-6 6-7
TRAJECTORY D.  PHOTO DATA  PT LAT  1 -11.219 -1. 2 -12.734 -1 3 -11.198 -2 4 -11.053 -1 5 -14.423 -1 6 -14.410 -1. 7 -11.198 -2  JULY 31,1964	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56619 1132.88725	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -47.5 -57.7	AZN 9-8 11-0 9-1 10-8 13-3 11-0 9-1	SEC TC 475 AZ SUN -82.4 -81.2 -81.7 -84.0 -62.8 -81.2	IMPACT .599 AZA .35.3 .34.1 .33.3 .29.9 .34.9 .38.3 .33.3 TAB NO	ALT 1040.28220 23.60036 22.58020 22.71607 23.78812 24.61546 23.42401 22.71607	LAT C -5.8 8/A 0.812 0.813 C.868 0.799 0.749 0.822 C.868	AZPHAZ -91.4 -90.4 -87.7 -87.4 -93.5 -93.2 -87.7 S PHOTO	N 656 INCD 68.8 70.3 68.1 71.6 72.7 69.0 68.1 NO	2775 PHAZ E 39.9 3 38.5 2 40.9 3 36.3 4 40.9 3 40.9 2	5.737 EMIS / 31.4 35.6 29.9 37.1 41.6 34.9 29.9	V 2.173 ALPHA 28.2 30.5 26.5 34.6 26.0 26.5	PTH -70.967 SCALE 0. 60.5340; 77.32596 107.4824; 105.1022; 112.7821	AZ 116.367 PI-PT 0-12 2-3 2-3 2-3 4-5 5-6 6-7
TRAJECTORY D.  PHOTO DATA  PT LAT  1 -11.219 -1. 2 -12.734 -1 3 -11.198 -2 4 -11.053 -1 5 -14.423 -1 6 -14.423 -1 7 -11.198 -2  JULY 31,1964  TRAJECTORY D.	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56619 1132.88725	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -47.5 -57.7	AZN 9-8 11-0 9-1 10-8 13-3 11-0 9-1	SEC TC 475 AZ SUN -82.6 -82.4 -81.7 -84.0 -62.8 -81.2	IMPACT.599  AZA 35.3 34.1 33.3 29.9 38.3 33.3  TAB NO	ALT 1040.28220 Ae 23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607	C -5.8  B/A	LC 56 -30. AZPHAZ -91.4 -90.4 -87.7 -87.4 -93.5 -93.2 -87.7 S PHOTO	N 656 INCD 68.8 70.3 68.1 71.6 72.7 69.0 68.1 NO	2775 PHAZ E 39.9 3 38.5 2 40.9 3 40.9 3 40.9 3 40.9 2	5.737 EMIS / 31.4 35.6 29.9 37.1 41.6 34.9 29.9	V 2.173 ALPHA 28.2 30.5 26.5 34.7 34.6 26.0 26.5 POD S	PTH -70.967 SCALE 0.5340; 77.3259; 107.4824; 105.1022; 112.7821; 98.95544	PI-PT 0- 1 2 1- 2 2 - 3 2 4 5 5 5 6 6 - 7
TRAJECTORY D.  PHOTO DATA PT LAT 1 -11-219 -1: 2 -12.734 -1 3 -11.198 -2 4 -11.053 -1 5 -14.423 -1 6 -14.423 -1 7 -11.198 -2:  JULY 31,1964  TRAJECTORY D.	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56619 1132.88725	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -47.5 -57.7	AZN 9.8 11.0 9.1 10.8 13.3 11.0 9.1	SEC TC 475  AZ SUN -82-6 -82-4 -81-2 -81-7 -84-0 -62-8 -81-2 SEC TO 465	IMPACT .599  AZA .35.3 .34.1 .33.3 .329.9 .34.9 .33.3 .37AB NO	ALT 1040.28220 A. 23.60036 22.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600	B/A C.812 Q.812 Q.813 C.866 C.799 C.749 C.822 C.866 ATLA	56 -30.  AZPHAZ -91.4 -90.4 -90.4 -93.5 -93.2 -87.7  S PHOTO	N 656 INCD 68.8 70.3 68.1 71.6 72.7 69.0 68.1 NO	2775 PHAZ 8 38.5 3 38.5 3 40.9 2 36.3 3 40.9 2 23	5.737 EMIS / 31.4 35.6 29.9 37.1 41.6 34.9 29.9	V 2.173 ALPHA 28.2 30.5 26.5 34.7 34.6 26.0 26.5 POD S	PTH -70.967 SCALE 0. 60.5340; 107.4824; 105.1022; 112.7821; 98.9554; SEQUENCE N	AZ 116.367 PT-PT 0-12 2 3-2 2 3-4 5 4-5 6 5-6 6 6-7
TRAJECTORY D.  PHOTO DATA PT LAT 1 -11-219 -1: 2 -12-734 -1 3 -11-198 -2 4 -11-053 -1 5 -14-423 -1 6 -14-410 -1: 7 -11-198 -2:  JULY 31,1964  TRAJECTORY D.  PHOTO DATA PT LAT	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR	RANGE 1143.31537 1174.07600 1132.88725 1166.73714 1227.61430 1168.56619 1132.88725 18 MIN 3	AZS/C -53.6 -55.7 -57.7 -63.8 -54.5 -47.5 -57.7	AZN 9-8 11-0 9-1 10-8 13-3 11-0 9-1	SEC TC 475  AZ SUN -82.6 -82.6 -81.2 -81.7 -84.0 -82.8 -81.2	1MPACT .599  AZA .35.3 .34.1 .33.3 .29.9 .34.9 .33.3 .3 .3 .3 .3 .3 .33	ALT 1040.28226 A. 23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600	B/A C -5.8  8/A C .812 C .868 C .799 C .749 C .822 C .866 ATLA LAT C -5.9	LC 22 -30. AZPHAZ	N 656 INCD 68.8 70.3 68.1 71.6 72.7 69.0 68.1 NO	2775 PHAZ E 39.9 3 38.5 2 40.9 2 36.3 3 40.9 3 40.9 2 23	5.737  EMIS / 331.4 35.6 29.9 37.1 41.6 34.9 29.9  R 65.011	V 2.173 ALPHA 28.2 30.5 26.5 34.7 34.6 26.0 26.5 POD \$	PTH -70.967 SCALE 0. 60.5340) 107.4824; 105.1022; 112.7821; 98.95544 SEQUENCE N	AZ 116.367 PI-PT 0-11 2 1-2 2 2-3 2 3-4 5 4-5 6 4-5 6 6-7
TRAJECTORY D.  PHOTO DATA PT LAT 1 -11-219 -1: 2 -12-734 -1 3 -11-198 -2 4 -11-053 -1 5 -14-423 -1 6 -14-410 -1: 7 -11-198 -2:  JULY 31,1964  TRAJECTORY D.  PHOTO DATA PT LAT	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR	RANGE 1143.31537 1174.07600 1132.88725 1166.73714 1227.61430 1168.56619 1132.88725 18 MIN 3	AZS/C -53.6 -55.7 -57.7 -63.8 -54.5 -47.5 -57.7	AZN 9-8 11-0 9-1 10-8 13-3 11-0 9-1	SEC TC 475  AZ SUN -82.6 -82.6 -81.2 -81.7 -84.0 -82.8 -81.2	1MPACT .599  AZA .35.3 .34.1 .33.3 .29.9 .34.9 .33.3 .3 .3 .3 .3 .3 .33	ALT 1040.28220 23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 22.14475 23.12477	C -5.8  B/A 0.813 0.868 0.749 0.822 0.866 ATLA  LAT C -5.9:  B/A C.612 0.812	56 -30.  AZPHAZ -91.4 -91.4 -93.5 -93.2 -87.7 S PHOTO  LC 22 -30.  AZPHAZ -91.4 -91.4	N 656 INCD 688.8 70.3 68.1 71.6 72.7 69.0 68.1 NO N 522 INCD 68.6 70.2	2775 PHAZ E 39.9 3 38.5 2 40.9 2 36.3 4 40.9 2 40.9 2 23 2755 PHAZ E 39.9 3	5.737  EMIS / 31.4  35.6  29.9  37.1  41.6  34.9  29.9  R  5.011	V 2.173 ALPHA 28.2 30.5 26.5 34.6 26.0 26.5 POD \$ V 2.179 ALPHA 28.1 30.5	PTH -70.967 SCALE 0.60.5340; 77.3259 107.4824 105.1022 112.78215 98.9554 SEQUENCE N PTH -70.871 SCALE 0.60.2765	AZ 116.367 PI-PT 0-1 2 1-2 2 2-3 4-5 5 5-6 6-7 IO 425 AZ 116.349 PI-PT 0-1 3 1-2
TRAJECTORY D.  PHOTO DATA PT LAT  1 -11-219 -1: 2 -12.734 -1 3 -11.198 -2: 4 -11.053 -1 5 -14.423 -1 6 -14.420 -1: 7 -11.198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11.201 -1: 2 -12.701 -1: 3 -11.196 -2: 4 -11.053 -1:	LON 9.339 8.006 0.091 6.477 5.631 0.091 13 HR ATA LON 9.376 8.039 0.082	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56430 1168.	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -57.7 SEU 200 AZS/C -53.7 -55.9 -57.8	AZN 9-8 11-0 9-1 10-8 13-3 11-0 9-1	SEC TC 475  AZ SUN -82.6 -82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN -62.6 -82.6 -82.6	AZA 35.2 34.1 33.3 29.9 38.3 33.3 TAB NO	ALT 1040.28226 23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 22.14475 23.12477 22.27623	C LAT C -5.8  8/A C.812 C.868 C.799 C.749 C.822 C.868  ATLA  LAT C -5.9	56 -30.  AZPHAZ -91.4 -90.4 -87.7 -93.5 -87.7  S PHOTO  LC 22 -30.  AZPHAZ -91.4 -90.4	N 656 INCD 68.8 70.3 68.1 71.6 72.7 69.0 68.1 NO N 522 INCD 68.8 68.2 68.1	2775 PHAZ 6 39.9 3 38.5 3 40.9 2 36.3 4 40.9 2 23 2755 PHAZ 6 39.9 3 38.5 3 40.9 2	EMIS / 331.4 / 35.6 / 29.9 37.1 / 41.6 / 34.9 / 29.9 R	V 2.173 ALPHA 28.2 30.5 26.5 34.6 26.0 26.5 POD \$ V 2.179 ALPHA 28.1 30.5 26.5	PTH -70.967 SCALE 0. 0. 77.3259 105.1022 112.7821 98.9554 SEQUENCE N PTH -70.871 SCALE 0. 60.2765 75.8093	AZ 116.367 PT-PT 0 - 1 2 1 - 2 2 2 - 3 6 4 - 5 6 5 - 6 6 - 7 10 425 AZ 116.349 PT-PT 0 - 1 1 - 2 7 2 - 3
TRAJECTORY D.  PHOTO DATA PT LAT  1 -11-219 -1: 2 -12.734 -1 3 -11.198 -2: 4 -11.053 -1 5 -14.423 -1 6 -14.420 -1: 7 -11.198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11.201 -1: 2 -12.701 -1: 3 -11.196 -2: 4 -11.053 -1:	LON 9.339 8.006 0.091 6.477 5.631 0.091 13 HR ATA LON 9.376 8.039 0.082	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56430 1168.	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -57.7 SEU 200 AZS/C -53.7 -55.9 -57.8	AZN 9-8 11-0 9-1 10-8 13-3 11-0 9-1	SEC TC 475  AZ SUN -82.6 -82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN -62.6 -82.6 -82.6	AZA 35.2 34.1 33.3 29.9 38.3 33.3 TAB NO	ALT 1040.28226 23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 22.14475 23.12477 22.27623	C LAT C -5.8  8/A C.812 C.868 C.799 C.749 C.822 C.868  ATLA  LAT C -5.9	56 -30.  AZPHAZ -91.4 -90.4 -87.7 -93.5 -87.7  S PHOTO  LC 22 -30.  AZPHAZ -91.4 -90.4	N 656 INCD 68.8 70.3 68.1 71.6 72.7 69.0 68.1 NO N 522 INCD 68.8 68.2 68.1	2775 PHAZ 6 39.9 3 38.5 3 40.9 2 36.3 4 40.9 2 23 2755 PHAZ 6 39.9 3 38.5 3 40.9 2	EMIS / 331.4 / 35.6 / 29.9 37.1 / 41.6 / 34.9 / 29.9 R	V 2.173 ALPHA 28.2 30.5 26.5 34.6 26.0 26.5 POD \$ V 2.179 ALPHA 28.1 30.5 26.5	PTH -70.967 SCALE 0. 0. 77.3259 105.1022 112.7821 98.9554 SEQUENCE N PTH -70.871 SCALE 0. 60.2765 75.8093	AZ 116.367 PT-PT 0 - 1 2 1 - 2 2 2 - 3 6 4 - 5 6 5 - 6 6 - 7 10 425 AZ 116.349 PT-PT 0 - 1 1 - 2 7 2 - 3
TRAJECTORY D.  PHOTO DATA PT LAT  1 -11-219 -1: 2 -12.734 -1 3 -11.198 -2: 4 -11.053 -1 5 -14.423 -1 6 -14.420 -1: 7 -11.198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11.201 -1: 2 -12.701 -1: 3 -11.196 -2: 4 -11.053 -1:	LON 9.339 8.006 0.091 6.477 5.631 0.091 13 HR ATA LON 9.376 8.039 0.082	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56430 1168.	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -57.7 SEU 200 AZS/C -53.7 -55.9 -57.8	AZN 9-8 11-0 9-1 10-8 13-3 11-0 9-1	SEC TC 475  AZ SUN -82.6 -82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN -62.6 -82.6 -82.6	AZA 35.2 34.1 33.3 29.9 38.3 33.3 TAB NO	ALT 1040.28226 23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 22.14475 23.12477 22.27623	C LAT C -5.8  8/A C.812 C.868 C.799 C.749 C.822 C.868  ATLA  LAT C -5.9	56 -30.  AZPHAZ -91.4 -90.4 -87.7 -93.5 -87.7  S PHOTO  LC 22 -30.  AZPHAZ -91.4 -90.4	N 656 INCD 68.8 70.3 68.1 71.6 72.7 69.0 68.1 NO N 522 INCD 68.8 68.2 68.1	2775 PHAZ 6 39.9 3 38.5 3 40.9 2 36.3 4 40.9 2 23 2755 PHAZ 6 39.9 3 38.5 3 40.9 2	EMIS / 331.4 / 35.6 / 29.9 37.1 / 41.6 / 34.9 / 29.9 R	V 2.173 ALPHA 28.2 30.5 26.5 34.6 26.0 26.5 POD \$ V 2.179 ALPHA 28.1 30.5 26.5	PTH -70.967 SCALE 0. 0. 77.3259 105.1022 112.7821 98.9554 SEQUENCE N PTH -70.871 SCALE 0. 60.2765 75.8093	AZ 116.367 PT-PT 0 - 1 2 1 - 2 2 2 - 3 6 4 - 5 6 5 - 6 6 - 7 10 425 AZ 116.349 PT-PT 0 - 1 1 - 2 7 2 - 3
TRAJECTORY D.  PHOTO DATA PT LAT  1 -11-219 -1: 2 -12.734 -1 3 -11.198 -2: 4 -11.053 -1 5 -14.423 -1 6 -14.420 -1: 7 -11.198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11.201 -1: 2 -12.701 -1: 3 -11.196 -2: 4 -11.053 -1: 5 -14.357 -1: 6 -14.357 -1: 6 -14.354 -1: 7 -11.196 -2:	ATA  LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR  ATA  LON 9.376 8.039 0.082 6.540 6.714 9.480 0.082	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56619 1168.56619 1132.88725 18 MIN 3 RANGE 1120.74658 1151.40012 1111.05182 1145.76972 1203.74265 1145.76056	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -47.5 -57.7 SEL 200 AZS/C -53.7 -55.9 -57.8 -63.8 -64.6 -67.6	AZN 9.8 11.0 9.1 10.8 13.3 11.0 9.1 AZN 9.8 10.9 9.1 10.7 13.2 11.0 9.1	SEC TC 475  AZ SUN -82.6 -82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN -62.6 -82.6 -82.6	AZA 35.2 34.1 33.3 29.9 38.3 33.3 TAB NO	23.60036 22.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 2.114475 22.12477 22.27623 23.32817 24.13680 22.27623 23.32817 24.27623	C -5.8  B/A C.812 C.868 C.749 C.822 C.866  ATLA C.612 C.812 C.868 C.799 C.822 C.866	56 -30.  AZPHAZ -91.4 -90.4 -87.7 -93.5 -87.7  S PHOTO  LC 22 -30.  AZPHAZ -91.4 -90.4	N 656 INCD 68.8 70.2 769.0 68.1 71.69.0 N 522 INCD 68.8 170.2 68.1 77.2 669.0 68.1 77.2 669.0 68.1	2775 PHAZ 6 39.9 3 38.5 3 40.9 2 36.3 4 40.9 2 23 2755 PHAZ 6 39.9 3 38.5 3 40.9 2	EMIS / 331.4 / 35.6 / 29.9 37.1 / 41.6 / 34.9 / 29.9 R	V 2.173  ALPHA 28.2 30.5 26.5 34.7 34.6 26.0 26.5  POD 5  V 2.179  ALPHA 28.1 30.5 34.7 34.5 26.0 26.5	PTH -70.967 SCALE 0. 0. 77.3259 105.1022 112.7821 98.9554 SEQUENCE N PTH -70.871 SCALE 0. 60.2765 75.8093	AZ 116.367 PI-PT 0-12 2-3 2-3-4 5-6-5-6 6-7 10 425 AZ 116.349 PI-PT 0-1 3-1-2 3-3-4 3-4-5 6-7
TRAJECTORY D.  PHOTO DATA PT LAT  1 -11-219 -1: 2 -12.734 -1 3 -11.198 -2: 4 -11.053 -1 5 -14.423 -1 6 -14.420 -1: 7 -11.198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11.201 -1: 2 -12.701 -1: 3 -11.196 -2: 4 -11.053 -1: 5 -14.357 -1: 6 -14.344 -1: 7 -11.196 -2:  JULY 31,1964	ATA  LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR  ATA  LON 9.376 8.039 0.082 6.540 0.082	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56619 1168.56619 1132.88725 18 MIN 3 RANGE 1120.74658 1151.40012 1111.05182 1145.76972 1203.74265 1145.76056	AZS/C -53,6 -55,6 -57,7 -63,8 -54,5 -47,5 -57,7 SEU 200 AZS/C -53,7 -55,9 -57,8 -54,6 -47,6 -57,8 SEC 719	AZN 9.8 11.00 9.1 10.8 13.3 11.0 9.1 1.0 9.1 1.0 9.1 1.0 1.0 9.1 1.0 9.1 1.0 9.1 1.0 9.1 1.0 9.1 1.0 9.1	SEC TC 475  AZ SUN -82.4 -81.2 -81.7 -84.0 -82.4 -81.2  SEC TO 465  AZ SUN -82.6 -81.2 -81.7 -84.0 -82.8 -81.2	IMPACT .599  AZA .35.3 .34.1 .33.3 .29.9 .34.9 .33.3 .3  TAB NO  IMPACT .519  AZA .35.2 .29.9 .34.1 .33.2 .29.9 .34.1 .33.2 .29.9 .38.2 .33.2 .33.2 .34.9 .38.2 .33.2 .33.2	ALT 1040.28226 23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607  23  ALT 1019.55600  22.14475 23.12477 22.27823 23.32817 24.13660 22.97090 22.27823	LAT C -5.8 8/A C.812 G.812 G.812 G.848 C.749 G.822 C.866 ATLA C -5.9 C.812 C.812 C.812 C.868 C.799 G.750 C.868 C.799 G.750 C.868 C.8	LC 56 -30. AZPHAZ -91.4 -90.4 -87.7 -87.4 -93.2 -87.7 S PHOTO LC 22 -30. AZPHAZ -90.4 -87.7 -87.4 -90.5 -87.7 -87.4 -90.4 -87.7 -87.4 -90.4 -87.7 -87.4 -90.5 -87.7	N 656	2775 PHAZ E 38.5 2 40.9 2 36.3 3 40.9 2 23  2755 PHAZ E 38.5 2 40.9 2 3 36.3 4 40.9 3 3 40.9 2 3 36.3 3 4 40.9 2 2 3 36.3 3 4 40.9 2 2 3 36.3 3 4 40.9 2 2 3 36.3 3 4 40.9 3 3 40.9 2 2 4	5.737 S. 131.4 329.9 37.1 44.9 29.9 R 5.011 EMIS / 11.3 29.9 11.3 29.9	V 2.173  ALPHA 26.0 26.5  POD \$  V 7  POD \$  1.79  1.7	PTH -70.967  SCALE 0. 60.5340; 77.3259; 107.4824; 105.102; 112.7821; 98.9554;  SEQUENCE N -70.871  SCALE 0. 60.2765; 75.8093; 105.3705; 103.0123; 110.53077 97.01467	PI-PT 0- 1 3 1- 2 3 3- 4 4 5 6 5 6 6 7 7 10 425 7 2 - 3 3 3- 4 4 5 6 5 6 6 6 7 7 10 425 7 2 - 3 6 7 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7 2 - 3 6 7 6 7 7 10 425 7
TRAJECTORY D.  PHOTO DATA PT LAT  1 -11-219 -1: 2 -12.734 -1: 3 -11.198 -2: 4 -11.053 -1: 5 -14.423 -1 6 -14.423 -1 7 -11.198 -2:  JULY 31,1964  TRAJECTORY D.  PHOTO DATA PT LAT 1 -11.201 -1: 2 -12.701 -1: 3 -11.196 -2: 4 -11.053 -1: 5 -14.357 -1: 6 -14.344 -1: 7 -11.196 -2:  JULY 31,1964	ATA  LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR  ATA  LON 9.376 8.039 0.082 6.540 0.082	RANGE 1143.31537 1174.07600 1132.88725 1186.7371 1227.61430 1168.5640 1168.5640 1132.88725 18 MIN 3 RANGE 1120.74658 1120.74658 1120.74658 1120.74658 1145.96056 1141.05182	AZS/C -53,6 -55,6 -57,7 -63,8 -54,5 -47,5 -57,7 SEU 200 AZS/C -53,7 -55,9 -57,8 -54,6 -47,6 -57,8 SEC 719	AZN 9.8 11.00 9.1 10.8 13.3 11.0 9.1 1.0 9.1 1.0 9.1 1.0 1.0 9.1 1.0 9.1 1.0 9.1 1.0 9.1 1.0 9.1 1.0 9.1	SEC TC  475  475  475  475  482.6  -82.4  -81.2  -81.7  -84.0  -62.8  465  465  475  481.7  -84.0  -62.8  -81.7  -84.0  -82.6  -82.4  -81.2  -81.7  -84.0  -82.6  -81.2	IMPACT .599  AZA .35.3 .34.1 .33.3 .29.9 .34.9 .33.3 .3  TAB NO  IMPACT .519  AZA .35.2 .29.9 .34.1 .33.2 .29.9 .34.1 .33.2 .29.9 .38.2 .33.2 .33.2 .34.9 .38.2 .33.2 .33.2	23.60036 22.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 2.114475 22.12477 22.27623 23.32817 24.13680 22.27623 23.32817 24.27623	C -5.8  8/A C.812 G.812 G.813 C.866 C.749 G.822 C.866 ATLA C.812 C.812 C.812 C.812 C.868 ATLA LAT C.868 ATLA LAT LAT LAT	LC 56 -30. AZPHAZ -91.4 -90.5 -93.2 -87.7 S PHOTO  22 -30. AZPHAZ -91.4 -90.4 -90.5 -93.2 -91.7 S PHOTO -91.4 -90.5 -93.2 -91.7 -87.7 -87.4 -93.5 -93.2 -87.7 S PHOTO	N 656	27755 PHAZ E 39.9 3 38.5 3 40.9 3 40.9 3 2755 PHAZ E 39.9 3 39.9 3 39.9 3 39.9 3 40.9 3 40.9 3 40.9 3 40.9 3 40.9 3	5.737 11.4 29.9 27.1 29.9 27.1 41.6 8.0 8.0 11.3 29.9 8.0 11.3 29.9 11.3 29.9 11.3	V 2.173  ALPHA 28.2  30.5  26.5  POD \$  V 2.179  ALPHA 28.1  30.5  26.0  26.0  26.0  26.0  26.0	PTH -70.967  SCALE 0. 60.5340; 77.3259( 105.1022) 112.7821; 98.95544  SEQUENCE N  PTH -70.871  SCALE 0. 60.2765; 75.8093; 105.37059 110.5307; 97.0148	AZ 116.367 PI-PT 0-12 1-2 10-2 23-4 5-4-5 6-7 10-425 AZ 116.349 PI-PT 0-1 31-2 2-3-4 6-7 8-7 8-7 8-7 8-7 8-7 8-7 8-7 8-7 8-7 8
TRAJECTORY D.  PHOTO DATA PT LAT 1 -11-219 -1: 2 -12.734 -1: 3 -11.198 -2: 4 -11.053 -1: 5 -14.423 -1 6 -14.423 -1 7 -11.198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11.201 -1: 2 -12.701 -1: 3 -11.196 -2: 4 -11.053 -1: 5 -14.357 -1: 6 -14.357 -1: 6 -14.357 -1: 6 -14.357 -1: 7 -11.196 -2:  JULY 31,1964  TRAJECTORY D.  PHOTO DATA PT LAT	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR ATA LON 6.540 0.082 13 HR ATA LON MATA LON	RANGE 1143-31537 1174-07600 1132-88725 1186-13714 1227-01430 1168-56619 1132-88725 18 MIN 3  RANGE 1120-74658 1151-40012 1111-05182 1163-78265 1145-90056 1111-05182	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -57.7 SEL 200  AZS/C -53.7 -55.9 -57.8 -54.6 -47.6 -57.8 SEC 719	AZN 9.8 11.0 9.1 10.8 11.0 9.1 10.8 11.0 9.1 10.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1	SEC TC 475  AZ SUN -82.6 -82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN -82.6 -82.4 -61.2 -81.7 -84.0 -62.8 -81.7	AZA 35.3 34.1 33.3 29.9 38.3 33.3 TAB NO IMPACT 519 42.2 34.1 33.2 29.9 38.2 33.2 TAB NO IMPACT 6.5 19 6.5	23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 22.114475 23.12477 22.27823 23.32817 24.13610 22.27823 24.318610 22.27823	C -5.8  8/A C.812 C.868 C.749 C.749 C.822 C.866 ATLA C -5.9 C.812 C.814 C.868 C.792 C.866 ATLA C -6.62 ATLA	LC -90.4 -90.4 -90.4 -90.4 -90.4 -90.4 -90.4 -90.4 -90.4 -90.5 -90.7 -90.5 -90	N 656	27755 PHAZ 6 39,9 3 38,5 3 40,9 3 36,3 3 40,9 2 23 2755 2755 2755 2755 2755 2755 2755	First State	V 2.173  ALPHA 28.2  30.5  26.5  34.7  34.6  26.5  POD \$  V 2.179  ALPHA 28.1  30.5  26.5  34.7  26.0  V 2.187	PTH -70.967  SCALE 0. 60.5340; 77.32596 105.1022; 112.7821; 98.95544  SEQUENCE N PTH -70.871  SCALE 0. 60.2765; 75.8093; 105.3705; 103.0123; 110.5307; 97.0148; SEQUENCE N	AZ 116.367 PT-PT 0-1 1-2 0-3 2-3-4 6-5-6 6-7 100 425 AZ 116.349 PT-PT 0-1 3-1-2 7-2-3 6-3-4 6-5-6 7-7 100 425 AZ 116.349 PT-PT 0-1 1-2 1-2 1-3 1-2 1-3 1-2 1-3 1-2 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3
TRAJECTORY D.  PHOTO DATA PT LAT  1 -11.219 -1. 2 -12.734 -1 3 -11.198 -2 4 -11.053 -1. 5 -14.423 -1 6 -14.423 -1 7 -11.198 -2  JULY 31,1964  TRAJECTORY D.  PHOTO DATA PT LAT 1 -11.201 -1. 2 -12.701 -1. 3 -11.196 -2.  JULY 31,1964  TRAJECTORY D.  PHOTO DATA PT LAT 7 -11.196 -2.  JULY 31,1964  TRAJECTORY D.  PHOTO DATA PT LAT 1 -11.196 -2.  PHOTO DATA PT LAT 1 -11.196 -2.  PHOTO DATA PT LAT 1 -11.178 -1.	ATA  LON 9.339 8.0C6 0.091 6.477 5.631 9.475 0.091 13 HR ATA  LON 0.082 13 HR ATA	RANGE 1143-31537 1174-07600 1132-88725 1186-7371 1227-61430 1168-56619 1132-88725 18 MIN 3 RANGE 1120-74658 1151-40012 111-05182 103-74265 1145-96056 1111-05182	AZS/C -53,6 -55,9 -57.7 -63,8 -54.5 -47.5 -57.7 SEL 200 AZS/C -53.7 -57.8 SEC 719	AZN 9.8 11.0 9.1 10.8 2N 9.1 10.8 2N 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1 11.0 9.1	SEC TC 475  AZ SUN 6-82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN 6-82.4 -81.2 -81.7 -84.0 -62.6 -82.4 -81.2 -81.7 -82.6 -82.4 -81.7 -82.6 -82.4 -82.4 -82.8	AZA 35.3 34.1 33.3 29.9 38.3 34.9 38.3 33.3  TAB NO  IMPACT 519  AZA 35.2 29.9 38.2 33.2  TAB NO	23.60036 22.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23. 42401 22.14475 23. 42401 22.14475 23. 12477 22.12477 22.27823 23.32817 22.27823 24.3628 24.3628	C -5.8  8/A C.812 C.868 C.868 C.749 C.822 C.868 ATLA C -5.9 C.812 C.812 C.812 C.812 C.812 C.812 C.812 C.812 C.814 C.868 ATLA C.868 ATLA C.868 ATLA C.868	LC 22 -30. AZPHAZ -91.4 -90.4 -93.5 -93.2 -87.7 S PHOTO  LC 22 -30. AZPHAZ -93.5 -93.2 -87.7 S PHOTO	N 656 1 80 8 8 70 3 3 68 1 1 6 72 . 7 6 70 68 . 1 8 70 . 2 6 8 . 1 70 . 2 6 8 . 1 72 . 7 72 . 6 8 . 1 71 . 5 72 . 6 8 . 1 72 . 6 8 . 1 70 . 2 6 8 . 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27755 PHAZ E 39.9 3 38.5 3 4 40.9 3 36.3 3 4 40.9 2 23 2755 PHAZ E 40.9 2 24 22 23 2755 24 40.9 2 24 2727 274 274 274 274 274 274 274 2	5.737 EMIS 11.4 11.4 129.9 141.6 144.9 29.9 R 8.011 EMIS 7 141.8 19.9 141.8 17.304	V 2.173 ALPHA 28.2 30.5 26.5 V 2.179 26.5 POD \$\frac{1}{2} \text{Constant} \te	PTH -70.967  SCALE 0. 60.5340; 77.3259( 107.4824; 105.1022; 112.7821; 98.9554; SEQUENCE N  PTH -70.871; SCALE 0. 60.2765; 75.8093; 105.3705; 103.0123; 110.5307; 97.01487	AZ 116.367 PT-PT 0-1 1-2 0-3 2-3-4 6-5-6 6-7 100 425 AZ 116.349 PT-PT 0-1 3-1-2 7-2-3 6-3-4 6-5-6 7-7 100 425 AZ 116.349 PT-PT 0-1 1-2 1-2 1-3 1-2 1-3 1-2 1-3 1-2 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3
TRAJECTORY D.  PHOTO DATA PT LAT 1 -11-219 -1: 2 -12-734 -1 3 -11-198 -2: 4 -11-053 -1 5 -14-423 -1 6 -14-410 -1: 7 -11-198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11-201 -1: 2 -12-701 -1: 3 -11-196 -2: 4 -11-053 -1: 5 -14-357 -1: 6 -14-357 -1: 6 -14-357 -1: 6 -14-344 -1: 7 -11-196 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11-196 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 +11-178 -1: 2 -12-656 -1:	ATA  LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091  13 HR  ATA  LON 6.540 0.082  13 HR  ATA  LON 13 HR  ATA	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56619 1132.88725 18 MIN 3  RANGE 1100.74658 1100.74658 1100.74658 1110.5162 18 MIN 16	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -47.5 -57.7 SEU 200 AZS/C -53.7 -55.9 -57.8 SEC 719 AZS/C -57.8 SEC 719	AZN 9.8 11.0. 9.1 10.7 11.0 9.1 10.7 11.0 9.1 MS	SEC TC 475  AZ SUN 6-82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN 6-82.4 -81.2  SEC TC 452  AZ SUN 8-81.2	AZA 35.3 34.1 33.3 29.9 38.3 34.9 38.3 37.8 TAB NO IMPACT 519  AZA 35.2 29.9 38.2 33.2 TAB NO	23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 22.14475 23.12477 22.27823 23.32817 24.13640 22.97090 22.27823 24.2417 991.84879 A.2.53428 22.51458	C + 5.8  B/A	LC 22 -30. AZPHAZ -90.4 -90.4 -90.4 -90.4 -91.4 -90.5 -87.7 S PHOTO	N 656 INCD 68-8 70-3 68-1 71-6 72-7 69-0 INCD 68-8 70-2 68-1 NO N N N N N N N N N N N N N N N N N N	27755 PHAZ E 39.9 3 38.5 3 40.9 2 3 40.9 2 23 2755 PHAZ E 40.9 2 23 2755 PHAZ E 38.5 3 36.3 4 40.9 2 24 2727 PHAZ E 38.5 3 3 36.3 4 50.9 2 24	5.737  EMIS / 13.4  29.9  41.6  43.9  8.011  EMIS / 81.5  31.5  34.8  87.9  R  -304  EMIS / 81.5	V 2.173  ALPHA 28.2 20.5 34.7 26.5 34.7 26.5 POD \$  \( \) 2.179 2.	PTH -70.967  SCALE 0. 60.5340; 77.3259( 107.4824; 105.1022; 112.7821; 98.9554; SEQUENCE N -70.871; SCALE 0. 60.2765; 75.88093; 105.3705; 103.0123; 110.5307; 97.01487  SCALE -70.741; SCALE -70.741; SCALE -70.741; SCALE -9.8418	AZ 116.367 PI-PT 0-11 21-2 2-3 2-3-4 5-5-6 5-5-6 7-7 10 425 AZ 116.349 PI-PT 0-1 3-3-4 5-5-6 6-7 10-425 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11
TRAJECTORY D.  PHOTO DATA PT LAT 1 -11-219 -1: 2 -12-734 -1: 3 -11-198 -2: 4 -11-053 -1: 5 -14-423 -1: 6 -14-410 -1: 7 -11-198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11-201 -1: 2 -12-701 -1: 3 -11-196 -2: 4 -11-053 -1: 5 -14-357 -1: 6 -14-357 -1: 6 -14-357 -1: 7 -11-196 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11-196 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11-178 -1: 2 -12-656 -1: 3 -11-190 -2: 4 -11-1051 -1: 3 -11-190 -2: 4 -11-1051 -1:	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR ATA LON 76 6.540 0.082 6.540 0.082 13 HR ATA LON 9.376 0.082 13 HR ATA LON 9.476 0.082 13 HR ATA LON 9.476 0.082 13 HR	RANGE 1143,31537 1174,07600 1132,88725 1186,73714 1227,61430 1168,56619 1132,88725 18 MIN 3  RANGE 1120,74658 1151,40012 1111,05182 18 MIN 16  RANGE 1120,74658 1111,05182	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -47.5 -57.7 SEU 200 AZS/C -53.7 -55.9 -57.8 SEC 719 AZS/C -57.8 SEC 719	AZN 9.8 11.0. 9.1 10.7 11.0 9.1 10.7 11.0 9.1 MS	SEC TC 475  AZ SUN 6-82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN 6-82.4 -81.2  SEC TC 452  AZ SUN 8-81.2	AZA 35.3 34.1 33.3 29.9 38.3 34.9 38.3 37.8 TAB NO IMPACT 519  AZA 35.2 29.9 38.2 33.2 TAB NO	23.60036 23.58020 22.71607 23.78812 24.61546 23.42401 22.71607 23 ALT 1019.55600 22.14475 23.12477 22.27823 23.32817 24.13640 22.97090 22.27823 24.2417 991.84879 A.2.53428 22.51458	C + 5.8  B/A	LC 22 -30. AZPHAZ -90.4 -90.4 -90.4 -90.4 -91.4 -90.5 -87.7 S PHOTO	N 656 INCD 68-8 70-3 68-1 71-6 72-7 69-0 INCD 68-8 70-2 68-1 NO N N N N N N N N N N N N N N N N N N	27755 PHAZ E 39.9 3 38.5 3 40.9 2 3 40.9 2 23 2755 PHAZ E 40.9 2 23 2755 PHAZ E 38.5 3 36.3 4 40.9 2 24 2727 PHAZ E 38.5 3 3 36.3 4 50.9 2 24	5.737  EMIS / 13.4  29.9  41.6  43.9  8.011  EMIS / 81.5  31.5  34.8  87.9  R  -304  EMIS / 81.5	V 2.173  ALPHA 28.2 20.5 34.7 26.5 34.7 26.5 POD \$  \( \) 2.179 2.	PTH -70.967  SCALE 0. 60.5340; 77.3259( 107.4824; 105.1022; 112.7821; 98.9554; SEQUENCE N -70.871; SCALE 0. 60.2765; 75.88093; 105.3705; 103.0123; 110.5307; 97.01487  SCALE -70.741; SCALE -70.741; SCALE -70.741; SCALE -9.8418	AZ 116-367 PT-PT 0-11 2-3-4 6-5-6 6-7 10 425 AZ 116-349 PT-PT 3-1-2 3-4-5 6-5-6 7-7 10 425 AZ 116-349 PT-PT 116-325 PT-PT-PT 116-325 PT-PT-PT-PT 116-325 PT-PT-PT-PT-PT-PT-PT-PT-PT-PT-PT-PT-PT-P
TRAJECTORY D.  PHOTO DATA PT LAT 1 -11-219 -1: 2 -12-734 -1 3 -11-198 -2: 4 -11-053 -1 5 -14-423 -1 6 -14-410 -1: 7 -11-198 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11-201 -1: 2 -12-701 -1: 3 -11-196 -2: 4 -11-053 -1: 5 -14-357 -1: 6 -14-357 -1: 6 -14-357 -1: 7 -11-196 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 -11-196 -2:  JULY 31,1964  TRAJECTORY D. PHOTO DATA PT LAT 1 +11-178 -1: 2 -12-656 -1:	LON 9.339 8.006 0.091 6.477 5.631 9.475 0.091 13 HR ATA LON 6.5714 9.480 0.082 6.5714 9.480 0.082 8.089 8.099 8.099 8.099 8.099 8.099 8.099 8.099 8.099 8.099 8.099 8.099 8.099 8.099 8.09	RANGE 1143.31537 1174.07600 1132.88725 1186.73714 1227.61430 1168.56619 1132.88725 18 MIN 3  RANGE 1120.74658 1151.40012 1111.05182 118.74658 1111.05182 18 MIN 16  RANGE 1090.56425 1121.01817 1081.70 1081.80138	AZS/C -53.6 -55.9 -57.7 -63.8 -54.5 -47.5 -57.7 SEU 200 AZS/C -53.7 -55.9 -57.8 SEC 719 AZS/C -57.8 SEC 719	AZN 9.8 11.0. 9.1 10.7 11.0 9.1 10.7 11.0 9.1 MS	SEC TC 475  AZ SUN 6-82.4 -81.2 -81.7 -84.0 -62.8 -81.2  SEC TO 465  AZ SUN 6-82.4 -81.2  SEC TC 452  AZ SUN 8-81.2	AZA 35.3 34.1 33.3 29.9 38.3 34.9 38.3 37.8 TAB NO IMPACT 519  AZA 35.2 29.9 38.2 33.2 TAB NO	23. 60036 23. 58020 22. 71607 23. 78812 24. 61546 23. 42401 22. 71607 23 ALT 1019.55600 A. 22. 114475 23. 12477 22. 27623 23. 32817 24. 13680 22. 97090 22. 27823 24	C + 5.8  B/A	LC 22 -30. AZPHAZ -90.4 -90.4 -90.4 -90.4 -91.4 -90.5 -87.7 S PHOTO	N 656 INCD 68-8 70-3 68-1 71-6 72-7 69-0 INCD 68-8 70-2 68-1 NO N N N N N N N N N N N N N N N N N N	27755 PHAZ E 39.9 3 38.5 3 40.9 2 3 40.9 2 23 2755 PHAZ E 40.9 2 23 2755 PHAZ E 38.5 3 36.3 4 40.9 2 24 2727 PHAZ E 38.5 3 3 36.3 4 50.9 2 24	5.737  EMIS / 13.4  29.9  41.6  43.9  8.011  EMIS / 81.5  31.5  34.8  87.9  R  -304  EMIS / 81.5	V 2.173  ALPHA 28.2 20.5 34.7 26.5 34.7 26.5 POD \$  \( \) 2.179 2.	PTH -70.967  SCALE 0. 60.5340; 77.3259( 107.4824; 105.1022; 112.7821; 98.9554; SEQUENCE N -70.871; SCALE 0. 60.2765; 75.88093; 105.3705; 103.0123; 110.5307; 97.01487  SCALE -70.741; SCALE -70.741; SCALE -70.741; SCALE -9.8418	PT-PT 0 1 1 2 1 2 3 3 4 4 5 6 6 7 7 80 441

	RA-VII CAMERA	P3
JULY 31,1964 13 HR 18 MIN 26 SEC 799 MS	TAB NO	25 ATLAS PHOTO NO 25 POD SEQUENCE NO 453
	SEC TO IMPACT	ALT LAT LON R Y PTHAZ 971.01318 -6.079 -30.202 2706.468 2.193 -70.643 116.306
1 -11.160 -19.462 1067.85828 -53.8 9.7 2 -12.622 -18.122 1098.12790 -56.0 10.9 3 -11.186 -20.068 1059.76535 -57.8 9.0 4 -11.050 -16.693 1109.88181 -63.7 10.7	AZSUN AZA -82.6 35.1 -82.4 34.0 -81.2 33.2 -81.7 30.0	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 22.07433 0.814 -91.4 68.7 40.0 31.1 28.0 0. 0-1 22.05485 0.815 -90.4 70.1 38.6 35.4 30.4 59.46433 1-2 21.24986 0.869 -87.7 68.1 40.9 29.9 26.5 72.24100 2-3 22.24765 0.801 -87.4 71.4 36.3 36.9 34.5 100.40530 3-4
5 -14.198 -15.914 1147.66489 -54.6 13.0 6 -14.187 -19.498 1092.86086 -47.8 10.9 7 -11.186 -20.068 1059.76535 -57.8 9.0	-84.0 34.8 -82.9 38.0 -81.2 33.2	21.90658 0.824 -93.1 69.C 40.9 34.7 26.0 105.24053 5-6 21.24986 0.869 -87.7 68.1 40.9 29.9 26.5 92.45560 6-7
JULY 31,1964 13 HR 16 MIN 36 SEC 878 MS	TAB NO	26 ATLAS PHOTO NO 26 POD SEQUENCE NO 465
TRAJECTORY DATA	SEC TO IMPACT '431.921	ALT LAT LCN R V PTH AZ 950.13C10 -6.149 -3C.061 2685.585 2.200 -70.542 116.287
	AZ SUN AZ A -82.6 35.1 -82.4 34.0 -81.2 33.2 -81.7 30.1 -84.0 34.7 -82.9 37.9 -81.2 33.2	A* 8/A AZPHAZ INCC PHAZ EMIS ALPHA SCALE PT-PT 21.61360 0.814 -91.4 68.7 40.1 31.0 27.9 0. 0-1 21.59437 0.81c -90.4 70.1 38.6.35.3 30.3 59.11245 1-2 0.80714 0.869 -87.7 68.1 40.9 29.9 26.5 70.70854 2-3 21.78272 0.802 -87.4 71.3 36.3 36.8 34.4 98.27422 3-4 22.52873 0.755 -93.5 72.3 36.3 41.1 34.2 95.99738 4-5 21.44849 0.824 -93.1 69.0 40.9 34.6 26.0 102.97312 5-6 20.80714 0.869 -87.7 68.1 40.9 29.9 26.5 90.49536 6-7
	TAB NO	27 ATLAS PHOTO NO 27 POD SEQUENCE NO 475
JULY 31,1964 13 HR 18 MIN 45 SEC 278 MS TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH AZ
1 - 11.129 - 19.529 1026.07501 - 53.8 9-7 2 - 12.558 - 18.187 1056.03772 - 56.1 10.8 3 - 11.178 - 20.056 1019.23119 - 57.8 9.0 4 - 11.047 - 16.813 1067.29959 - 63.7 10.7 5 - 14.072 - 16.070 1103.39256 - 54.7 12.9	-82.4 33.9 -81.2 33.2 -81.7 30.1 -84.0 34.7	932.69031 -6.207 -29.942 2668.146 2.205 -70.458 116.270  A• B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PI-PT 0-1 21.22852 0.815 -91.4 68.6 40.1 30.9 27.8 0-1 21.20951 0.816 -90.4 70.1 38.6 35.3 30.3 58.80481 1-2 20.43709 0.869 -87.7 68.1 40.9 29.8 26.5 69.42834 2-3 21.39414 0.802 -87.4 71.3 36.3 36.8 34.4 96.49407 3-4 22.12463 0.756 -93.5 72.3 36.4 41.0 .34.1 24.23855 4-5
6 -14.062 -19.511 1050.90718 -48.0 10.8 7 -11.178 -20.056 1019.23119 -57.8 9.0	-82.9 37.8 -61.2 33.2	21.06565 0.825 -93.1 68.9 40.9 34.6 26.0 101.08036 5-6 20.43709 0.869 -87.7 68.1 40.9 29.8 26.5 88.85786 6-7
JULY 31,1964 13 HR 18 MIN 57 SEC 37 MS	TAB NO	28 ATLAS PHOTO NO 28 POD SEQUENCE NO 489
TRAJECTORY DATA	SEC TO IMPACT 411.762	ALT LAT LCN R V PTH AZ 9C8.21759 -6.290 -29.772 2643.673 2.213 -70.338 116.247
PHOTO DATA PT LAT LON RANGE AZ5/C AZN 1 -11.108 -19.571 999.37849 -53.9 9.7 2 -12.517 -18.231 1029.08434 -50.1 10.7 3 -11.172 -20.052 993.27764 -57.9 9.0 4 -11.045 -16.892 1040.02704 -63.7 10.6 5 -13.992 -16.174 1075.04556 -54.7 12.8 6 -13.982 -19.522 1024.04951 -48.1 10.7 7 -11.172 -20.052 993.27764 -57.9 9.0	AZSUN AZA -82.6 35.0 -82.4 33.9 -81.2 33.1 -84.0 30.1 -84.0 34.6 -82.9 37.7 -81.2 33.1	A* B/A AZPHAZ 1NCD PHAZ EMIS ALPHA SCALE PT-PT 20.68690 0.816 -91.4 68.6 40.2 30.8 27.7 01 20.66818 0.817 -90.4 70.6 38.6 35.2 30.2 58.30042 1-2 15.91668 0.869 -87.7 68.1 40.9 29.8 26.5 67.62559 2-3 20.84749 0.603 -87.4 71.2 36.3 36.7 34.3 93.98583 3-4 21.55623 0.757 -93.5 72.2 36.4 40.9 34.0 91.76605 4-5 20.52732 0.825 -93.1 68.9 41.0 34.5 25.9 98.41463 5-6 19.91668 0.869 -87.7 68.1 40.9 29.8 26.5 86.55652 6-7
JULY 31,1964 13 HR 19 MIN 7 SEC 116 MS	TAB NO	29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501
TRAJECTORY DATA	SEC TO IMPACT 401.683	ALT LAT LCN R V PTH AZ 887.18747 -6.363 -29.624 2622.643 2.220 -70.233 116.227
PHOTO DATA PT LAT LON RANGE AZS/C AZN 1 -11.091 -19.607 976.42873 -53.9 9.6 2 -12.481 -18.272 1005.88405 -56.1 10.7 3 -11.167 -20.051 970.92262 -57.9 9.0 4 -11.042 -16.964 1016.52871 -63.6 10.6 5 -13.922 -16.255 1050.62477 -54.8 12.7 6 -13.913 -19.534 1000.91732 -48.2 10.7 7 -11.167 -20.05. 970.92262 -57.9 9.0	-82.4 33.9	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA C2.22028 0.816 -91.4 68.5 40.2 30.7 27.6 0. 0-1 20.20182 0.816 -91.4 68.5 40.2 30.7 27.6 57.79320 1-2 19.46843 0.869 -87.6 68.1 40.9 29.8 26.4 66.07057 2-3 20.37650 0.804 -87.4 71.1 36.3 36.6 34.2 91.82160 3-4 21.06656 0.759 -93.5 72.1 36.4 40.7 32.9 89.63740 4-5 20.06365 0.826 -93.1 68.9 41.0 34.5 25.9 96.11563 5-6 19.46843 0.869 -87.6 68.1 40.9 29.8 26.4 84.57490 6-7
JULY 31,1964 13 HR 19 MIN 17 SEC 196 MS	TAB NO	
TRAJECTORY DATA	SEC TO IMPACT 391.604	ALT LAT LON R V PTH AZ 866.10684 -6.437 -29.474 2601.562 2.227 -70.127 116.206
1 -11.074 -19.643 953.41566 -54.0 9.6 2 -12.445 -18.314 982.5673456.1 10.7 3 -11.161 -20.056 948.49193 -57.9 9.0 4 -11.040 -17.036 992.95451 -63.6 10.6 5 -13.852 -16.357 1026.13104 -54.8 12.7 6 -13.843 -19.547 977.71027 -48.3 10.6	AZSUN AZA -82.7 34.9 -82.4 33.9 -81.2 33.1 -81.6 30.2	A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 19.75212 0.817 -91.4 68.5 40.3 30.6 27.5 0. 0-1 19.73393 0.818 -90.4 69.9 38.6 35.1 30.1 57.26286 1-2 19.01866 0.869 -87.6 68.1 41.0 29.8 26.4 64.51150 2-3 19.90398 0.805 -87.4 71.1 36.4 36.5 34.1 89.65213 3-4 2C.57542 0.76C -93.5 72.0 36.4 40.6 33.8 87.50450 4-5 19.59849 0.827 -93.1 68.9 41.0 34.4 25.9 93.81269 5-6 19.01866 0.869 -67.6 68.1 41.0 29.8 26.4 82.58797 6-7

		RA-VII CAMERA	P3	
		TAB NO	31 ATLAS PHOTO N	O 31 POD SEQUENCE NO 525
JULY 31,1964 13 HR 19 MIN 27	SEC 275 MS			
TRAJECTORY DATA		SEC TO IMPACT 381.524	ALT LAT LON	R V PTH AZ 1 2580.431 2.233 -70.019 116.185
PHOTO DATA PT LAT LON RANGE				CD PHAZ EMIS ALPHA SCALE PT-PT
1 -11.057 -19.679 930.33885	-54.0 9.6	-82.7 34.8	19.28265 0.818 -91.4 68	.5 40.3 30.5 27.5 O. O- 1
2 -12.409 -18.355 959.20646	-56.2 10.6	-82.4 33.8	19.26475 0.819 -90.4 69	.9 38.6 35.0 30.1 56.72664 1- 2 .1 41.0 29.8 26.4 62.95034 2- 3 .0 36.4 36.4 34.0 87.48036 3- 4
3 -11.156 -20.048 925.99523 4 -11.037 -17.108 969.31847	-63.6 10.6	-81.2 33.1 -81.6 30.3	19.43022 0.806 -87.4 71	•0 36.4 36.4 34.0 87.48036 3- 4
5 -13.781 -16.449 1001.58003	-54.8 12.6	-83.9 34.5 -83.0 17.6	20.08314 0.762 -93.5 71 19.13204 0.827 -93.1 68	.9 36.4 40.5 33.7 85.36917 4-5
4 -11.037 -17.108 969.31847 5 -13.781 -16.449 1001.58063 6 -13.773 -19.559 954.43909 7 -11.156 -20.048 925.99523	-57.9 9.0	-81.2 33.1	18.56757 0.869 -87.6 68	.1 41.0 29:8 26.4 80.59702 6- 7
JULY 31-1964 13 HR 19 MIN 47	SEC 355 MS	TAB NO	32 ATLAS PHOTO N	O 32 POD SEQUENCE NO 537
TRAJECTORY DATA			ALT LAT LON	R V PTH AZ
DHOTO DATA		371.445	823.79272 -6.587 -29.16	5 2559.248 2.240 -69.910 116.163
PT LAT LON RANGE	AZS/C AZN	AZSUN AZA		CD PHAZ EMIS ALPHA SCALE PT-PT
1 -11.040 -19.714 907.19772 2 -12.370 -18.393 935.80765	-54.1 9.6 -56.2 10.6	-82.7 34.8 -82.4 33.8	18.81234 0.818 -91.4 68 18.79480 0.820 -90.4 69	.4 40.4 30.4 27.4 0. 0-1 .9 38.6 35.0 30.0 56.20040 1-2
3 -11.148 -20.044 903.45478	-57.9 9.0	-81.2 33.1	18.11560 0.869 -87.6 68	.1 41.0 29.8 26.4 61.39038 2- 3
4 -11.032 -17.176 945.65813 5 -13 70H -16.537 977.00305		-81.6 30.3 -83.9 34.5	18.95596 C.8C7 -87.4 70 19.59033 0.763 -93.4 71	.9 36.4 36.3 33.9 85.31591 3-4 .8 36.4 40.4 33.6 83.23153 4-5
6 -13.701 -19.568 931.11430	-40.5 10.5	-83.0 37.3	18.66461 0.828 -93.1 68	.9 41.0 34.3 25.9 89.21512 5- 6
7 -11.148 -20.044 903.45478	-57.9 9.0	-81.2 33.1		-1 41.0 29.8 26.4 78.60098 6- 7
JULY 31,1964 13 HR 19 MIN 45	SEC 754 MS	TAB NO	33 ATLAS PHOTO N	D 33 POD SEQUENCE NO 547
TRAJECTORY DATA		SEC TO IMPACT 363.045	ALT LAT LON 8C6.10056 -6.652 -29.03	
PHOTO DATA PT LAT LON RANGE	41676 470			
1 -11.026 -19.744 887.86346	-54.1 9.6	-82./ 34./	18.41957 0.819 -91.4 68	CO PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.4 30.3 27.3 0. 0-1 1.8 38.6 34.9 30.0 55.76968 1-2 1.1 41.0 29.8 26.4 60.08984 2-3 1.9 36.4 36.3 33.9 83.51259 3-4
2 -12.338 -18.424 916.26711 3 -11.141 -20.039 884.62650	-56.3 10.6	-82.4 33.7 -81.2 33.0	18.40235 0.820 -90.4 69	-8 38.6 34.9 30.0 55.76968 1- 2
4 -11.027 -17.232 925.90308	-63.5 10.5	-81.6 30.3	18.55999 0.807 -87.4 70	1.9 36.4 36.3 33.9 83.51259 3- 4
5 -13.646 -16.609 956.48796	-54.9 12.5	-83.9 34.4	19.17898 0.764 93.4 71 18.27422 0.828 93.1 68	. 7. 36.4 40.3 33.5 Bl. 44900 4- 5
6 -13.640 -19.575 911.64326 7 -11.141 -20.039 884.62650		-61.2 33.0	17.73866 0.869 -87.6 68	11 41.0 29.8 26.4 76.93483 6- 7
				_
JULY 31,1964 13 HR 19 MIN 52	SEC 474 MS	TAB NO	34 ATLAS PHOTO N	*
JULY 31,1964 13 HR 19 MIN 52 TRAJECTORY DATA	SEC 474 MS			*
TRAJECTORY DATA		SEC TO IMPACT 356.326		*
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE	AZS/C AZN	SEC TO IMPACT 356.326 AZSUN AZA	ALT LAT LON 791.92047 -6.704 -28.92 A* B/A AZPHAZ IN	R V PTH AZ 7 2527.376 2.251 -69.743 116.129
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.015 -19.767 872.36292 2 -12.312 -18.446 900.63236	AZS/C AZN -54.2 9.5 -56.3 10.5	SEC TO IMPACT 356.326 AZSUN AZA -82.7 34.7	ALT LAT LON 791.92C47 -6.704 -28.92 A* B/A AZPHAZ IN 18.10529 0.819 -91.4 66	R V PTH AZ  7 2527.376 2.251 -69.743 116.129  ICD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.015 -19.767 872.36292  2 -12.312 -18.446 900.63236  3 -11.135 -20.034 869.55449	AZS/C AZN -54-2 9-5 -56-3 10-5 -58-0 9-0	SEC TO IMPACT 356.326 AZSUN AZA -82.7 34.7	ALT LAT LON 791.92C47 -6.704 -28.92 A* B/A AZPHAZ IN 18.10529 0.819 -91.4 66	R V PTH AZ  7 2527.376 2.251 -69.743 116.129  ICD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.015 -19.767 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5	SEC TO IMPACT 356.326 AZSUN AZA -82.7 34.7	ALT LAT LON 791.92C47 -6.704 -28.92 A* B/A AZPHAZ IN 18.10529 0.819 -91.4 66	R V PTH AZ  7 2527.376 2.251 -69.743 116.129  ICD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0-1
PHOTO DATA PT LAT LON RANGE 1 -11.015 -19.767 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5	SEC TO IMPACT 356-326 AZ SUR AZ A -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1	ALT LAT LON 791.92C47 -6.704 -28.92 A. B./A AZPHAZ IN 18.10529 0.819 -91.4 68 18.08834 0.82C -90.4 69 17.43585 0.809 -87.6 68 18.24325 0.808 -87.4 70 18.85007 0.765 -93.4 71 17.96181 0.829 -93.1 68	R V PTH AZ 2527.376 2.251 -69.143 116.129 CCD PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0-1 1.8 38.6 34.9 30.0 55.47050 1-2 1.1 41.0 29.8 26.4 59.05290 2-3 1.8 36.4 40.2 33.5 82.07540 3-4 1.7 36.4 40.2 33.5 80.02606 4-5 1.8 41.0 34.2 25.9 85.78473 5-6
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0	SEC TO IMPACT 356.326  AZSUN AZA -622.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0	ALT LAT LON 791.92C47 -6.704 -28.92  A** B/A AZPHAZ IN 18.10529 0.819 -91.4 68 18.08814 0.82C -90.4 65 17.43585 0.869 -87.6 68 18.24325 0.869 -87.6 68 17.43585 0.869 -87.6 68	R V PTH A2 2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0. 0. 1 1.8 38.6 34.9 30.0 55.47050 1-2 1.1 41.0 29.8 26.4 59.05290 2-3 1.8 36.4 36.2 33.8 82.07540 3-4 1.7 36.4 40.2 33.5 80.02606 4-5 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.015 -19.767 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0	SEC TO IMPACT 356.326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0 TAR NO	ALT LAT LON 791.92C47 -6.704 -28.92  A	R V PTH A2 2527.376 2.251 -69.743 116.129  ICO PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0-1 1.8 38.6 34.9 30.0 55.47051 1-2 1.1 41.0 29.8 26.4 59.05290 2-3 1.8 36.4 36.2 33.8 82.07540 3-4 1.7 36.4 40.2 33.5 80.02606 4-5 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS	SEC TO IMPACT 356-326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0  TAR NO	ALT LAT 28.92  AB	R V PTH AZ 2527.376 2.251 -69.143 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0-1 1.8 38.6 34.9 30.0 55.47050 1-2 1.1 41.0 29.8 26.4 59.05290 2-3 1.8 36.4 40.2 33.8 82.07540 3-4 1.7 36.4 40.2 33.5 80.02606 4-5 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS	SEC TO IMPACT 356-326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0  TAR NO	ALT LAT 28.92  AB	R V PTH AZ 2527.376 2.251 -69.143 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0-1 1.8 38.6 34.9 30.0 55.47050 1-2 1.1 41.0 29.8 26.4 59.05290 2-3 1.8 36.4 40.2 33.8 82.07540 3-4 1.7 36.4 40.2 33.5 80.02606 4-5 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS	SEC TO IMPACT 356-326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0  TAR NO	ALT LAT 28.92  AB	R V PTH AZ 2527.376 2.251 -69.143 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0-1 1.8 38.6 34.9 30.0 55.47050 1-2 1.1 41.0 29.8 26.4 59.05290 2-3 1.8 36.4 40.2 33.8 82.07540 3-4 1.7 36.4 40.2 33.5 80.02606 4-5 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS	SEC TO IMPACT 356-326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0  TAR NO	ALT LAT 28.92  AB	R V PTH AZ 2527.376 2.251 -69.143 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0-1 1.8 38.6 34.9 30.0 55.47050 1-2 1.1 41.0 29.8 26.4 59.05290 2-3 1.8 36.4 40.2 33.8 82.07540 3-4 1.7 36.4 40.2 33.5 80.02606 4-5 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 96.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2  TRAJECTORY DATA PHOTC DATA PT LAT LON 1 -10.999 -19.802 849.05649 2 -12.273 -18.483 877.06743 3 -11.127 -20.029 866.84293 4 -11.019 -17.343 886.27911	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS	SEC TO IMPACT 356-326  AZSUN AZA-682-7 34-7 -81-2 33-0 -81-6 30-3 -83-0 34-4 -83-1 37-1 -81-2 33-0  TAR NO  SEC TO IMPACT 346-246  AZSUN AZA -82-7 34-6 -82-4 33-7 -81-3 33-0 -81-6 30-3 33-0	ALT LAT LON 791.92C47 -6.704 -28.92  A* B/A AZPHAZ IN 18.10529 0.819 -91.4 68 18.08834 0.82C -90.4 59 17.43585 0.869 -87.6 68 17.43585 0.869 -87.6 68  35 ATLAS PHOTO N  ALT LAT LON 770.60593 -6.783 -28.76  A* B/A AZPHAZ IN 17.63161 0.82C -91.4 68 17.63560 0.821 -90.4 69 17.63560 0.821 -90.4 69 17.63560 0.821 -90.4 66 17.6575 0.869 -87.6 68	R V PTH AZ  2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0-1  1.8 38.6 34.9 30.0 55.47050 1-2  1.8 38.6 34.9 30.0 55.47050 3-4  1.7 36.4 40.2 33.8 82.07540 3-4  1.7 36.4 40.2 33.5 80.02606 4-5  1.8 41.0 34.2 25.9 85.78473 5-6  1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH AZ  2506.061 2.259 -69.629 116.106  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.2 27.1 0. 0-1  1.8 38.6 34.8 30.0 54.94031 1-2  1.1 41.0 29.8 26.4 57.48754 2-3  1.1 41.0 29.8 26.4 57.48754 2-3  1.1 41.0 29.8 26.4 57.48754 2-3  1.2 36.8 36.4 36.2 33.8 79.90412 3-4
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 96.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2  TRAJECTORY DATA PHOTC DATA PT LAT LON 1 -10.999 -19.802 849.05649 2 -12.273 -18.483 877.06743 3 -11.127 -20.029 866.84293 4 -11.019 -17.343 886.27911	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS	SEC TO IMPACT 356-326  AZSUN AZA-682-7 34-7 -81-2 33-0 -81-6 30-3 -83-0 34-4 -83-1 37-1 -81-2 33-0  TAR NO  SEC TO IMPACT 346-246  AZSUN AZA -82-7 34-6 -82-4 33-7 -81-3 33-0 -81-6 30-3 33-0	ALT LAT LON 791.92C47 -6.704 -28.92  A* B/A AZPHAZ IN 18.10529 0.819 -91.4 68 18.08834 0.82C -90.4 59 17.43585 0.869 -87.6 68 17.43585 0.869 -87.6 68  35 ATLAS PHOTO N  ALT LAT LON 770.60593 -6.783 -28.76  A* B/A AZPHAZ IN 17.63161 0.82C -91.4 68 17.63560 0.821 -90.4 69 17.63560 0.821 -90.4 69 17.63560 0.821 -90.4 66 17.6575 0.869 -87.6 68	R V PTH AZ  2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0-1  1.8 38.6 34.9 30.0 55.47050 1-2  1.8 38.6 34.9 30.0 55.47050 3-4  1.7 36.4 40.2 33.8 82.07540 3-4  1.7 36.4 40.2 33.5 80.02606 4-5  1.8 41.0 34.2 25.9 85.78473 5-6  1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH AZ  2506.061 2.259 -69.629 116.106  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.2 27.1 0. 0-1  1.8 38.6 34.8 30.0 54.94031 1-2  1.1 41.0 29.8 26.4 57.48754 2-3  1.1 41.0 29.8 26.4 57.48754 2-3  1.1 41.0 29.8 26.4 57.48754 2-3  1.2 36.8 36.4 36.2 33.8 79.90412 3-4
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 96.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2  TRAJECTORY DATA PHOTC DATA PT LAT LON 1 -10.999 -19.802 849.05649 2 -12.273 -18.483 877.06743 3 -11.127 -20.029 866.84293 4 -11.019 -17.343 886.27911	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS	SEC TO IMPACT 356-326  AZSUN AZA-682-7 34-7 -81-2 33-0 -81-6 30-3 -83-0 34-4 -83-1 37-1 -81-2 33-0  TAR NO  SEC TO IMPACT 346-246  AZSUN AZA -82-7 34-6 -82-4 33-7 -81-3 33-0 -81-6 30-3 33-0	ALT LAT LON 791.92C47 -6.704 -28.92  A* B/A AZPHAZ IN 18.10529 0.819 -91.4 68 18.08834 0.82C -90.4 59 17.43585 0.869 -87.6 68 17.43585 0.869 -87.6 68  35 ATLAS PHOTO N  ALT LAT LON 770.60593 -6.783 -28.76  A* B/A AZPHAZ IN 17.63161 0.82C -91.4 68 17.63560 0.821 -90.4 69 17.63560 0.821 -90.4 69 17.63560 0.821 -90.4 66 17.6575 0.869 -87.6 68	R V PTH AZ  2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0-1  1.8 38.6 34.9 30.0 55.47050 1-2  1.8 38.6 34.9 30.0 55.47050 3-4  1.7 36.4 40.2 33.8 82.07540 3-4  1.7 36.4 40.2 33.5 80.02606 4-5  1.8 41.0 34.2 25.9 85.78473 5-6  1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH AZ  2506.061 2.259 -69.629 116.106  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.2 27.1 0. 0-1  1.8 38.6 34.8 30.0 54.94031 1-2  1.1 41.0 29.8 26.4 57.48754 2-3  1.1 41.0 29.8 26.4 57.48754 2-3  1.1 41.0 29.8 26.4 57.48754 2-3  1.2 36.8 36.4 36.2 33.8 79.90412 3-4
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS	SEC TO IMPACT 356.326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0 -81.6 30.3 -81.9 34.6 -82.7 34.7 35.0 -81.3 33.0 -81.6 30.3 33.0 -81.6 30.3 33.0 -81.6 30.3 33.0	ALT LON 791.92C47 -6.704 -28.92  A	R V PTH AZ 2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0. 0. 1 1.8 38.6 34.9 30.0 55.47050 1-2 1.8 38.6 34.9 35.0 55.47050 3-4 1.8 36.4 36.2 33.8 82.07540 3-4 1.8 36.4 36.2 33.8 82.07540 3-4 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH AZ 2506.061 2.259 -69.629 116.106  CO PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.2 27.1 0. 0-1 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 36.4 36.2 33.8 79.90412 3-4 1.6 36.4 36.2 33.8 79.90412 3-4 1.6 36.4 36.1 34.1 25.9 83.6819 5-6 1.1 41.0 29.8 26.4 77.88213 4-5 1.8 41.0 34.1 25.9 83.6819 5-6 1.1 41.0 29.8 26.4 73.59671 6-7
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.778 96.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2 TRAJECTORY DATA PHOTC DATA PT LAT LON RANGE 1 -10.999 -19.802 2 -12.273 -18.483 87.06743 3 -11.127 -20.029 866.8293 4 -11.019 -17.343 886.27911 5 -13.524 -16.751 915.35898 6 -13.518 -19.586 872.57267 7 -11.127 -20.029 846.84293	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS AZS/C AZN -54.2 9.5 -56.3 10.5 -58.1 8.9 -63.5 10.5 -58.1 8.9 -63.5 10.4 -58.1 8.9	SEC TO IMPACT 356.326  AZSUN AZA.4 33.7.1 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0  TAB NO  SEC TO IMPACT 346.246  AZSUN AZA.6 32.4 33.7 -81.3 33.0 -81.6 30.3 -83.9 34.3 -83.1 37.0 -81.3 33.0  TAB NO	ALT CO. TO. TO. TO. TO. TO. TO. TO. TO. TO. T	R V PTH AZ  2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0-1  1.8 38.6 34.9 30.0 55.47050 1-2  1.1 41.0 29.8 26.4 59.05290 2-3  1.8 36.4 40.2 33.8 82.07540 3-4  1.7 36.4 40.2 33.5 80.02606 4-5  1.8 41.0 34.2 25.9 85.78473 5-6  1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH AZ  2506.061 2.259 -69.629 116.106  CO PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.2 27.1 0. 0-1  1.8 38.6 34.8 30.0 54.94031 1-2  1.1 41.0 29.8 26.4 57.48754 2-3  1.8 36.4 36.2 33.8 79.90412 3-4  1.6 36.4 36.2 33.8 79.90412 3-4  1.6 36.4 40.1 33.4 77.88213 4-5  1.8 41.0 34.1 25.9 83.48819 5-6  1.1 41.0 29.8 26.4 73.59671 6-7  O 36 POD SEQUENCE NO 575
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 96.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.999 -19.802 849.05649 2 -12.273 -18.483 877.06743 3 -11.127 -20.029 866.84293  JULY 31,1964 13 HR 20 MIN 9 1 LAT LON 16.664 86.7911 5 -13.524 -16.751 915.35898 6 -13.518 -19.586 872.57267 7 -11.127 -20.029 866.84293	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS AZS/C AZN -54.2 9.5 -56.3 10.5 -58.1 8.9 -63.5 10.5 -58.1 8.9 -63.5 10.4 -58.1 8.9	SEC TO IMPACT 356.326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0 -81.6 30.3 -81.9 34.6 -82.7 34.7 35.0 -81.3 33.0 -81.6 30.3 33.0 -81.6 30.3 33.0 -81.6 30.3 33.0	ALT LON 791.92C47 -6.704 -28.92  A	R V PTH AZ 2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0. 0. 1 1.8 38.6 34.9 31.0 55.47050 1-2 1.8 38.6 34.9 31.0 55.47050 3-4 1.8 36.4 36.2 33.8 82.07540 3-4 1.8 36.4 36.2 33.8 82.07540 3-4 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH AZ 2506.061 2.259 -69.629 116.106  CO PHAZ EMIS ALPHA SCALE PT-PT 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 36.4 36.2 33.8 79.90412 3-4 1.6 36.4 36.2 33.8 79.90412 3-4 1.6 36.4 36.2 33.8 79.90412 3-4 1.6 36.4 36.2 33.8 79.90412 3-4 1.8 41.0 34.1 25.9 83.48819 5-6 1.1 41.0 29.8 26.4 73.59671 6-7  O 36 POD SEQUENCE NO 575
TRAJECTORY DATA  PHOTO DATA PT LAT LON 872.36292 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2  TRAJECTORY DATA PHOTC DATA PT LAT LON RANGE 1 -10.999 -19.802 877.06743 3 -11.127 -20.029 866.27911 5 -13.524 -16.751 915.35898 6 -13.518 -19.586 872.57267 7 -11.127 -20.029 846.84293  JULY 31,1964 13 HR 20 MIN 9  TRAJECTORY DATA	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS AZS/C AZN -54.2 9.5 -56.3 10.5 -58.1 8.9 -63.5 10.5 -58.1 8.9 SEC 273 MS	SEC TO IMPACT 356.326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0  TAR NO  SEC TO IMPACT 346.246  AZSUN AZA -82.7 34.6 -82.4 33.7 -81.3 33.0 -81.6 30.3 -81.6 30.3 -81.7 34.6 -82.8 33.7 -81.3 33.0 -81.6 30.3 -81.8 30.0  TAR NO	ALT LAT LON 791.92C47 -6.704 -28.92  A	R V PTH A2 2527.376 2.251 -69.743 116.129  CD PHA2 EMIS ALPHA SCALE PT-PT 1.4 40.5 30.3 27.2 0. 0. 0 - 1 1.8 38.6 34.9 30.0 55.47050 1-2 1.8 38.6 34.9 30.0 55.47050 3-4 1.8 36.4 36.2 33.8 82.07540 3-4 1.7 36.4 40.2 33.5 80.02606 4-5 1.8 41.0 34.2 25.9 85.78473 5-6 1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH A2 2506.061 2.259 -69.629 116.106  CO PHAZ EMIS ALPHA SCALE PT-PT 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 36.4 30.2 27.1 0. 0-1 1.8 38.6 34.8 30.0 54.94031 1-2 1.8 36.4 36.2 33.8 79.90412 3-4 1.6 36.4 40.1 33.4 77.88213 4-5 1.8 41.0 34.1 25.9 83.48819 5-6 1.1 41.0 29.8 26.4 73.59671 6-7  O 36 POD SEQUENCE NO 575
PHOTO DATA  PY LAT LON RANGE 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31.1964 13 HR 20 MIN 2  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -10.999 -19.802 877.06743 3 -11.127 -20.029 846.84293 4 -11.019 -17.343 886.27911 5 -13.524 -16.751 91.5368 7 -11.127 -20.029 846.84293  JULY 31.1964 13 HR 20 MIN 9  TRAJECTORY DATA PT LAT LON RANGE 872.57267 7 -11.127 -20.029 846.84293	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS AZS/C AZN -54.2 9.5 -56.3 10.5 -58.1 8.9 -63.5 10.5 -58.1 8.9 SEC 273 MS	SEC TO IMPACT 356-326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0  TAR NO  SEC TO IMPACT 346-246  AZSUN AZA -82.7 34.6 -82.4 33.7 -81.3 33.0 -81.6 30.3 -81.6 30.3 -81.8 33.0 -81.8 33.0 -81.8 33.0 -81.8 33.0 -81.8 33.0 -83.9 34.3 -83.9 34.3 -83.9 34.3 -83.9 34.3 -83.9 34.3 -83.9 34.3 -83.9 34.3 -83.9 34.3 -83.9 34.3 -83.9 34.3 -83.9 34.3	ALT LAT LON 791.92C47 -6.704 -28.92  A	R V PTH AZ  2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0-1  1.8 38.6 34.9 30.0 55.47050 1-2  1.8 38.6 34.9 30.0 55.47050 3-4  1.7 36.4 40.2 33.8 82.07540 3-4  1.8 41.0 34.2 25.9 85.78473 5-6  1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH AZ  2506.061 2.259 -69.629 116.106  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.2 27.1 0. 0-1  1.6 36.4 36.2 33.8 79.90412 3-4  1.6 36.4 36.2 33.8 79.90412 3-4  1.6 36.4 36.2 33.8 77.88213 4-5  1.6 36.4 36.1 33.4 77.88213 4-5  1.6 36.4 36.1 33.4 77.88213 5-6  O 36 POD SEQUENCE NO 575  R V PTH AZ  2491.822 2.264 -69.553 116.090
TRAJECTORY DATA  PHOTO DATA  PT LAT LON R2AGE 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.06480 6 -13.591 -19.578 96.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 2 -12.273 -18.483 87.06743 3 -11.127 -20.029 866.84293 4 -11.019 -17.343 866.27911 5 -13.524 -16.751 915.35896 7 -11.127 -20.029 646.84293  JULY 31,1964 13 HR 20 MIN 9  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 833.48140 1.26640	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS AZS/C AZN -54.2 9.5 -58.1 8.9 -63.5 10.5 -58.1 10.5 -58.1 8.9 -63.5 10.5 -58.1 8.9	SEC TO IMPACT 356-326  AZSUN AZA - 622-7 34-7 - 78.22 33-0 - 81.6 30-3 - 83.9 34-4 - 83.1 37-1 - 81.2 33-0  TAB NO  SEC TO IMPACT 346-246  AZSUN AZA - 62.4 33-7 - 81.3 33-0 - 83.9 34-3 -	ALT LAT LON 791.92C47 -6.704 -28.92  A	R V PTH AZ  17 2527.376 2.251 -69.743 116.129  18 38.6 34.9 30.0 55.47050 1-2  18 38.6 34.9 30.0 55.47050 3-4  18 36.4 36.2 33.8 82.07540 3-4  18 36.4 36.2 33.8 82.07540 3-4  18 41.0 34.2 25.9 85.78473 5-6  18 41.0 34.2 25.9 85.78473 5-6  18 41.0 34.2 25.9 85.78473 5-6  18 41.0 34.2 25.9 85.78473 5-6  18 41.0 34.2 25.9 85.78473 5-6  18 41.0 34.2 25.9 85.78473 5-6  18 41.0 34.2 25.9 69.629 116.106  18 40.5 30.2 27.1 0. 0-1  18 38.6 34.8 30.0 54.94031 1-2  18 36.4 36.2 33.8 79.90412 3-4  18 36.4 36.2 33.8 79.90412 3-4  18 36.4 36.2 33.8 79.90412 3-5  18 41.0 34.1 25.9 83.48819 5-6
PHOTO DATA PT LAT LON RANGE 2 -12.312 -18.446 900.63236 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.08480 6 -13.591 -19.578 896.05711 7 -11.135 -20.034 869.55449  JULY 31,1964 13 HR 20 MIN 2  TRAJECTORY DATA PT LAT LON RANGE 2 -12.273 -18.483 877.06743 3 -11.127 -20.029 864.8293 4 -11.019 -17.343 866.27911 5 -13.518 -19.586 872.57267 7 -11.127 -20.029 864.84293  JULY 31,1964 13 HR 20 MIN 9  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE 6 -13.518 -19.586 872.57267 7 -11.127 -20.029 846.84293	AZS/C AZN -54.2 9.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS AZS/C AZN -54.2 9.5 -56.3 10.5 -58.1 8.9 -63.5 10.5 -58.1 8.9 -63.5 10.5 -58.1 8.9 -58.1 8.9 -58.1 8.9	SEC TO IMPACT 356-326  AZSUN AZA -82-7 34-7 -81.2 33-0 -81.6 30-3 -83-9 24-4 -83.1 37-1 -81.2 33-0  TAR NO  SEC TO IMPACT 346-246  AZSUN AZA -82-7 34-6 -82-4 33-7 -81.3 33-0  TAB NO  SEC TO IMPACT 339-527  AZSUN AZA -82-7 34-6 -81-3 33-0  TAB NO	ALT LAT LON 791.92C47 -6.704 -28.92  A	R V PTH AZ  2527.376 2.251 -69.743 116.129  CD PHAZ EMIS ALPHA SCALE PT-PT  1.4 40.5 30.3 27.2 0. 0. 0. 1  1.8 38.6 34.9 30.0 55.47050 1-2  1.8 38.6 36.9 35.9 35.8 82.07540 3-4  1.8 36.4 36.2 33.8 82.07540 3-4  1.8 36.4 36.2 33.8 82.07540 3-4  1.8 41.0 34.2 25.9 85.78473 5-6  1.1 41.0 29.8 26.4 75.60285 6-7  O 35 POD SEQUENCE NO 567  R V PTH AZ  2506.061 2.259 -69.629 116.106  CO PHAZ EMIS ALPHA SCALE PT-PT  1.8 38.6 34.8 30.0 54.94031 1-2  1.8 41.0 34.2 25.9 83.88 79.90412 3-4  1.8 36.4 36.2 33.8 79.90412 3-4  1.8 36.4 36.2 33.8 79.90412 3-5  1.8 36.4 36.2 33.8 79.90412 3-5  1.8 36.4 36.2 35.8 79.90412 3-5  1.8 41.0 34.1 25.9 83.6819 5-6  1.1 41.0 29.8 26.4 73.59671 6-7  O 36 POD SEQUENCE NO 575
PHOTO DATA PT LAT LON RANGE 3 -11.135 -20.034 869.55449 4 -11.024 -17.275 910.10123 5 -13.598 -16.664 940.08480 6 -13.591 -19.578 896.55149  JULY 31,1964 13 HR 20 MIN 2  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE 2 -12.273 -18.483 877.06743 3 -11.127 -20.029 864.8293 4 -11.019 -17.343 866.27911 5 -13.518 -19.586 872.57267 7 -11.127 -20.029 864.84293  JULY 31,1964 13 HR 20 MIN 9  TRAJECTORY DATA PT LAT LON RANGE 6 -13.518 -19.586 872.57267 7 -11.127 -20.029 846.84293	AZS/C AZN -54.2 9.5 -56.3 10.5 -58.0 9.0 -63.5 10.5 -55.0 12.4 -48.7 10.5 -58.0 9.0 SEC 553 MS AZS/C AZN -54.2 9.5 -56.3 10.5 -58.1 8.9 -63.5 10.5 -58.1 8.9 -53.5 10.5 -58.1 8.9 SEC 273 MS	SEC TO IMPACT 356.326  AZSUN AZA -82.7 34.7 -81.2 33.0 -81.6 30.3 -83.9 34.4 -83.1 37.1 -81.2 33.0  TAB NO  SEC TO IMPACT 346.246  AZSUN AZA -82.7 34.6 -82.4 33.7 -81.3 33.0 -83.1 37.0 -81.6 30.3 -83.9 34.3 -83.9 34.3 -83.9 34.3 33.0 TAB NO	ALT CONTROL OF CONTROL	R V PTH AZ  CO PHAZ EMIS ALPHA SCALE PT-PT  CA 40.5 30.3 27.2 0. 0-1  CB 38.6 34.9 30.0 55.47050 1-2  CB 40.6 36.4 36.2 33.8 82.07540 3-4  CB 41.0 34.2 25.9 85.78473 5-6  CB 41.0 34.2 25.9 85.78473 5-6  CD 70 35 POD SEQUENCE NO 567  R V PTH AZ  CB 70.6 36.4 36.2 33.8 82.07540 3-4  CC PHAZ EMIS ALPHA SCALE PT-PT  CB 36.4 36.2 33.8 82.07540 3-4  CC PHAZ EMIS ALPHA SCALE PT-PT  CB 36.4 36.2 33.8 82.07540 3-4  CC PHAZ EMIS ALPHA SCALE PT-PT  CB 36.4 36.2 33.8 82.07540 3-5  CC PHAZ EMIS ALPHA SCALE PT-PT  CB 36.4 36.2 33.8 79.90412 3-4  CC 36.4 40.1 33.4 77.88213 4-5  CC PHAZ EMIS ALPHA SCALE PT-PT  CC 36 POD SEQUENCE NO 575  CC PHAZ EMIS ALPHA SCALE PT-PT  CC 36 POD SEQUENCE NO 575

			RA-V11	CAMERA	P 3						7
				TAB NO	37	ATLAS PHOTO	NO 37	,	POD SE	QUENCE NO	583
JULY 31,1964 13 HR TRAJECTORY DATA	20 MIN 15 SE	C 992 MS	SEC TO	IMPACT	ALT	LAT LCN	1	R	٧	PTH A	
			332.	807	742.10269 -	-6.890 -28.5	43 2	477.558		-69.475 116	
PHOTO DATA PT LAT LCN 1 -10.977 -19.848	RANGE A	AZS/C AZ	N AZSUN 5 -82.7	AZA	A+ B.	/A AZPHAZ I		AZ EMIS A	LPHA 27.0	SCALE P	T-PT 0- 1
2 -12.220 -18.540	845.43177 -	-56.4 10. -58.1 8.	5 -82.4	33.6	16.97969 0.1	822 -90.4 6	9.7 38.	7 34.7	29.9	54.07297 55.38126	1- 2 2- 3
3 -11.116 -20.028 4 -11.012 -17.440	854.28725 -	-63.5 10.	4 -81.5	30.4	17.12450 0.0	81C -87.4 7	70.7 36.	4 36.1	33.7	76.97915	3- 4
		-55.1 12. -48.9 10.	3 -83.1	34.2 36.8	16.85941 0.8	768 -93.4 7 830 -93.1 6	58.8 41.	.0 34.0	25.9	80.39577	5- 6
7 -11.116 -20.028	816.36243 -	-58.1 8.			16.36927 0.0	87C -87_6 £		.0 29.B	26.4		6- 7
JULY 31,1964 13 HR	20 MIN 22 SE	EC 712 MS		TAB NO	38	ATLAS PHOTO	NO 38	3	POD SE	QUENCE NO	591
TRAJECTORY DATA			SEC TO 326	I MPACT	ALT 727.81461	LAT LOF	N 131 :	к 2463.270	v 2.274	PTH A-69.397 116	.058
PHOTO DATA PT LAT LON	RANGE A	AZS/C AZ	N AZSUN	AZA	A• B	/A AZPHAZ	INCD PH	AZ EMIS A	ALPHA		T-PT
1 -10.966 -19.871 2 -12.194 -18.568	802.23996 -	-54.4 9.	5 -82.7	34.5 33.6	16.67687 0.	821 -91-4	58.3 40.	.7 30.0	27.0	0. 53.63682	0- 1 1- 2
3 -11.111 -20.027	8C1.07379 -	-58.1 8.	9 -81.3	32.9	16.06271 0.	87C -87.6	58.1 41	.0 29.7	26.4	54.32683 75.51388	2- 3
4 -11.008 -17.489 5 -13.376 -16.336	838.24392 - 865.51950 -	-63.5 10. -55.1 12.		30 • 4 14 • 2	16.80292 0.	81C -87.4 769 -93.4			33.6 33.2	73.56709	4- 5
6 -13.371 -19.612 7 -11.111 -20.027	825.25882 -	-49.0 10. -58.1 8.		36.8	16.54269 0. 16.06271 C.			.0 34.0 .0 29.7	25.8 26.4	78.84824 69.55907	5- 6 6- 7
				TAB NO	39	ATLAS PHOTO	NO 3	9	POD SE	EQUENCE NO	599
JULY 31,1964 13 HR	20 MIN 29 SE	EC 431 MS									
TRAJECTURY UNTA				IMPACT 368	ALT 713.50189	-7.CCO -28.	N 317	R 2448.957	2.279 ·	-69.318 116	AZ 5.042
			N AZSUN	AZA		A AZPHAZ				SCALE I	PT-PT 0- 1
1 -10.956 -19.893 2 -12.168 -18.596	786.57309 - 613.66896 -	-54.4 9. -56.4 10.		34.4	16.35730 C. 16.34176 O.			.7 29.9 .7 34.6	29.8	53.19386	1- 2
3 -11.105 -20.027 4 -11.005 -17.538	785.75050 -	-58.1 8. -63.5 10.		32.9 30.4	15.75545 0. 16.48067 0.		68.1 41 70.6 36	.0 29.7 .4 36.0	26.4 33.6	53.27109 74.04673	
5 -13.326 -16.998	848.84731	-55.1 12.	1 -83.9	34.2	17.02062 0.	770 -93.4	71.3 36	.4 39.8	33.1	72.12654 77.29955	
6 -13.322 -19.620		-49.1 10.	3 -83.2	36.7	16.22530 C.	831 -93.1	68.8 41	.0 34.0	25.8	11.29955	3- B
7 -11.105 -20.027	785.75050 -	-58.1 8.	9 -81.3	32.9	15.75545 C.		68.1 41	.0 29.7	26.4	68.20982	
7 -11.105 -20.027	185.75050	->8.1 8.	9 -81.3		15.75545 G.	870 -87.6 ATLAS PHOTO	68.1 41	.0 29.7		68.20982 EQUENCE NO	6- 7
7 +11.105 -20.027  JULY 31,1964 13 HR			9 -81.3	32.9 TAB NO		87C -87.6	68.1 41	.0 29.7	POD SI	68.20982 EQUENCE NO	6- 7 607
JULY 31,1964 13 HR TRAJECTORY DATA			SEC TO		40 AL T	87C -87.6	68.1 41 NO 44	.0 29.7 <b>0</b>	POD SI	68.20982 EQUENCE NO	6- 7 607
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	20 MIN 36 SI	EC 151 MS	SEC TO	TAB NO	ALT 699.16446	87C -87.6  ATLAS PHOTO  LAT LG -7.C56 -28.	68.1 41  NO 44  N 202  INCD PH	.0 29.7 0 R 2434.620 AZ EMIS	POD SI	68.20982 EQUENCE NO PTH -69.238 11	6- 7 607 AZ 6-025
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10,945 -10,916	20 MIN 36 SE RANGE 770-87513	EC 151 MS AZS/C AZ -54.4 9.	SEC TO 312 N AZSUN 4 -82.7	TAB NO	ALT 699.16446 A* B 16.03795 0.	87C -87.6  ATLAS PHOTO  LAT LG -7.C56 -28.  8/A AZPHAZ 822 -91.4	NO 44 NO 202 INCD PH 68.2 40	.0 29.7 0 R 2434.620 BAZ EMIS	POD SI V 2.284 ALPHA 26.8	68.20982 EQUENCE NO PTH -69.238 11: SCALE 0.	6- 7 607 AZ 6-025 PT-PT 0- 1
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10,945 -19,916 2 -12,142 -18,621 3 -11,100 -20,024	20 MIN 36 SI RANGE (10.8/513 797.78L67 770.42931	AZS/C AZ-54.4 956.5 1058.2 8.	SEC TO 312 N AZSUN 4 -82.7 4 -82.4 9 -81.3	TAB NO  [MPACT .648  AZA .34.4 .33.5 .32.9	ALT 699.16446 A. H 16.03795 0. 16.02248 0. 15.44824 C.	87C -67.6 ATLAS PHOTO  LAT LG -7.C56 -28.  3/A AZPHAZ 822 -91.4 .623 -90.4 .87C -87.6	NO 44 NO 49 NO 202 INCD PH 68.2 40 69.6 38 68.2 41	.0 29.7 0 R 2434.620 AZ EMIS 1.7 29.8 1.7 34.6 1.0 29.7	POD SI V 2.284 ALPHA 26.8 29.8	68.20982 EQUENCE NO PTH -69.238 11 SCALE 0. 52.81337	6- 7 607 AZ 6-025 PI-PI 0- 1 1-2 2- 3
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.945 -19.416 2 -12.142 -18.621 3 -11.100 -20.024 4 -11.001 -17.546	20 MIN 36 SE RANGE 170.8/513 797.78L67 770.42931 506.10734	AZS/C AZ -54.4 9. -56.5 10. -58.2 -63.5 10.	SEC TO 312 N AZSUN 4 -82.7 4 -81.3 4 -81.5	TAB NO  IMPACT  .648  AZA 34.4 33.5 32.9 30.4	ALT 699.16446 A* B 16.03795 0. 16.02268 0. 15.44824 C. 16.15876 0.	87C -87.6  ATLAS PHOTO  LAI LG -7.C56 -28.  8/A AZPHAL  822 -91.4  823 -90.4  87C -87.6  811 -87.4	NO 44 NO 202 INCD PH 68.2 40 68.2 41 70.5 36	.0 29.7 0 R 2434.620 AZ EMIS .7 29.8 1.7 34.6 .0 29.7 4 35.9	POD SI V 2.284 ALPHA 26.8 29.8	68.20982 EQUENCE NO PTH -69.238 11: SCALE 0.	6- 7 607 AZ 6-025 P1-P1 0- 1 -1- 2 2- 3 3- 4
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,416 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 5 -13,277 -17,056 6 -13,273 -19,626	RANGE (70.8/513 797.78L67 770.42931 606.10734 #32.19984 793.5967	AZS/C AZ -54.4 9. -56.5 10. -58.2 8. -63.5 10. -59.2 12.	SEC TO 312 N AZSUN 4 -82.7 4 -82.4 9 -81.3 4 -81.3 -83.9 3 -83.2	TAB NO  IMPACT .648  AZA .34.4 .33.5 .32.9 .30.4 .34.1 .36.6	ALT 699.16446 A• B 16.03795 O 16.02268 O 15.44824 C 16.15876 O 16.68682 C 15.90864 C	87C -87.6 ATLAS PHOTO LAT LG -7.C56 -28. 8/A AZPHAZ 822 -91.4 .823 -90.4 .87C -87.6 .811 -87.4 -771 -93.4 .831 -93.1	NO 44 NO 44 NO 202 INCD PH 68.2 40 69.6 38 68.2 41 70.5 36 68.8 41	.0 29.7 0 R 2434.620 AZ EMIS 1.7 29.8 1.7 34.6 1.0 29.7 1.4 35.9 1.4 39.7 1.0 33.9	POD SI V 2.284 ALPHA 26.8 29.8 26.4 33.5 33.1 25.8	PTH -69.238 11  SCALE 0. 52.81337 -52.2034 72.58777 70.69034 75.76116	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,916 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 5 -13,277 -17,056	RANGE (70.8/513 797.78L67 770.42931 606.10734 #32.19984 793.5967	AZS/C AZ -54.4 9. -56.5 10. -58.2 8. -63.5 10. -59.2 12.	SEC TO 312 N AZSUN 4 -82.7 4 -82.4 9 -81.5 1 -83.9 3 -81.3	AZA 34.4 33.5 32.9 30.4 24.1 16.6 32.9	ALT 659.16446 A* B 16.03750 0. 15.44824 C. 16.15876 0. 16.08622 C. 15.90864 0. 15.44824 0.	87C -67.6  ATLAS PHOTO  LAT LC -7.C56 -28.  1/A AZPHAZ 822 -91.4 823 -90.4 87C -87.6 8811 -87.4 771 -93.4 87C -87.6	NO 41 NO 41 NO 41 NO 41 NO 202 INCD PH 68.2 40 69.6 38 68.2 41 70.5 36 71.3 36 68.2 41	.0 29.7 0 R 2434.620 (AZ EMIS 1.7 29.8 1.7 34.6 1.0 29.7 1.4 35.9 1.4 39.7 1.0 33.9 1.0 29.7	POD SI V 2.284 ALPHA 26.8 29.8 26.4 33.5 33.1 25.8 26.4	68.20982 EQUENCE NO PTH -69.238 11: SCALE 0. 52.81331- 52.22034 72.58777 70.69034 75.76116 66.8623C	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.945 -19.416 2 -12.142 -18.621 3 -11.100 -20.024 4 -11.001 -17.594 5 -13.277 -17.056 6 -13.273 -19.626 7 -11.100 -20.024  JULY 31,1964 13 HK	20 MIN 36 SI RANGE 170-81513 197-78167 170-42931 606-10154 832-19984 1793-59677 170-42931	ALS/C A-54.4 954.4 954.5 1058.2 1249.1 1058.2 8.	SEC TO 312 N AZSUN 4 -82.7 4 -81.3 4 -81.5 1 -83.9 3 -83.2 9 -81.3	TAB NO  [MPACT .648  AZA .34.4 .33.5 .32.9 .30.4 .34.1 .36.6 .32.9  TAB NO	ALT 659.16446 16.03755 16.02288 15.44824 16.15876 16.88622 15.90864 0.15.44824 0.	87C -87.6  ATLAS PHOTO  LAI LC -7.C56 -28.  3/A AZPHAZ .822 -91.4 .823 -90.4 .87C -87.6 .871 -93.4 .891 -93.1 .891 -93.1 .897 -87.6  ATLAS PHOTO	NO 44  NO 49  NO 202  INCD PH 68.2 40 69.6 38 68.2 41 70.5 36 68.8 41 68.2 41  NO 4	.0 29.7 0 R 2434.620 AZ EMIS .7 29.8 .1 29.8 .0 29.7 .4 35.9 .0 33.9 .0 29.7	POD SI V 2.284 ALPHA 26.8 29.8 26.4 33.5 33.1 25.8 26.4	68.20982 EQUENCE NO  PTH -69.238 11: 5CALE 0. 52.81337 -52.22034 72.58777 70.69034 75.76116 66.8623C EQUENCE NO	6-7 607 AZ 6-025 PT-PT 0-1 1-2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,416 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 5 -13,277 -17,056 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 ER  TRAJECTORY DATA	20 MIN 36 SI RANGE 170-81513 197-78167 170-42931 606-10154 832-19984 1793-59677 170-42931	ALS/C A-54.4 954.4 954.5 1058.2 1249.1 1058.2 8.	SEC TO 312 N AZSUN 4 -82.7 4 -82.7 9 -81.3 4 -81.5 1 -83.9 9 -81.3	AZA 34.4 33.5 32.9 30.4 24.1 16.6 32.9	ALT 659.16446 A. B. B. 16.03755 0. 16.02288 0. 15.44824 C. 16.15876 0. 16.8862 C. 15.90864 C. 15.90864 0.	87C -67.6  ATLAS PHOTO  LAT LC -7.C56 -28.  1/A AZPHAZ 822 -91.4 823 -90.4 87C -87.6 8811 -87.4 771 -93.4 87C -87.6	NO 44  NO 49  NO 202  INCD PH 68.2 40 68.2 41 70.5 36 68.2 41 68.2 41	.0 29.7 0 R 2434.620 AZ EMIS 1.7 29.8 1.7 34.6 1.0 29.7 1.4 35.9 1.4 39.7 1.0 33.9 1.0 29.7	POD SI V 2.284 ALPHA 26.8 29.8 26.4 33.5 33.1 25.8 26.4	68.20982 EQUENCE NO  PTH -69.238 11: 5CALE 0. 52.81337 -52.22034 72.58777 70.69034 75.76116 66.8623C EQUENCE NO	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,316 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 5 -13,277 -17,056 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 EK  TRAJECTORY DATA  PHOTO DATA PT LAT LCN	20 MIN 36 SI  RANGE 170-87513 197-78167 170-42931 006-10734 432-19984 172-49987 170-42931 20 MIN 44 S	AZS/C AA -54.4 9, -56.5 10, -58.2 8, -53.5 12, -59.2 12, -49.1 10, -58.2 8, EC 551 MS	SEC TO 312  N AZ2-7 4 -82-4 -81-3 4 -81-5 1 -83-9 3 -83-2 9 -81-3  SFL TU 304 N A75UN	TAB NO  [MPACT .648  AZA .34.4 .33.5 .12.9 .30.4 .1 .16.6 .12.9  TAB NO  [MPACT .249  AZA	ALT 659.16446 16.03755 0.16.02268 0.15.44824 0.16.15876 0.16.08662 0.15.90864 0.15.44824 0.15.44824 0.16.120749	87C -87.6  ATLAS PHOTO  LAT LC -7.C56 -28.  6/A AZPHAZ .822 -91.4 .823 -90.4 .87C -87.6 .811 -87.4 .771 -93.4 .87C -87.6  ATLAS PHOTO  LAT LC -7.127 -22.	NO 4  NO 4  NO 4  NO 202  INCD PH  68.2 40  69.6 38 41  68.2 41  NO 4  NO 4	.0 29.7  R 2434.620  AZ EMIS .7 29.8 .7 34.6 .0 29.7 .4 35.9 .0 33.9 .0 29.7  1  R 2416.663	POD SI  V 2-284  ALPHA 26-8 29-8 29-8 26-4 33-5 33-1 25-8 26-4  POD Si  V 2-290  ALPHA	68.20982 EQUENCE NO  PTH  -69.238 11:  \$CALE  0.  52.81337  52.22034 72.58177 70.69034 75.76116 66.8623C EQUENCE NO	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 AZ 6-004 PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,916 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 6 -13,277 -17,056 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 HR  IRAJECTORY DATA  PHOTO DATA  PT LAT LCN 1 -10,932 -19,943	20 MIN 36 SI  RANGL 170.87513 197.78167 170.42931 606.10734 193.59677 170.42931 20 MIN 44 S	AZS/C AA-54.4 954.4 954.5 1058.2 863.5 1259.2 1249.1 1058.2 8. EC 551 MS	SEC TO 312  N AZSUN 4 - 842-4  4 - 842-5  1 - 83.9  - 81.3  SEL TO 304  N AZSUN 4 - 81.5	TAB NO  [MPACT . 648  AZA . 34.4 33.5 32.9 30.4 24.1 46.6 32.9  TAB NO  [MPACT . 249  AZA . 34.3	ALT 659.16446 A	87C -87.6  ATLAS PHOTO  LAT   LC -7.C56 -28.  3/A AZPHAZ .822 -91.4 .87C -87.6 .831 -87.4 .831 -93.1 .87C -87.6 .831 -93.4 .87C -87.6 .871 -93.4 .872 -87.6	NO 44  NO 44  NO 202  INCD PH 68.2 40 69.6 38 68.2 41 68.2 41  NO 4	.0 29.7  R 2434.620  AZ EMIS .7 29.8 .7 34.6 .0 29.7 .4 35.9 .0 33.9 .0 29.7  1  R 2416.663	V 2.284  ALPHA 26.8 29.8 26.4 33.5 33.1 25.8 26.4  POD S	68.20982 EQUENCE NO  PTH  -69.238 11:  \$CALE  0.  52.81337  72.58777  70.69034  75.76116  66.8623C  EQUENCE NO  PTH  -69.137 11  \$CALE  0.  52.32193	AZ 6.025 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 AZ 6.004 PT-PT 0-1 1-2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.945 -19.416 2 -12.142 -18.621 3 -11.100 -20.024 4 -11.001 -1/.596 5 -13.277 -17.056 6 -13.273 -19.626 7 -11.100 -20.024  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 1 -10.932 -19.943 2 -12.109 -14.653 3 -11.093 -20.026	20 MIN 36 SI  RANGE 170-81/513 797.78167 770.42/931 832-19984 173.59617 170-42/931 20 MIN 44 S  **XANGE 1/51.2/8/52 177.86/69 1751-2/511	AZS/C A -54.4 9 -56.5 10 -58.2 81 -63.5 12 -63.5 12	SEC TO 312 N AZSUN 4 -82.7 4 -81.5 1 -83.9 9 -81.3 3 -83.2 9 -81.3 SFL TU 304 N AZSUN N AZSUN N AZSUN N -82.7 4 -82.4 9 -81.3	TAB NO  [MPACT . 648  AZA . 34.4 34.5 32.9  TAB NO  [MPACT . 249  AZA . 33.5 32.9  AZA . 34.3 33.5 32.9	ALT 659.16446  A. B.	87C -67.6  ATLAS PHOTO  LAT	NO 44 NO 44 NO 202 INCD PH 68.2 40 69.2 38 68.2 41 68.2 41 68.2 41 NO 4 NO 69.6 38 NO 69.6 38 NO 69.6 38 NO 69.6 38	.0 29.7 0 .8 .2434.620 .62 EMIS .7 29.8 .0 29.7 .0 33.9 .0 29.7 .1 .0 29.7 .1 .0 29.7 .1 .0 29.7 .1 .1 .2 .1 .2 .1 .2 .1 .2 .1 .2 .1 .2 .1 .2 .1 .2 .3 .4 .5 .6 .7 .6 .7 .7 .7 .8 .9 .9 .1 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9	POD SI  V 2-284  ALPHA 26-8 29-8 26-4 33-5 33-1 25-8 26-4  POD SI  V 2-290  ALPHA 26-8 29-8 26-8	68.20982 EQUENCE NO  PTH -69.238 11  SCALE 0. 52.81337 -52.22034 72.58777 70.69034 75.76116 66.8623C  EQUENCE NO  PTH -69.137 11  SCALE 0. 52.32193 50.90437	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 AZ 6-004 PT-PT 0-1 1-2 2-3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.945 -19.916 2 -12.142 -18.621 3 -11.100 -20.024 4 -11.001 -17.584 5 -13.277 -17.056 6 -13.273 -19.626 7 -11.100 -20.024  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.932 -19.943 2 -12.109 -14.654	20 MIN 36 SI  RANGE 170.8/513 797.78167 770.42931 20 MIN 44 S  **ANGE 1751.70852 177.86569 1751.20852 177.86569 1751.20852 177.86569 1785.98035	AZS/C A -54.4 9 -56.5 10 -58.2 8 -63.5 10 -55.2 12 -49.1 10 -58.2 8 EC 551 MS AZS/C A -54.5 9 -56.5 10 -58.2 8 -56.5 10 -58.2 8	SEC TO 312  N AZSUN 4 -482.N 4 -81.3 4 -81.5 1 -83.9 3 -83.2 9 -81.3  SEL TU 304 N AZSUN 4 -82.7 4 -82.4 9 -81.3 0 -83.9 0 -83.9 0 -83.9 0 -83.9 0 -83.9 0 -83.9 0 -83.9 0 -83.9 0 -83.9 0 -83.9 0 -83.9 0 -83.9	TAB NO  [MPACT . 648  AZ.A. 34.4 34.5 32.9  TAB NO  [MPACT . 249  AZ.A. 33.5 32.9 30.4 34.1 35.6 32.9 30.6 32.9	ALT 659.16446  A. B.	87C -67.6  ATLAS PHOTO  LAT	NO 49 NO 202 INCD PH 68.2 40 68.2 41 70.5 36 68.2 41 NO 4 NO 4 NO 4 NO 69.6 38 69.6 38 69.6 38 69.6 38 69.6 38 69.6 38 69.6 38	.0 29.7  R 2434.620  AZ EMIS .7 29.8 .17 34.6 .0 29.7 .14 39.7 .0 33.9 .14 39.7 .1 R 2416.663  AAZ EMIS .10 29.7 .1 R 2436.663	POD SI  V 2-284  ALPHA 26-8 29-8 33-15 33-1 25-8 26-4  POD S  V 2-290  ALPHA 26-8 29-8 26-4 33-5 33-5 33-5	68.20982 EQUENCE NO  PTH -69.238 11  SCALE 0. 52.81337 -72.58777 70.69034 75.76116 66.8623C  EQUENCE NO  PTH -69.137 11  SCALE 0. 52.32193 50.40437 70.76056 68.89221	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 ) 617 AZ 6-004 PT-PT 0-1 1-2 2-3 3-4 4-5
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,916 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 5 -13,277 -17,056 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 HK  TRAJECTORY PATA  PHOTO DATA  PT LAT LON 1 -10,932 -19,943 2 -12,109 -18,654 3 -11,091 -20,020 4 -10,997 -17,642 5 -13,215 -17,129 6 -13,215 -17,129 6 -13,215 -17,129	20 MIN 36 SI  RANGE 170.8/513 197.78167 170.42931 506.10734 193.59677 170.42931 20 MIN 44 S  **ANGE 751.70852 177.86569 151.22511 185.98035 **11.34003 173.76029	AZS/C AZ -54.4 9, -56.5 10, -58.2 10, -59.2 12, -63.5 10, -59.2 12, -63.5 10, -58.2 8, EC 551 MS AZS/C A. -54.5 9, -54.5 9, -54.5 9, -54.5 9, -54.5 9, -54.5 10, -53.5 10, -53.5 10, -54.5 9, -54.5	SEC TO 312  N AZSUN 4 -82.7 4 -82.4 9 -81.5 1 -83.9 3 -83.2 9 -81.3  SEL TU 304 N A/SUN 4 -82.7 6 -81.3 6 -81.3	TAB NO  [MPACT . 648  AZA . 34.4  35.5  32.9  30.4  34.1  36.6  32.9  TAB NO  [MPACT . 249  AZA . 34.3  3.5  32.9  30.5  34.1  36.5	ALT 659.16446 A. B. B. C.	87C -87.6  ATLAS PHOTO  LAT LC -7.C56 -28.  1/A AZPHAZ 822 -91.4 87C -87.6 831 -87.4 87C -87.6  ATLAS PHOTO  LAT -7.127 -2E. 3/A AZPHAZ 822 -91.4 823 -90.4 87C -87.6	NO 40 NO 56 NO 68.2 41 NO 56 NO 68.8 41 NO 40 NO 56 NO 68.2 41 NO 56 NO 68.2 41 NO 56 NO 68.8 41 NO 56 NO 68.8 84 NO 56 NO 68.8 84 NO 68.8 84 NO 68.8 N	.0 29.7 0 R 2434.620 AZ EMIS .7 29.8 .7 39.6 .0 29.7 .0 33.9 .0 29.7 .1 8 2416.663 AZ EMIS .7 34.6 .1 29.7 .1 34.6 .2 29.7 .1 8 .1 24.8 .1 29.7 .1 34.6 .1 29.7 .1 34.6 .1 29.7 .1 34.6 .1 34.6	POD SI 2 - 284 AL PHA 26 - 8 29 - 8 26 - 4 33 - 5 33 - 1 25 - 8 26 - 4 POD Si V 2 - 290 AL PHA 26 - 8 29 - 8 20 - 8 2	68.20982 EQUENCE NO  PTH -69.238 11:  SCALE 0. 52.81337- 52.22034 72.558777 70.69034 75.76116 66.8623C  EQUENCE NO  PTH -69.137 11  SCALE 0. 52.32193 50.490437 70.76056 68,89221 73.83546	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 0-17 AZ 6-004 PT-PT 0-1 1-2 2-3 3-4 5-5 5-6 5-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,416 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 5 -13,277 -17,056 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 1 -10,932 -19,943 2 -12,109 -14,654 3 -11,091 -20,020 4 -10,997 -17,642 5 -13,275 -17,249	20 MIN 36 SI  RANGE 170.8/513 797.78167 770.42931 20 MIN 44 S  **ANGE 1751.70852 177.86569 1751.20852 177.86569 1751.20852 177.86569 1785.98035	AZS/C AZ -54.4 9, -56.5 10, -58.2 10, -59.2 12, -63.5 10, -59.2 12, -63.5 10, -58.2 8, EC 551 MS AZS/C A. -54.5 9, -54.5 9, -54.5 9, -54.5 9, -54.5 9, -54.5 10, -53.5 10, -53.5 10, -54.5 9, -54.5	SEC TO 312  N AZSUN 4 -82.7 4 -82.4 9 -81.5 1 -83.9 3 -83.2 9 -81.3  SEL TU 304 N A/SUN 4 -82.7 6 -81.3 6 -81.3	TAB NO  IMPACT .048  AZA .34.4 .35.5 .32.9 .30.4 .34.1 .36.6 .32.9  TAB NO  IMPACT .249  AZA .34.3 .34.3 .35.3 .36.5 .32.9 .30.5 .34.1 .36.5 .32.9	ALT 659.16446  AL 16.03795 0.16.02248 0.15.44824 0.16.88622 C.15.90864 0.15.44824 0.15.62077 0.15.06316 0.15.75532 0.16.26855 0.15.06316 0.15.0	87C -67.6  ATLAS PHOTO  LAT   CC   -7.C56   -28.  3/A AZPHAZ   822   -91.4   823   -90.4   871	NO 40 NO 56	0 29.7 0 R 2434.620 AZ EMIS 1.7 29.8 1.7 34.6 1.0 29.7 1.4 35.9 1.0 33.9 1.0 29.7 1.1 R 2416.663 431.8 EMIS 1.1 E	POD SI 2 - 284 ALPHA 26 - 8 29 - 8 26 - 4 33 - 5 33 - 1 25 - 8 26 - 4 POD Si V 2 - 290 ALPHA 26 - 8 29 - 8 29 - 8 29 - 8 29 - 8 20 - 8 20 - 8 20 - 8 20 - 8 20 - 9 20	68.20982 EQUENCE NO  PTH -69.238 11  SCALE 0. 52.81337 52.22034 72.558777 70.69034 75.76116 66.86230  EQUENCE NO  PTH -69.137 11  SCALE 0. 52.32193 50.90437 70.76056 68.89221 73.83546 65.17454	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 4-5 6-07 AZ 6-004 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.945 -19.916 2 -12.142 -18.621 3 -11.100 -20.024 4 -11.001 -17.584 5 -13.277 -17.056 6 -13.273 -16.626 7 -11.100 -20.024  JULY 31,1964 13 HR  IRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.932 -19.943 2 -12.109 -18.654 3 -11.093 -20.020 4 -10.997 -17.642 5 -13.215 -17.129 6 -13.211 -19.633 7 -11.093 -20.020	20 MIN 36 SI  RANGE 170.87513 197.78167 170.42931 006.10734 432.19984 172.19984 20 MIN 44 S  RANGE 151.70852 177.86969 151.22511 185.98035 173.76029 151.72511	AZS/C AA -54.4 9, -56.5 10, -58.2 12, -69.1 12, -69.1 12, -69.1 10, -58.2 8, EC 551 MS AZS/C AA, -54.5 9, -54.5 9, -55.2 12, -69.1 10, -69.1 10, -69.1 10, -69.2 8, -69.2 10, -69.2	SEC TO 312  N AZSUM 4 -82.7 4 -82.4 9 -81.5 3 -83.9 3 -83.2 9 -81.3  SEL TO 304 N AZSUM 4 -82.7 4 -82.7 4 -82.7 5 -81.3	TAB NO  IMPACT .648  AZA .34.4 .33.5 .12.9  TAB NO  IMPACT .249  AZA .34.3 .33.5 .32.9  TAB NO  TAB NO  TAB NO	ALT 659.16446  A. B.	87C -67.6  ATLAS PHOTO  LAT	NO 4 NO 4 NO 4 NO 4 NO 202 INCD PH 68.2 40 68.2 41 70.5 3 68.8 41 68.2 41 NO 4 NO 56 INCC PH 68.2 40 68.2 41 NO 4 NO 4 NO 4	.0 29.7  R 2434.620  AZ EMIS .7 29.8 .0 29.7 .1 39.9 .0 29.7 .1 R 2416.663  AZ EMIS .0 29.7 .1 R 2416.663	POD SI  V 2.284  ALPHA 26.8 29.8 26.4 33.5 33.1 25.8 26.4  POD Si  V 2.290  ALPHA 26.8 29.8 29.8 20.4 POD Si  POD Si	68.20982 EQUENCE NO  PTH  -69.238 11  SCALE  0. 52.81337 72.58777 70.69034 75.76116 66.8623C  EQUENCE NO  PTH  -69.137 11  SCALE  0. 52.32193 50.90437 70.76056 68.89221 73.83546 65.17454	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 0-12 2-3 3-3 4-5 5-6-7 0-12 2-3 3-3 4-5 5-6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,916 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 5 -13,277 -17,056 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 EK  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 1 -10,932 -19,943 2 -12,109 -14,643 3 -11,094 -20,020 4 -10,997 -17,642 5 -13,215 -17,129 6 -13,211 -19,633 7 -11,094 -20,020	20 MIN 36 SI  RANGE 170.87513 197.78167 170.42931 006.10734 432.19984 172.19984 20 MIN 44 S  RANGE 151.70852 177.86969 151.22511 185.98035 173.76029 151.72511	AZS/C AA -54.4 9, -56.5 10, -58.2 12, -69.1 12, -69.1 12, -69.1 10, -58.2 8, EC 551 MS AZS/C AA, -54.5 9, -54.5 9, -55.2 12, -69.1 10, -69.1 10, -69.1 10, -69.2 8, -69.2 10, -69.2	SEC TO 312  N A22.7 4 -82.7 4 -82.4 9 -81.3 4 -81.9 3 -83.2 9 -81.3  SFL TU 304 N A-82.7 4 -82.4 9 -81.3  SFL TU 304 N A-82.7 6 -83.2 9 -81.3	TAB NO  IMPACT .048  AZA .34.4 .35.5 .32.9 .30.4 .34.1 .36.6 .32.9  TAB NO  IMPACT .249  AZA .34.3 .34.3 .35.3 .36.5 .32.9 .30.5 .34.1 .36.5 .32.9	ALT 659.16446  AL 7 659.16446  A. 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	87C -67.6  ATLAS PHOTO  LAT	NO 4	.0 29.7  0  R 2434.620  AZ EMIS .7 29.8 .17 39.8 .0 29.7 .1 34.6 .0 29.7 .1 R 2416.663  AZ EMIS .1 29.7 .1 34.6 .1 29.7 .1 34.6 .1 29.7 .1 34.6 .1 29.7 .1 39.9 .1 39.9 .1 29.7	POD SI 2 - 284 AL PHA 2 - 6 - 8 2 - 9 - 1 2 - 5 - 8 2 - 4 POD SI V 2 - 2 - 90 AL PHA 2 - 6 - 8 2 - 9 - 8 2 - 6 - 4 3 - 5 3 - 5 3 - 7 2 - 8 2 - 9 - 9 - 8 2 - 9 - 8 2 - 9 - 9 - 8 2 - 9 - 9 - 8 2 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 2 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -	68.20982 EQUENCE NO  PTH -69.238 11  SCALE 0. 52.81337 52.22034 72.558777 70.69034 75.76116 66.86230  EQUENCE NO  PTH -69.137 11  SCALE 0. 52.32193 50.90437 70.76056 68.89221 73.83546 65.17454	6-7 607 AZ 6-025 PT-PT 0-1 -1-2-3 3-4-5 5-6-7 0-617 AZ 6-004 PT-PT 1-2-2-3 3-4-4-5 5-6-7 0-617 AZ 6-004
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT 10N 1 -10.945 -19.916 2 -12.142 -18.621 3 -11.100 -20.024 4 -11.001 -17.596 6 -13.273 -19.626 7 -11.100 -20.024  JULY 31,1964 13 HR  IRAJECTORY DATA  PHOTO DATA  PT LAT LCN 1 -10.932 -19.943 2 -12.109 -18.653 3 -11.093 -20.020 4 -10.997 -17.642 5 -13.215 -17.129 6 -13.211 -19.633 7 -11.093 -20.020  JULY 31,1964 13 HR  TRAJECTORY DATA	20 MIN 36 SI  RANGL 170.81/513 197.781.67 170.42/931 193.596/17 170.42/931 20 MIN 44 S  ***XANGL 151.70/852 177.86/96 151.22/51 178.98035 173.76029 151.22/51 20 MIN 49 S	AZS/C AA -54.4 9, -56.5 10, -58.2 8, -69.1 12, -49.1 12, -49.1 10, -58.2 8, EC 551 MS AZS/C A, -54.5 9, -56.5 10, -58.2 8, EC 551 MS AZS/C A, -54.5 9, -56.5 10, -58.2 8, EC 551 MS	SEC TO 312  N A22.7 4 -82.7 4 -82.4 9 -81.3 4 -81.9 3 -83.2 9 -81.3  SFL TU 304 N A-82.7 4 -82.4 9 -81.3  SFL TU 304 N A-82.7 6 -83.2 9 -81.3	TAB NO  [MPACT 648  AZA 34.4 33.5 32.9  30.4 34.1 36.6 32.9  TAB NO  [MPACT 249  AZA 34.3 33.5 32.9 50.4 52.9  TAB NO  [MPACT 249  TAB NO  [MPACT 249  TAB NO  TAB NO	ALT 659.16446  16.03795 0.16.02248 0.15.44824 0.16.88682 C.15.90864 0.15.44824 0.15.44824 0.15.620749  ALT 681.20749  ALT 681.20749  15.63768 0.15.62277 0.15.6316 0.15.6316 0.15.0316 0.1	87C -67.6  ATLAS PHOTO  LAT	NO 4	.0 29.7  R 2434.620  AZ EMIS .7 29.8 .17 34.6 .0 29.7 .4 39.7 .0 33.9 .0 29.7  1  R 2416.6663  AZ EMIS .10 29.7 .10 33.9 .10 29.7 .10 33.9 .10 29.7 .10 33.9	POD SI V 2-284 ALPHA 26-8 29-8 33-1 25-8 26-4 POD SI V 2-290 ALPHA 26-8 29-8 26-8 29-8 26-9 ALPHA 26-8 29-8 26-8 26-8 26-9 ALPHA 26-8 26-9 ALPHA 26-8 26-8 26-8 26-8 26-9 ALPHA 26-8	68.20982 EQUENCE NO  PTH  -69.238 11  SCALE  0.  52.81337  52.22034  72.58777  70.69034  75.76116  66.86230  EQUENCE NO  PTH  -69.137 11  SCALE  0.  52.32193  50.90437  70.76056  68.89221  73.83546  65.17454  EQUENCE NO	6-7 607 AZ 6-025 PT-PT 0-1 1-2-2 3-4 6-07 9 617 AZ 6-004 PT-PT 11-2 2-3 3-4 4-5 6-7 9 623 AZ 15-91
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10,945 -19,916 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 EK  IRAJECTORY DATA PT LAT LON 1 -10,932 -19,943 2 -12,109 -18,693 3 -11,093 -20,020 4 -10,997 -17,642 5 -13,213 -19,633 7 -11,093 -20,020 JULY 31,1964 13 PR  TRAJECTORY DATA PT LAT LON 2 -12,109 -18,693 7 -11,093 -20,020 JULY 31,1964 13 PR  TRAJECTORY DATA PT LAT LON 1 -10,997 -17,642 5 -13,215 -17,129 6 -13,215 -17,129 6 -13,215 -17,129 6 -13,215 -17,129 7 -11,093 -20,020  JULY 31,1964 13 PR  TRAJECTORY DATA PT LAT LON	20 MIN 36 SI  RANGE 170.87513 197.78167 170.42931 20.41934 432.19984 171.42931 20.41934 20.41	AZS/C A/ -54.4 9, -56.5 10, -58.2 8, -63.5 10, -58.2 8, EC 551 MS  AZS/C A/ -54.5 9, -63.5 10, -58.2 8, EC 551 MS	SEC TO 312  N A/22.7  4 -82.4  9 -81.3  4 -81.5  1 -83.9  -81.3  SFL TU 304  N A/SUN 4 -82.7  4 -81.5  0 -83.9  SEC TO 329  IN A/SUN 4  SEC TO 299	TAB NO  IMPACT .648  AZA .34.4 .33.5 .32.9  30.4 .34.1 .36.6 .32.9  TAB NO  IMPACT .249  AZA .34.3 .35.5 .32.9 .30.6 .32.9 .30.6 .30	ALT 659.16446  A. B. B. C.	87C -67.6  ATLAS PHOTO  LAT	NO 4  NO 4  NO 4  NO 202  INCD PH 68.2 40668.2 4170.5 3671.3 3668.8 41688.2 4170.5 3688.2 4170.5 3688.2 4170.5	.0 29.7  R 2434.620  AZ EMIS .7 29.8 .17 34.6 .0 29.7 .1 33.9 .1 33.9 .1 29.7  1 R 2416.663  AAZ EMIS .10 29.7 .1 35.9 .1 35.9 .1 35.9 .1 35.9 .1 35.9 .1 35.9 .1 35.9 .1 35.9 .1 4 39.7 .1 35.9 .1 22 .1 4 39.7 .1 35.9 .1 4 39.6 .1 29.7 .1 4 39.7 .1 4 39.7 .1 4 39.8 .1 2 2405.87 .1 2405.87 .1 2405.87	POD SI  V 2-284  ALPHA 26-8 29-8 26-4 33-1 25-8 26-4  POD S  V 2-290  ALPHA 26-8 29-8 26-4 33-5 33-0 25-8 26-4  POD S	68.20982 EQUENCE NO  PTH  -69.238 11  SCALE  0.  52.81337 72.58177 70.69034 75.76116 66.8623C  EQUENCE NO  PTH  -69.137 11  SCALE  0.  52.32193 50.90437 70.76056 68.99221 73.83546 65.17454  EQUENCE NO	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 5-5-6 6-7 0-11 1-2 2-3 3-4 4-5 5-6 0-7 0-12 1-2 2-3 3-4 5-5-6 0-7 0-12 1-2 2-3 3-4 1-5 5-6 0-7 0-12 1-2 2-3 3-4 1-5 5-6 0-7 0-12 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.945 -19.916 2 -12.142 -18.621 3 -11.100 -20.024 4 -11.001 -17.594 5 -13.277 -17.056 6 -13.273 -19.626 7 -11.100 -20.024  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.932 -19.943 2 -12.109 -18.694 3 -11.093 -20.020  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON TRAJECTORY DATA PT LAT LON TRAJECTORY DATA PT LAT LON TRAJECTORY DATA PHOTO DATA PT LAT LON	20 MIN 36 SI  RANGE //10.8/513 /97.78167 /70.42931 /06.10734 /93.59677 /70.42931 /07.4	AZS/C	SEC TO 312  N AZSUN 4 -82.7 4 -82.4 9 -81.3 4 -81.9 304 N AZSUN 304 N AZSUN 4 -82.7 6 -81.3  SEC TO 304 N AZSUN 5 -81.3  SEC TO 304 N AZSUN 7 -81.3	TAB NO  [MPACT . 648  AZA . 34.4  33.5  32.9  30.4  34.1  36.6  32.9  TAB NO  [MPACT . 249  AZA . 34.5  33.5  32.9  TAB NO  IMPACT . 249  TAB NO  AZA . 34.1  36.5  32.9  TAB NO	ALT 659.16446  A. B.	87C -67.6  ATLAS PHOTO  LAT   LC -7.C56 -28.  3/A AZPHAZ .822 -91.4 .87C -87.6 .811 -87.6 .87C -87.6  ATLAS PHOTO  LAT   -2287C -87.6  ATLAS PHOTO  LAT   -2287C -87.6  ATLAS PHOTO  LAT   -57.4 .822 -91.4 .823 -96.4 .823 -96.4 .823 -96.4 .824 -96.4 .824 -96.4 .824 -96.4 .824 -96.4 .824 -96.4 .87C -87.6	NO 4  NO 4  NO 4  NO 202  INCD PH 68.2 4068.2 417.0.5 3 68.2 417.0.5 3 68.2 417.0.5 3 68.2 417.0.5 3 68.2 417.0.5 3 68.2 418.0 88.2	.0 29.7  0  R 2434.620  AZ EMIS .7 29.8 .17 34.6 .0 29.7 .1 33.9 .1 33.9 .1 33.9 .1 35.9 .1 35.9 .1 35.9 .1 35.9 .1 35.9 .1 29.7 .1 R 2416.663 .1 29.7 .1 22 .1 R 2405.87 .1 33.9 .1 33.9 .1 35.9 .1 3	POD SI  V 2.284  ALPHA 26.8 29.8 26.4 33.5 33.1 25.8 26.4  POD Si  V 2.290  ALPHA 26.8 29.8 26.4  POD S  V 2.294  ALPHA 26.7 29.8  ALPHA 26.7 29.8	68.20982 EQUENCE NO  PTH  -69.238 11  SCALE  0. 52.81337 -52.22034 75.76116 66.8623C  EQUENCE NO  -69.137 11  SCALE  0. 52.32193 50.40437 70.76056 68.89221 73.83546 65.17454 69.075 11  SCALE 0. 52.07902 50.11921	6-7 607 82 6-025 9T-PT 0-1 1-2 2-3 3-4-5 5-6-7 0-11 1-2 2-3 3-4-5 5-6-7 0-12 1-2-2 3-3 4-5 5-6-7 0-1 1-2-2 3-3 3-4-4 5-6-7 1-2-2 3-3 3-4-4 5-6-7 1-2-2 3-3 3-4-4 5-6-7 1-2-2 3-3 3-4-4 5-6-7 1-2-2 1-2-2 3-3 3-4-5 5-6-7 1-2-2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT 10N 1 -10,945 -19,916 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,594 6 -13,277 -17,056 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 HR  TRAJECTORY PATA  PHOTO DATA  PT LAT LCN 1 -10,932 -19,943 2 -12,109 -14,693 3 -11,093 -20,020  JULY 31,1964 13 PR TRAJECTORY DATA  PT LAT LCN 1 -10,932 -19,943 2 -12,109 -14,693 7 -11,093 -20,020  JULY 31,1964 13 PR TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 1 -10,924 -19,960 2 -12,089 -18,669 3 -11,069 -20,016 4 -10,994 -17,673	20 MIN 36 SI  RANGE 170.87513 197.78167 170.42931 506.10734 193.59677 170.42931 20 MIN 44 S  XANGE 751.20452 177.86369 173.7029 173.7029 173.7029 173.7029 173.7029 173.7029 173.7029 173.7029	AZS/C A/ -54.4 9, -56.5 10, -58.2 12, -63.5 10, -55.2 12, -49.1 10, -58.2 8, -63.5 10, -58.2 8, -54.5 9, -56.5 10, -58.2 8  EC 590 MS  AZS/C A -54.5 9, -56.6 10, -58.2 8	SEC TO 312  N AZSUN 4 -82.4 4 -81.5 1 -83.9 -81.3  SFL TO 304  N AZSUN 7 4 -82.4 4 -81.5 1 -83.9 -81.3 2 -81.3	TAB NO  [MPACT . 648  AZA . 34.4  33.5  32.9  30.4  34.1  36.6  32.9  TAB NO  [MPACT . 249  AZA . 34.3  33.5  32.9  TAB NO  IMPACT . 249  AZA . 34.3  33.5  32.9  TAB NO	ALT 659.16446  A	87C -67.6  ATLAS PHOTO  LAT   CC   -7.C56   -28.  3/A AZPHAZ   822   -91.4  87C -87.6  8811   -87.4  871   -93.1  871   -87.6  ATLAS PHOTO  LAT   CC   -7.127   -28.  872   -91.4  873   -92.1  874   AZPHAZ   -93.4  875   -87.6  ATLAS PHOTO  LAT   CC   -7.127   -28.  874   AZPHAZ   -872   -91.4  875   -87.6  ATLAS PHOTO  LAT   CC   -87.6  AZPHAZ   -82.9  LAT   -7.169   -27.  B/A   AZPHAZ   -82.9  LAT   -7.169   -27.  LAT   -7.169   -27.  B/A   AZPHAZ   -82.9  LAT   -7.169   -27.  B/A   AZPHAZ   -82.9  LAT   -7.169   -27.  LAT   -7.169	NO 4  NO 6  NO 4  NO 6  NO 4  NO 7  NO 8  NO 9	.0 29.7  0  R 2434.620  AZ EMIS .7 29.8 .17 39.8 .0 29.7 .1 34.6 .0 29.7 .1 2416.663  AZ EMIS .17 34.6 .10 29.7 .10 33.9 .10 29.7 .10 33.9 .10 29.7 .10 33.9 .10 29.7 .10 33.9 .10 29.7 .10 33.9 .10 29.7 .10 33.9 .10 29.7 .10 33.9 .10 29.7	POD SI  2 - 284  ALPHA 26 - 8 29 - 8 26 - 4 33 - 5 33 - 1 25 - 8 26 - 4  POD S   V 2 - 290  ALPHA 26 - 8 29 - 8 26 - 4 33 - 5 33 - 6 26 - 6  POD S  V 2 - 290  ALPHA 26 - 7 29 - 8 20 - 7 20 - 8 20 - 7 20 - 8 20 -	68.20982 EQUENCE NO  PTH  -69.238 11  SCALE  0.  52.81337  52.22034  72.58777  70.69034  75.76116  66.86230  EQUENCE NO  PTH  -69.137 11  SCALE  0.  52.32193  50.90437  70.76056  68.89221  73.83546  65.17454  EQUENCE NO	6-7 607  AZ 6-025  PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 0-617  AZ 6-004  AZ 6-004  PT-PT 1-2 2-3 3-4 5-6 6-7 0-1 1-2 2-3 3-4 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10,945 -19,416 2 -12,142 -18,621 3 -11,100 -20,024 4 -11,001 -17,544 5 -13,277 -17,056 6 -13,273 -19,626 7 -11,100 -20,024  JULY 31,1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10,932 -19,943 2 -12,109 -14,64,4 3 -11,093 -20,020 4 -10,997 -17,642 5 -13,215 -17,129 6 -13,215 -17,129 6 -13,215 -17,129 6 -13,211 -19,633 7 -11,093 -20,020  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 1 -10,924 -19,960 2 -12,089 -18,669 3 -11,092 -19,960 2 -12,089 -18,669	20 MIN 36 SI  RANGE 170.87513 197.78167 170.42931 606.10734 832.19984 832.19984 20 MIN 44 S  VANGE 151.70852 177.86969 151.2251 178.6969 151.2251 178.76029	AZS/C A/ -54.4 9, -54.5 10, -54.5 10, -54.5 10, -54.5 10, -55.2 12, -49.1 10, -58.2 8, EC 551 MS AZS/C A, -54.5 9, -56.5 10, -58.2 8, EC 590 MS AZS/C A B, -54.5 9, -56.5 10, -58.2 8, EC 590 MS	SEC TO 312  N AZSUN 14 -82.7 4 -82.4 9 -81.5 3 -83.2 9 -81.3  SFL TO 304 N AZSUN 14 -82.7 4 -82.7 5 -81.3  SEC TO 202 9 -81.3  SEC TO 202 9 -81.3	TAB NO  IMPACT .048  AZA .34.4 .35.5 .32.9 .30.4 .24.1 .46.6 .32.9  TAB NO  IMPACT .249  AZA .33.5 .32.9 .30.5 .32.9  TAB NO  IMPACT .249  AZA .33.5 .32.9  TAB NO  IMPACT .209  AZA .33.6 .34.1 .36.4 .36.8	ALT 659.16446  A. 8  16.03795 0. 16.02248 0. 15.44824 C. 16.15876 0. 15.90864 0. 15.44824 C.  41  ALT 661.20749  A. 8  15.63768 0. 15.62277 0. 15.06316 0. 42  ALT 670.41425  A. 11 670.41425  A. 15.38369 0. 14.83224 0. 15.38369 0. 16.1867 0. 15.38369 0. 16.51864 0.	87C -67.6  ATLAS PHOTO  LAT   LC -7.C56 -28.  3/A AZPHAZ .822 -91.4 .87C -87.6 .811 -87.6 .87C -87.6  ATLAS PHOTO  LAT   -2287C -87.6  ATLAS PHOTO  LAT   -2287C -87.6  ATLAS PHOTO  LAT   -57.4 .822 -91.4 .823 -96.4 .823 -96.4 .823 -96.4 .824 -96.4 .824 -96.4 .824 -96.4 .824 -96.4 .824 -96.4 .87C -87.6	NO 4  NO 68.2 41  NO 4  NO 69.6 38  68.2 41  NO 69.6 38  68.2 41  NO 70.5 36  NO 70.5 36  NO 70.5 36  NO 70.6 38  NO 8	.0 29.7  R 2434.620  AZ EMIS .7 29.8 .17 34.6 .0 29.7 .0 33.9 .0 29.7 .1  R 2410.663  AZ EMIS .0 29.7 .1  R 2410.663  AZ EMIS .0 29.7 .1  R 2405.87  AZ EMIS .0 29.7 .1  AZ EMIS .0 33.9 .1  AZ EMIS .0 29.7 .1  AZ EMIS .0 33.9 .1  AZ EMIS .0 32.9 .	POD SI  2 - 284  ALPHA 26 - 8 29 - 8 26 - 4 33 - 5 33 - 1 25 - 8 26 - 4  POD S   V 2 - 290  ALPHA 26 - 8 29 - 8 26 - 4  POD S  V 2 - 294  ALPHA 26 - 7 29 - 8 26 - 4  POD S  20 - 9 20 -	68.20982 EQUENCE NO  PTH  -69.238 11  SCALE  0. 52.81337 -52.22034 75.76116 66.8623C  EQUENCE NO  -69.137 11  SCALE  0. 52.32193 50.40437 70.76056 68.89221 73.83546 65.17454 69.075 11  SCALE 0. 52.07902 50.11921	6-7 607 AZ 6-025 PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 ) 617 AZ 6-004 PT-PT 1-2 2-3 3-4 5-5-6 6-7 ) 623 AZ 15-91 1-2 2-3 3-4 4-5 5-6 6-7 9-1 1-2 2-3 3-4 4-5 5-6 6-7 9-1 1-2 2-3 3-4 4-5 5-6 6-7 9-7 9-7 9-7 9-7 9-7 9-7 9-7 9

	20 MIN 56	SEC 310	MS		TAB NO	43	ATLAS PHOT	O NO	43	POD SE	QUENCE NO	631
TRAJECTORY DATA					IMPACT	AL T		ON	R	V		AZ
PHOTO DATA				292	490	656.00110	-7.227 -27	7.848	2391.456	2.300 -	68.992 11	5.973
PT LAT LCN 1 -10.914 -19.982	RANGE 723.59165	AZS/C	AZN 9.4	AZ SUN -82.8	AZA 34•2	A#	B/A AZPHAZ		PHAZ EMIS			PT-PT
2 -12.062 -18.691	749.98308	-56.6	10.3	-82.4	33.4	15.06269		69.5	38.6 34.5	26.7 29.8	0. 51.73445	0- 1 1- 2
3 -11.083 -20.009 4 -10.990 -17.717	724.31322 757.80604	-58.2 -63.5	8.9	-81.3 -81.5	32.8 30.5	14.52354	0.87C -87.6 0.812 -87.4	68.2	41.0 29.8 36.4 35.8	26.5	49.06961 68.21619	2- 3
5 -13.128 -17.225	762.15193				34.0		0.812 -87.4			32.9	66.38004	4-5
6 -13.125 -19.637 7 -11.083 -20.009	745.96993	-49.4	10.2	-83.2	36.3	14.95336	0.832 -93.1	68.7	41.0 33.8	25.9	71.15715	5- 6
7 -11.083 -20.009	724.31322	-58.2	8.9	-81.3	32.8	14.52354	0.870 -87.6	68.2	41.0 29.8		62.81220	
JULY 31,1964 13 HR					TAB NO	44	ATLAS PHOT	0 NO	44	POD SE	QUENCE NO	637
TRAJECTORY DATA				SEC TO 287	IMPACT	ALT 645.17426	LAT L -7.271 -27	CN 7.757	к 2380-630	V 2.304 -	PTH 68.930 11	AZ 5.960
PHOTO DATA PT LAT LON	RANGE	4.75.45	4.74.	AZSUN		Δ+	0.44 4.70v.4.7	11150				
1 -10.906 -19.998	711.72553	AZS/C -54.6		-82.8	AZA 34.2		B/A AZPHAZ C.823 -91.4	68.2	40.9 29.5	26.6	SCALE 0.	PT-PT 0- 1
2 -12.042 -18.71C 3 -11.079 -20.007	737.96838. 712.72109		8.9	-81.3		14.82139	0.824 -90.4	.69.5	38-6 34-5	29.7	51-43513	1-2
4 -10.987 -17.751	745.66341		10.4	-81.5	30.5	14.29110			41.0 29.8 36.4 35.8	26.5 33.4	48.27778	
5 -13.091 -17.268	769.57512	-55.3	11.9	-83.8	34.0	15.43110	0.774 -93.4	71.0	36.4 39.4	32.9	65.29848	4- 5
6 -13.08/ -19.641 7 -11.079 -20.00/	734.00163	-49.4 28.3	10.2	-83.2 -81.3	36.3 32.8	14.71346 14.29110			41.0 33.8	25.9 26.5	70.00016 61.79556	
					TAB NO	45	ATLAS PHOT		45		QUENCE NO	
JULY 31,1964 13 HR	21 MIN 9	SEC 749	MS									
TRAJECTORY DATA					IMPACT 050	ALT 627.09744	LAT 1 -7.345 -27	LCN 7•604	K 2362.553	2.311 -	PTH -68.824 11	AZ 5.937
PI LAT LCN	RANGE	AZS/C	AZN	AZSUN	AZA	A.	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
1 -10.893 -20.025 2 -12.009 -18.744	691.90846	-54.7	9.4	-82.8	34 • 2	14.43125	0.823 -91.4	68.1	41.0 29.5	26.5	0.	0- 1
3 -11.072 -20.005	717.85605 693.31989	-56.7 -58.3	10.3	-82.4 -81.3	33.3 32.8	14.41745			38.6 34.5 41.0 29.8	29.7 26.5	50.86642	2-3
4 -10.983 -17.811	725.3311C	-63.4	10.4	-81.5	30.5	14.53962	0.813 -87.3	70.3	36.4 35.7	33.3	65.27142	3- 4
5 -13.029 -17.343 6 -13.026 -19.650	748.51965 713.97387	-55.4 -49.5	11.9	-83.8 -83.3	33.9 . 36.2	15.00890	0.775 -93.4 0.833 -93.1	71.0 68.7	36.4 39.3 41.0 33.8	32.8 25.9	68.05900	_45 5- 6
7 ~11.072 -20.005	693.31989	-58.3	8.9	-81.3	32.8	13.90208			41.0 29.8	26.5	60.09523	6- 7
JULY 31,1964 13 HR	21 MIN 16	SEC 469	MS		TAB NO	46	ATLAS PHOT	0 NO	46		QUENCE NO	655
TRAJECTURY DATA					IPPACT	AL T		LCN	R .	v	PTH	ΑZ
PHOTO DATA				272	.331	612.60648	-7 466 -3					
PT LAT LCN	RANGE						-1.405 -2	7.480	2348.062	2.316 -	-68.739 11	5.919
1 -10.883 -20.047		AZS/C		AZSUN	AZA	Δ.	B/A AZPHAZ	INCE	2348.062 PHAZ ,EMIS	2.316 - ALPHA	-68.739 11 Scale	PT-PT
	676.01764	-54.7	9.4	-82.8	34.1	14.10691	B/A AZPHAZ C.824 -91.4	INCE 68.1	2348.062 PHAZ ,EMIS 41.0 29.4	2.316 - ALPHA 26.5	SCALE 0.	PT-PT 0- 1
2 -11.982 -18.772 3 -11.067 -20.004	676.01764 701.72111 677.75399	-54.7 -56.7 -58.3	9.4 10.3 8.9	-82.8 -82.4 -81.3	34.1 33.3 32.7	14.10691 14.09340 13.58996	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.87C -87.6	INCE 68.1 69.5 68.2	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8	2.316 - ALPHA 26.5	SCALE 0.	PT-PT 0- 1 1- 2 2- 3
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860	676.01764 701.72111 677.75399 709.02075	-54.7 -56.7 -58.3 -63.4	9.4 10.3 8.9 10.3	-82.8 -82.4 -81.3 -81.4	34.1 33.3 32.7 30.5	14.10691 14.09340 13.58996 14.21268	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.87C -87.6 C.814 -87.3	1NCE 68.1 69.5 68.2 70.3	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7	2.316 - ALPHA 26.5 29.7 26.5 33.3	SCALE 0. 50.39621 45.88635 63.79233	PT-PT 0- 1 1- 2 2- 3 3- 4
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657	676.01764 701.72111 677.75399	-54.7 -56.7 -58.3	9.4 10.3 8.9	-82.8 -82.4 -81.3	34.1 33.3 32.7	14.10691 14.09340 13.58996	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.87C -87.6 C.814 -87.3 C.776 -93.4	1NCE 68.1 69.5 68.2 70.3 70.9	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3	2.316 - ALPHA 26.5 29.7 26.5	SCALE 0. 50.39621 45.88635 63.79233 62.03893	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404	676.01764 701.72111 677.75399 709.02075 731.63224	-54.7 -56.7 -58.3 -63.4 -55.4	9.4 10.3 8.9 10.3 11.8	-82.8 -82.4 -81.3 -81.4 -83.8	34.1 33.3 32.7 30.5 33.9	14.10691 14.09340 13.58996 14.21268 14.67028	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.814 -87.6 C.814 -87.3 C.776 -93.4 C.833 -93.1	1NCE 68.1 69.5 68.2 70.3 70.9 68.7	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8	SCALE 0. 50.39621 45.88635 63.79233	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399	-54.7 -56.7 -58.3 -63.4 -55.4 -49.6 -58.3	9.4 10.3 8.9 10.3 11.8 10.1 8.9	-82.8 -82.4 -81.3 -81.4 -83.8 -83.3 -81.3	34.1 33.3 32.7 30.5 33.9 36.1 32.7	14.10691 14.09340 13.58996 14.21268 14.67028 13.98995	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.814 -87.6 C.814 -87.3 C.776 -93.4 C.833 -93.1	1NCE 68-1 69-5 68-2 70-3 70-9 68-7 68-2	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3 41.0 33.7	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5	SCALE 0. 50.39621 45.88635 63.79233 62.03893 66.50379	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399	-54.7 -56.7 -58.3 -63.4 -55.4 -49.6 -58.3	9.4 10.3 8.9 10.3 11.8 10.1 8.9	-82.8 -82.4 -81.3 -81.4 -83.8 -83.3 -81.3	34.1 33.3 32.7 30.5 33.9 36.1 32.7 TAB NO	14.10691 14.09340 13.58996 14.21268 14.67028 13.98995 13.58996	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.87C -87.6 C.814 -87.3 C.77c -93.4 C.833 -93.1 C.87C -87.6 ATLAS PHOT	INCE 68-1 69-5 68-2 70-9 68-7 68-2	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3 41.0 33.7 41.0 29.8	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5 POD SE	SCALE 0. 50.39621 45.88635 63.79233 62.03893 66.50379 58.73179 QUENCE NO	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  TRAJECTORY DATA PHOTO DATA	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399	-54.7 -56.7 -58.4 -55.4 -49.6 -58.3 SEC 188	9.4 10.3 8.9 10.3 11.8 10.1 8.9	-82.8 -82.4 -81.3 -81.4 -83.8 -83.3 -81.3	34.1 33.3 32.7 30.5 33.9 36.1 32.7 TAB NO	14.10691 14.09340 13.58996 14.21268 14.67028 13.98995 13.58996 47 ALT 598.08693	B/A AZPHAZ C.824 -91.4 0.825 -90.4 0.87C -87.6 C.814 -87.3 C.77c -93.4 0.833 -93.1 0.87C -87.6 ATLAS PHOT	INCE 68-1 69-5 68-2 70-3 70-9 68-7 68-2 TO NO	2348.062 PHAZ LEMIS 41.0 29.4 41.0 29.4 41.0 29.8 36.4 39.3 41.0 33.7 41.0 29.8	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5 POD SE	SCALE 0. 39621 45.88635 63.79233 62.03893 66.50379 58.73179 QUENCE NO	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 1 663
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  JULY 21,1224 13 HD  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399	-54.7 -56.7 -56.3 -63.4 -55.4 -49.6 -38.3 SEC 188	9.4 10.3 8.9 10.3 11.8 10.1 8.9	-82.8 -82.4 -81.3 -81.4 -83.8 -83.3 -81.3	34.1 33.3 32.7 30.5 33.9 36.1 32.7 TAB NO	14.10691 14.09340 13.58996 14.21268 14.67028 12.98996 47 ALT 598.08699	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.87C -87.6 C.814 -87.3 C.77c -93.4 C.833 -93.1 C.87C -87.6 ATLAS PHOT	1NCC 68-1 69-5 68-2 70-3 70-9 68-7 68-2 O NO	2348.062 PHAZ EMIS 41.0 29.4 41.0 29.8 38.6 34.4 41.0 29.8 36.4 39.3 41.0 33.7 41.0 29.8  47  2333.544 PHAZ EMIS	2.316 ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5  POD SE	SCALE 0. 30.39621 45.88635 63.79233 66.50379 58.73179 QUENCE NO	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 663 A7 5-900
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  UCLT 51,1021 13 HD  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 1 -10.873 -20.008 2 -11.955 -18.800	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399	-54.7 -56.7 -58.3 -63.4 -55.4 -49.6 -38.3 SEC 168	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS	-82.8 -82.4 -81.3 -83.3 -81.3 -83.3 -81.3 SEC TC 265 AZSUN -82.8 -82.4	34.1 33.3 32.7 30.5 33.9 36.1 32.7 TAB NO IMPACT.611 AZA 34.1 33.3	14.10691 14.09340 13.58996 14.21268 14.67028 12.98955 13.58996 47 ALT 598.08691 A. 13.78183 13.76861	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.816 -87.6 C.814 -87.3 C.77c -93.4 C.832 -93.1 C.87C -87.6  ATLAS PHOT  LAT C.7-465 -2 B/A AZPHAZ C.824 -91.3 C.825 -9C.4	1NCE 68-1 69-5 68-2 70-3 70-9 68-7 68-2 O NO	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4	2.316 ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5  POD SE	SCALE 0. 30.39621 45.88635 63.79233 62.03893 66.50379 58.73179 QUENCE NO  DTH 68.653 11  SCALE 0. 49.91809	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 663 A7 5.900 PT-PT 0-1 1-2
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.473 -20.068 2 -11.955 -18.800 3 -11.061 -20.003	676.01764 701.72111 677.75399 709.02075 731.53224 697.90721 577.75399	-54.7 -56.7 -58.3 -63.4 -55.4 -55.4 -58.3 SEC 168 AZS/C -54.7 -56.7 -56.7	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS	-82.8 -82.4 -81.3 -81.4 -83.8 -83.3 -81.3 SEC TC 265 AZ SUN -82.8 -82.8 -82.3	34.1 33.3 32.7 30.5 33.9 36.1 32.7 TAB NO IMPACT .611 AZA 34.1 34.3 32.7	14.10691 14.09340 13.58996 14.21268 14.67028 13.58996 47 47 ALT 598.08899 A. 13.78183 13.76861 13.27709	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.87C -87.6 C.814 -87.3 C.77c -93.4 C.833 -93.1 C.87C -87.6 ATLAS PHOT LAT 3 -7.465 -2 B/A AZPHAZ C.825 -9C.4 C.87C -87.6	1NCC 68.1 69.5 68.2 70.3 70.9 68.7 68.2 O NO	2348.062 PHAZ EMIS 41.0 29.4 41.0 29.8 45.7 36.4 39.3 41.0 33.7 41.0 29.8 47  2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4 41.0 29.8	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5 POD SE 2.322 - ALPHA 26.4 29.7 26.5	SCALE 0. 39621 45.88635 63.79233 62.03893 66.50379 58.73179  QUENCE NO 051 68.653 11  SCALE 0. 49.91809	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7 1 663 A7 5-900 PT-PT 0-1 1-2 2-3
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  TRAJECTORY DATA PHOTC DATA PT LAT LCN 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.909 5 -12.928 -17.465	e76.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 21 MIN 23 RANGE 650.09348 665.54961 662.15087 542.67489	-54.7 -56.7 -08.3 -63.4 -55.4 -49.6 -48.3 SEC 188 AZS/C -54.7 -56.7 -56.7 -55.4	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS	-82.8 -82.4 -81.3 -81.4 -83.8 -83.3 -81.3 SFC TC 265 AZ SUN -82.4 -81.3 -81.4	34-1 33-3 32-7 30-5 33-9 36-1 32-7 <b>TAB NO</b> IMPACT -611 AZA 34-1 34-3 32-7 30-6 33-8	14.10691 14.09340 13.58996 14.21268 14.67628 13.98995 13.58996 47 ALT 598.08699 A* 13.76183 13.76861 13.27769 13.88503 14.33059	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.817 -87.6 C.814 -87.3 C.776 -93.4 C.832 -93.1 C.87C -87.6  ATLAS PHOT  LAT C.824 -91.3 C.825 -9C.4 C.814 -87.3 C.814 -87.3 C.815 -87.6 C.814 -87.3 C.816 -87.6 C.816 -87.6 C.816 -87.6	1NCD 68-1 69-5 68-2 70-3 70-9 68-7 68-2 O NO	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5  POD SE 2.322 - ALPHA 26.4 29.7	SCALE 0.71  QUENCE NC 0.71  SCALE 0.72  QUENCE NC 0.71  SCALE 0.74  49.91809  44.82090  42.31149	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 1 663 A7 5.900 PI-PT 0-1 1-2 2-3 3-4
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  TRAJECTORY DATA PHOTC DATA PT LAT LCN 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.909 5 -12.928 -17.465	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 71 MIN 23 RANGE 660.09348 685.54961 662.15087 792.67480 714.71099 881.80405	-54.7 -56.7 -58.3 -63.4 -55.4 -55.4 -49.6 -*8.3 SEC 188 AZS/C -54.7 -56.7 -56.7 -56.7 -56.7 -67.7 -67.7 -67.7 -67.7 -67.7	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS AZN 9.4 10.2 8.9 10.3 11.8 10.1	-82.8 -82.4 -81.3 -81.4 -83.8 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3	34-1 33-3 32-7 30-5 33-9 36-1 32-7 TAB NO IMPACT -611 AZA 34-1 34-1 34-3 30-6 33-8 36-8	14.10691 14.09340 15.58996 14.21268 14.67028 12.98995 13.58996 47 ALT 598.0889 A. 13.76861 13.27709 14.33099 14.33099	B/A AZPHAZ C.824 -91.4 O.825 -9C.4 O.87C -87.6 C.814 -87.3 C.77c -93.4 O.833 -93.1 O.87C -87.6 ATLAS PHOT LAT 8 -7.465 -2 B/A AZPHAZ U.824 -91.3 C.825 -9C.4 O.87C -87.6 O.814 -87.3 O.77c -93.4	1NCC 68-1 69-5 68-2 70-3 70-9 68-7 68-2 0 NO LUN 7-354 1NCO 68-1 68-2 70-2 70-8	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4 41.0 29.8 36.4 35.6 36.4 35.6 36.4 35.6 36.4 35.6	2.316 - ALPHA 26.5 29.7 - 26.5 33.3 32.8 25.9 POD SE 2.322 - ALPHA 26.4 29.7 26.5 33.2 33.2	SCALE 0. 50.396.21. 45.886.35 63.792.33 62.0389.3 66.50379 68.653.73179  QUENCE NO 01. 5CALE 0. 49.91809 44.8209 62.31149 60.58693	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 663 A7 5.900 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.976 -19.657 7 -11.067 -20.004  JULY 21,102 12 HD  TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.873 -20.068 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.909	e76.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 21 MIN 23 RANGE 650.09348 665.54961 662.15087 542.67489	-54.7 -56.7 -08.3 -63.4 -55.4 -49.6 -48.3 SEC 188 AZS/C -54.7 -56.7 -56.7 -55.4	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS AZN 9.4 10.2 8.9 10.3 11.8	-82.8 -82.4 -81.3 -81.4 -83.8 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -83.3 -83.3 -83.3	34-1 33-3 32-7 30-5 33-9 36-1 32-7 TAB NO IMPACT -611 AZA 34-1 33-3 32-7 30-6 33-8 33-8 36-1 32-7	14.10691 14.09340 13.58996 14.21268 14.67028 13.98996 47 ALT 598.08893 A* 13.76861 13.27709 13.68503 14.33059 12.66716 13.27709	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.817 -87.6 C.814 -87.3 C.77c -93.4 C.833 -93.1 C.87C -87.6  ATLAS PHOT LAT S -7.465 -2 B/A AZPHAZ C.824 -91.3 C.825 -9C.4 C.814 -87.3 C.716 -93.4 C.817 -93.4 C.817 -93.4 C.817 -93.4 C.8187 -93.4 C.8187 -93.4 C.8187 -93.4 C.8187 -93.4 C.816 -87.6	INCE 68-1 69-5 68-2 70-9 68-2 70-8 70-9 68-2 70-354 INCO 68-1 69-4 68-2 70-2 70-6 68-7 68-2	2348.062 PHAZ EMIS 41.0 29.4 41.0 29.8 43.6 435.7 36.4 35.7 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4 41.0 29.8 36.4 35.6 64.3 35.6	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5 POD SE  ** ** ** ** ** ** ** ** ** ** ** ** *	SCALE 0. 50.39621. 45.88635 63.79233 62.03893 62.03893 64.50379 758.73179  QUENCE NO 49.91809 44.82090 62.311149 60.58693 60.58693	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 663 A7 5-900 PT-PT 0-1 1-2 2-3 3-4 4-5
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  TRAJECTORY DATA PHOTC DATA PT LAT LCN 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.909 5 -12.928 -17.465	C16.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 21 MIN 23 RANGE 660.09348 662.53496 662.15087 592.67480 662.15087	-54.7 -56.7 -78.3 -63.4 -49.6 -48.3 SEC 168 AZS/C -54.7 -56.7 -56.7 -55.4 -49.7 -58.3	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS AZN 9.4 10.2 8.9 10.3 11.8 10.1	-82.8 -82.4 -81.3 -81.4 -83.8 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -83.3 -83.3 -83.3	34-1 33-3 32-7 30-5 33-9 36-1 32-7 TAB NO IMPACT -611 AZA 34-1 34-1 34-3 30-6 33-8 36-8	14.10691 14.09340 15.58996 14.21268 14.67028 12.98995 13.58996 47 ALT 598.0889 A. 13.76861 13.27709 14.33099 14.33099	B/A AZPHAZ C.824 -91.4 O.825 -9C.4 O.87C -87.6 C.814 -87.3 C.77c -93.4 O.833 -93.1 O.87C -87.6 ATLAS PHOT LAT 8 -7.465 -2 B/A AZPHAZ U.824 -91.3 C.825 -9C.4 O.87C -87.6 O.814 -87.3 O.77c -93.4	INCE 68-1 69-5 68-2 70-9 68-2 70-8 70-9 68-2 70-354 INCO 68-1 69-4 68-2 70-2 70-6 68-7 68-2	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4 41.0 29.8 36.4 35.6 36.4 35.6 36.4 35.6 36.4 35.6	2.316 - ALPHA 26.5 29.7 - 26.5 33.3 32.8 25.9 26.5 POD SE  2.322 - ALPHA 29.7 26.5 33.2 32.7 26.5	SCALE 0. 50.396.21. 45.886.35 63.792.33 62.0389.3 66.50379 68.653.73179  QUENCE NO 01. 5CALE 0. 49.91809 44.8209 62.31149 60.58693	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 663 A7 5-900 PI-PT 0-1 1-2 2-3 3-4-5 5-6 6-7
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  UGLT 21,1021 12 HD  TRAJECTORY DATA PHOTE DATA PT LAT LCN 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.405 6 -12.928 -17.465 7 -11.061 -20.003	C16.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 21 MIN 23 RANGE 660.09348 662.53496 662.15087 592.67480 662.15087	-54.7 -56.7 -78.3 -63.4 -49.6 -48.3 SEC 168 AZS/C -54.7 -56.7 -56.7 -55.4 -49.7 -58.3	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS AZN 9.4 10.2 8.9 10.3 11.8 10.1	-82.8 -82.4 -81.3 -81.4 -83.8 -83.3 -81.3 -81.3 -81.3 -81.3 -81.4 -83.3 -81.4 -83.3 -81.3	34-1 33-3 32-7 30-5 33-9 36-1 32-7 TAB NO IMPACT -611 AZA 34-1 33-3 32-7 30-6 33-8 33-8 36-1 32-7	14.10691 14.09340 13.58996 14.21268 14.67028 13.98995 13.58996 47 ALT 598.08693 48503 13.76861 13.27709 13.86503 13.27709 14.33059 13.66716 13.27709	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.812 -87.6 C.814 -87.3 C.77c -93.4 C.833 -93.1 C.87C -87.6  ATLAS PHOT  LAT S -7.465 -2 B/A AZPHAZ C.825 -9C.4 C.814 -87.3 C.826 -93.4 C.87C -87.6 ATLAS PHOT	1NCC 68-1 69-5 68-2 70-3 70-9 68-2 70 NO LUN 1NCO 68-1 68-1 68-2 70-8 68-2 70-8 68-2	2348.062 PHAZ EMIS 41.0 29.4 41.0 29.8 43.6 435.7 36.4 39.3 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4 41.0 29.8 46.1 29.3 38.6 34.4 41.0 29.8 41.0 29.8	2.316 - ALPHA 26.5 29.7 - 26.5 33.3 32.8 25.9 26.5  POD SE  2.322 - ALPHA 26.4 29.7 26.5 33.2 32.7 25.9 26.5	SCALE 0. 50.396.21. 45.886.35 63.792.33 62.0389.3 62.0389.3 62.0389.3 62.0389.3 62.0389.3 62.0389.3 62.0389.3 62.0389.3 62.0389.3 62.0389.3 62.31149 68.653 62.31149 60.5869.3 64.94756 57.36580 QUENCE NO	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 900 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 900 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 9-669
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.460 6 -12.976 -19.657 7 -11.067 -20.004  TRAJECTORY DATA PHOTC DATA PT LAT LON 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.909 5 -12.928 -17.465 6 -12.926 -19.665 7 -11.061 -20.003  JULY 31,1964 13 HR TRAJECTORY DATA	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 21 MIN 23 RANGE 650.09348 655.54961 662.15087 542.67480 714.7109 961.80405 062.15087	-54.7 -56.7 -56.3 -63.4 -49.6 -49.6 -48.3 SEC 168 AZS/C -54.7 -56.3 -63.4 -49.7 -58.3 SEC 228	9.4 10.3 10.3 11.8 9 10.1 8.9 MS	-82.8 -82.4 -81.3 -81.4 -83.8 -83.8 -81.3 -81.3 -81.3 -81.4 -83.8 -81.4 -83.8 -81.4 -83.8 -81.4 -83.8 -81.4	34-1 33-3 32-7 30-5 33-9 36-1 32-7 TAB NO IMPACT -011 AZA 34-1 33-3 32-7 30-6 33-8 36-0 32-7 TAB NO	14.10691 14.09340 13.58996 14.21268 14.67028 13.98995 13.58996 47 ALT 598.08693 48503 13.76861 13.27709 13.86503 13.27709 14.33059 13.66716 13.27709	B/A AZPHAZ C.824 -91.4 C.825 -90.4 C.816 -87.6 C.814 -87.3 C.77c -93.4 C.833 -93.1 C.87C -87.6  ATLAS PHOT  LAT C.824 -91.3 C.825 -90.4 C.814 -87.3 C.825 -90.4 C.814 -87.3 C.826 -87.6 ATLAS PHOT  ATLAS PHOT  B/A AZPHAZ C.826 -90.4 C.827 -90.4 C.837 -90.4 C.837 -87.6 C.816 -87.6 ATLAS PHOT	INCC 68-1 69-5 68-2 70-3 70-9 68-7 68-2 1NCO 68-1 68-1 68-2 70-2 70-8 68-7 68-2	2348.062 PHAZ EMIS 41.0 29.4 41.0 29.8 43.6 4 35.7 36.4 39.3 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4 41.0 29.8 36.4 35.6 41.1 29.3 38.6 34.4 41.0 29.8 41.0 29.8	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5  POD SE  ALPHA 26.4 29.7 26.5 33.2 26.5  POD SE	SCALE 0. 50.39621. 45.88635 63.79233 62.03893 62.03893 64.650379 68.73179  QUENCE NO 49.91809 44.82090 62.311149 60.58693 64.94756 57.36580  QUENCE NO	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 9663 A7 5-900 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.976 -19.657 7 -11.067 -20.004  WOLT 21,100 12 HD  TRAJECTORY DATA PHOTO DATA PI LAT LCN 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.909 5 -12.928 -17.465 6 -12.926 -19.665 7 -11.061 -20.003  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PI LAT LCN	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 71 MIN 23 RANGE 600.09348 605.54961 662.15087 792.67480 714.71099 961.80405 662.15087	-54.7 -56.7 -88.3 -63.4 -55.4 -49.6 -48.3 SEC 188 AZS/C -54.7 -56.7 -58.3 SEC 228	9.4 10.3 10.3 11.8 9 MS AZN 49.4 10.2 8.9 10.3 11.8 10.1 8.9	-62.8 -62.4 -81.3 -81.4 -83.8 -83.3 -61.3  SEC TC 265  AZ SUN 82.4 -81.3 -81.3 -81.3 -81.3	34-1 33-3 32-7 30-5 33-9 36-1 32-7 TAB NO IMPACT -611 AZA 34-1 33-3 32-7 TAB NO IMPACT -571 AZA	14.10691 14.09340 14.019340 13.58996 14.21268 14.67028 13.98995 13.58996 47 ALT 598.08891 ALT 13.76881 13.76861 13.27769 13.86703 14.33069 12.66716 13.27769	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.812 -87.6 C.814 -87.3 C.77c -93.4 C.833 -93.1 C.87C -87.6  ATLAS PHOT  LAT C.824 -91.3 C.825 -9C.4 C.814 -87.3 C.77c -93.4 C.825 -9C.4 C.814 -87.3 C.87C -87.6  ATLAS PHOT	INCC 68-1 69-5 68-2 70-3 70-9 68-7 68-2 O NO LUN 7-354 INCO 68-1 70-2 70-8 68-2 70-8 68-2 70-8 68-7	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4 41.0 29.8 48 2322.636	2.316 - ALPHA 26.5 26.5 29.7 26.5 33.3 32.8 25.9 26.5  POD SE 2.322 - ALPHA 26.4 29.7 26.5 33.2 32.7 26.5  POD SE	SCALE 0. 39621 45.88635 63.79233 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 64.650379 58.73179  QUENCE NO 0. 014 SCALE 0. 02. 02. 02. 02. 02. 02. 02. 02. 02. 0	PT-PT 0-1 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-4 4-5-6 6-7 1-2 2-3 3-3 3-4 4-5-6 7-2 2-3 3-3 3-4 4-5-6 7-2 2-3 3-3 3-4 4-5-6 7-2 2-3 3-3 3-4 4-5-6 7-2 2-3 3-3 3-4 4-5-6 7-2 2-3 3-3 3-4 4-5-6 7-2 2-3 3-3 3-4 4-5-6 7-2 2-3 3-3 3-3 3-4 4-5-6 7-2 2-3 3-3 3-3 3-3 3-3 3-3 3-3 3-3 3-3 3
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.976 -19.657 7 -11.067 -20.004  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.405 6 -12.924 -17.405 7 -11.061 -20.003  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.866 -20.083 2 -11.955 -18.800	676.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 21 MIN 23 RANGE 660.09348 665.54961 662.15087 592.67480 714.71099 961.60405 662.15087	-54.7 -56.7 -98.3 -63.4 -49.6 -48.3 SEC 168 AZS/C -54.7 -56.7 -56.7 -58.3 SEC 228 AZS/C -54.8	9.4 10.3 10.8 11.8 11.8 10.1 8.9 MS AZN 9.4 10.2 8.9 11.8 10.1 8.9	-82.8 -82.4 -81.3 -81.4 -83.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.4 -83.3 -81.4 -81.3 -81.4 -83.5 -81.4 -83.5 -81.4 -83.5 -81.4 -83.5 -81.4 -83.5 -81.4 -83.6	34-1 33-3 32-7 30-5 33-9 36-1 32-7 <b>TAB NO</b> IMPACT -611 AZA 34-1 34-3 42-7 <b>TAB NO</b> IMPACT -571 AZA 33-8 36-0 32-7 TAB NO	14.10691 14.09340 13.58996 14.21268 14.67028 13.98996 47 ALT 598.08893 A- 13.78183 13.76861 13.27709 12.88503 14.33059 12.66716 13.27709 48 ALT 567.1825.	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.812 -87.6 C.814 -87.3 C.77c -93.4 C.833 -93.1 C.87C -87.6  ATLAS PHOT  LAT 3 -7.465 -2 B/A AZPHAZ C.825 -9C.4 C.834 -93.3 C.87C -87.6  ATLAS PHOT  LAT C.87C -87.6 C.814 -87.3 C.77c -93.4 C.87c -87.6 C.831 -93.1 C.87C -87.6 C.831 -93.1 C.87C -87.6 C.831 -93.1 C.87C -87.6 C.832 -93.1 C.87C -87.6 C.832 -93.1 C.832 -93.1 C.832 -93.1 C.833 -93.1 C.835 -93.1	INCC 68.1 69.2 70.3 70.3 68.7 68.2 0 NO LUN 7.354 INCO 68.1 69.4 68.2 70.6 68.7 70.6 68.7 10.0 0 NO	2348.062 PHAZ EMIS 41.0 29.4 38.6 34.4 41.0 29.8 36.4 35.7 36.4 39.3 41.0 29.8 47 2333.544 PHAZ EMIS 41.1 29.3 38.6 34.4 41.0 29.8 41.0 29.8 48 2322.639 PHAZ EMIS 41.1 29.3	2.316 - ALPHA 26.5 29.7 20.5 33.3 32.8 25.9 26.5 POD SE  2.322 ALPHA 26.4 29.7 26.5 POD SE	SCALE 0. 50.39621 45.88635 63.79233 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 62.038653	PT-PT 0-1 1 2 2 - 3 3 - 4 5 5 - 6 6 - 7 1 663 3 - 4 - 5 5 - 6 6 - 7 1 669 AZ 5-88
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  WILLIAM TRAJECTORY DATA PHOTO DATA PI LAT LCN 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.405 6 -12.929 -17.405 6 -12.929 -17.405 7 -11.061 -20.003  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.666 -20.083 2 -11.935 -18.821 3 -11.057 -20.002	C16.01764 701.72111 677.75399 709.02075 731.53224 697.90721 577.75399 21 MIN 23  RANGE 650.09348 665.54961 662.15087 592.67480 662.15087 21 MIN 28  RANGE 648.12865 673.36931 500.41783	-54.7 -56.7 -56.3 -63.4 -49.6 -49.6 -48.3 SEC 188 AZS/C -54.7 -56.3 -63.4 -49.7 -58.3 SEC 228	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS AZN 9.4 10.2 9.4 10.3 11.8 9.4 10.2 9.4 10.2	-82.8 -82.8 -81.3 -81.4 -83.3 -81.3 -81.3 -81.3 -81.3 -81.4 -82.8 -82.4 -81.4 -83.3 -81.4 -83.3 -81.4 -83.3 -81.4 -83.3	34-1 33-3 32-7 30-5 33-9 36-1 32-7 TAB NO IMPACT -611 AZA 34-1 33-3 32-7 TAB NO IMPACT -571 AZA 34-0 33-3 32-7 34-0 33-3 32-3 32-3 32-3	14.10691 14.09340 14.21268 14.67028 13.98996 14.2128 13.98996 13.58996 47 ALT 598.08893 13.76861 13.27709 12.88503 14.33009 12.66716 13.27709 48 ALT 567.1835 13.27829 12.48303 13.2784 13.2783 13.2784 13.2783 13.2784 13.2783 13.2784 13.2783 13.2784 13.2783 13.2784 13.278	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.814 -87.3 C.876 -87.6 C.814 -87.3 C.876 -87.6 ATLAS PHOT  LAT C.824 -91.3 C.825 -9C.4 C.814 -87.3 C.827 -87.6 ATLAS PHOT C.876 -87.6 ATLAS PHOT C.876 -87.6 ATLAS PHOT C.824 -91.3 C.825 -9C.4 C.837 -87.6	INCC 68-11 69-25 70-3 70-3 70-8 68-7 68-7 68-1 1NCO 68-1 68-2 70-2 70-8 68-7 1NCO 68-7 1NCO 68-7 1NCO 68-7 68-7 68-7 68-7 68-8	2348.062 PHAZ EMIS 41.0 29.4 41.0 29.8 46.4 39.3 41.0 29.8 47 2333.544 41.0 29.8 47 2333.544 41.0 29.8 46.4 35.6 66.4 39.2 41.0 33.7 41.0 29.8 48  K 2322.633 PHAZ EMIS 41.1 29.2 38.6 34.4 41.0 29.8	2.316 - ALPHA 26.5 29.7 26.5 33.3 32.8 25.9 26.5  POD SE  2.322 - ALPHA 26.4 29.7 26.5  POD SE	SCALE 0.50.396.21 45.886.35 63.792.33 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 64.50379 64.50379 64.653 61.50379 62.31149 68.653 11 SCALE 0. 49.91809 44.821940 60.58693 64.94756 57.36586 QUENCE NO PTH 68.587 11 SCALE 0.49.49.49.49.49.49.49.49.49.49.49.49.49.	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 900 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 900 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 900 PT-PT 1-2 2-3 2-2 2-3 3-4 4-5 5-6 8-7 900 PT-PT 2-2 2-3 2-2 2-3 2-4 1-2 2-3 2-4 1-2 2-3 2-4 1-2 2-3 2-3 2-4 1-2 2-3 2-4 1-2 2-3 2-3 2-4 1-2 2-3 2-4 1-2 2-3 2-3 2-4 1-2 2-3 2-4 1-2 2-3 2-3 1-4 1-2 2-3 2-3 2-4 1-2 2-3 2-3 1-4 1-2 2-3 1-4 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  WILLIAM TRAJECTORY DATA PHOTO DATA PI LAT LON 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.405 6 -12.929 -17.405 6 -12.929 -17.405 7 -11.061 -20.003  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.866 -20.083 2 -11.935 -18.821 3 -11.057 -20.002 4 -10.973 -17.946 5 -12.891 -17.510	C16.01764 701.72111 677.75399 709.02075 731.53224 697.90721 577.75399 21 MIN 23  RANGE 650.09348 665.54961 662.15087 592.67480 662.15087 21 MIN 28  RANGE 648.12865 673.36931 690.41783 680.38336 691.7888 680.38336 701.98843	-54.7 -56.7 -56.3 -63.4 -49.6 -78.3 SEC 188 AZS/C -54.7 -56.3 -63.4 -49.7 -58.3 SEC 228 AZS/C -54.8 -55.4 -63.4 -63.4 -63.4 -75.8 -63.4 -6	9.4 10.3 8.9 10.3 11.8 10.1 8.9 MS AZN 9.4 10.2 8.9 10.3 11.8 10.1 8.9	-82.8 -82.4 -81.3 -81.4 -83.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3	34-1 33-3 32-7 30-5 33-9 36-1 32-7 TAB NO IMPACT -611 34-1 34-1 34-1 35-7 TAB NO IMPACT -571 AZA 34-0 33-3 32-7 30-6 33-8 33-7 30-7 30-8 33-7 30-7 30-8 30-7 30-7 30-8 30-7 30-7 30-7 30-7 30-8 30-7 30-7 30-7 30-7 30-7 30-7 30-7 30-7	14.10691 14.09340 14.21268 14.67028 13.98996 14.2128 13.98996 13.58996 47 ALT 598.08893 13.76881 13.27709 12.68716 13.27709 14.33099 12.66716 13.27709 14.33099 12.66716 13.27709 13.88503 14.33099 12.6718 13.2789850 13.2789850 13.26718 13.2789850 13.26718	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.814 -87.3 C.876 -87.6 C.814 -87.3 C.876 -87.6 ATLAS PHOT  LAT C.824 -91.3 C.825 -9C.4 C.814 -87.3 C.826 -9C.4 C.814 -87.3 C.827 -87.6 ATLAS PHOT  LAT C.826 -9C.4 C.827 -9C.4 C.827 -91.3 C.825 -9C.4 C.826 -9C.4 C.826 -91.3 C.827 -87.6 C.816 -87.6 C.816 -87.6 C.817 -87.6 C.817 -87.6 C.817 -87.6 C.818 -87.3 C.877 -93.4	INCC 68.1 69.2 70.3 70.3 70.8 68.7 68.2 0 NO LUN 7.354 INCO 68.1 68.2 70.6 68.2 1 NCO 68.1 68.2 68.7 68.7 68.7 68.7	2348.062 PHAZ EMIS 41.0 29.4 41.0 29.4 41.0 29.8 41.0 33.7 41.0 29.8 47  2333.544 PHAZ EMIS 41.1 29.3 86.4 35.6 36.4 35.6 36.4 39.2 41.0 29.8 48  2322.635 PHAZ EMIS 41.0 29.8 48  2322.635	2.316 - ALPHA 26.5 29.7 - 26.5 33.3 32.8 25.9 26.5  POD SE  2.322 - ALPHA 26.4 29.7 26.5 33.2 32.7 25.9 POD SE	SCALE 0. 0.101 0.1	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 1-2 2-3 3-4 4-5 5-6 6-7 1-2 2-3 3-4 4-5 5-6 6-7 1-2 2-3 3-4 4-5 4-5 4-5 8-8
2 -11.982 -18.772 3 -11.067 -20.004 4 -10.980 -17.860 5 -12.979 -17.404 6 -12.976 -19.657 7 -11.067 -20.004  TRAJECTORY DATA PHOTC DATA PT LAT LON 1 -10.873 -20.008 2 -11.955 -18.800 3 -11.061 -20.003 4 -10.976 -17.405 6 -12.928 -17.405 7 -11.061 -20.003  JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA PT LAT LON 1 -10.866 -20.083 2 -11.935 -18.821 3 -11.057 -20.008 4 -10.973 -17.946	C16.01764 701.72111 677.75399 709.02075 731.63224 697.90721 577.75399 21 MIN 23 RANGE 650.09348 655.54961 662.15087 542.67480 714.71099 981.60405 662.15087 21 MIN 28	-54.7 -56.7 -98.3 -63.4 -49.6 -48.3 SEL 108 AZS/C -54.7 -56.7 -58.3 SEC 228 AZS/C -54.8 -63.4 -55.4 -69.7 -58.3	9.4 10.3 10.3 11.8 11.8 11.8 10.1 8.9 MS AZN 9.4 10.2 8.9 MS	-82.8 -82.4 -81.3 -81.4 -83.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.4 -83.3 -81.4 -81.3 -81.4 -83.3 -81.4 -82.4 -81.3 -81.4 -83.3 -81.4 -83.3 -81.4 -83.3 -81.4 -83.3 -81.4 -83.3 -81.4 -83.3 -81.4 -83.3	34-1 33-3 32-7 30-5 33-9 36-1 32-7  TAB NO  IMPACT -611  AZA 34-1 33-3 32-7  TAB NO  IMPACT -571  AZA 34-0 32-7  TAB NO	14.10691 14.09340 13.58996 14.21268 14.67028 13.98996 13.58996 47 ALT 598.08893 31.76861 13.27709 12.88503 14.33059 12.66716 13.27709 48 ALT 567.1825.	B/A AZPHAZ C.824 -91.4 C.825 -9C.4 C.814 -87.3 C.77c -93.4 C.814 -87.3 C.87c -87.6  ATLAS PHOT  LAT 3 -7.465 -2 B/A AZPHAZ C.825 -9C.4 C.814 -87.3 C.826 -91.3 C.827 -93.4 C.833 -93.1 C.826 -91.3 C.826 -91.3 C.826 -91.3 C.826 -91.3 C.827 -91.3 C.828 -91.3	INCC 68.1 69.2 70.3 70.3 70.6 68.7 68.2 0 NO INCO 68.1 69.4 68.2 70.259 INCO 68.1 68.2 70.6 68.2 70.6 68.2 70.6 68.2 70.6 68.2	2348.062 PHAZ EMIS 41.0 29.4 41.0 29.8 46.4 39.3 41.0 29.8 47 2333.544 41.0 29.8 47 2333.544 41.0 29.8 46.4 35.6 66.4 39.2 41.0 33.7 41.0 29.8 48  K 2322.633 PHAZ EMIS 41.1 29.2 38.6 34.4 41.0 29.8	2.316 - ALPHA 26.5 29.7 20.5 33.3 32.8 25.9 26.5  POD SE  2.322 - ALPHA 26.4 29.7 26.5  POD SE  V 2.326.5  POD SE  V 2.326.5	SCALE 0. 50.39621 45.88635 63.79233 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 62.03893 62.038653	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 1-2 3-4 4-5 5-6 6-7 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-1 1-2 2-3 3-3 4-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-3 3-4 3-4

RA-VII CAMERA P3

				RA-VII	CAMERA	P3			-				9
JULY 31,1964 13 HR.	21 M(N 24 S	EC 427 M			TAB NO	49	ATLAS	РНОТО	NO	49	POD	SEQUENCE NO	679
TRAJECTORY DATA			s	252.	IMPACT 172	ALI 568.97397	-7.588	-27.	N 098	2304.	429 2.333	-68.477 11	5.861
PHOTO DATA PT LAT LON 1 -10.854 -20.109 2 -11.901 -18.859 3 -11.049 -20.004 4 -10.968 -18.010 5 -12.827 -17.590 6 -12.825 -19.683	0.440.5	11010	474				0.44		1 NCO	DULT 64		CCAL E	OY-DT
1 -10.854 -20.109	628.14465	-54.8	9.4	-82.8	34.0	13.12809	0.825 -	91.3	68.L	41.2 29	15 ALPHA 42 2643.	D	0-1
2 -11.901 -18.859	653.02854	-56.8 1	0.2	-82.4	33.2	13.11546	0.826 -	90.3	69.4	38.6 34	.3 29.6	48.83224	1- 2
3 -11.049 -20.004	630.77666	-58.4	8.9	-81.3	32.7.	12.64799	0.870 -	87.6	68.2	41.0 29	.8 26.5. 5 33.1	.42.67623	3- 4
5 -12.827 -17.590	680.68362	-55.5 1	1.7	-83.8	33.8	13.64869	0.778 -	93.4	70.7.	36.4.39	0 32.6	57.66860	4- 5
					35.8	13.01817	0.834 -	93.1	68.7	41.0 33	.6 25.9	61.81563	5- 6 6- 7
7 -11.049 -20.004	030.11000	-58.4	8.9			12.64799	0.870 -	87.0	68.2	41.0 29		54.62036	
_					TAB NO	5û	ATLAS	PHOTO	NO	50	POD	SEQUENCE NO	687
JULY 31,1964 15 HR													
TRAJECTORY DATA			S	EC TO 245.	IPPACT	ALT 554.37592	LAT 2 -7.651	L0 -26.	N 967	2289.	V 831 2.339	PTH -68.387 11	AZ 5.842
PHOTO DATA	DALCE	A / S / C	AZN	A Z CIAM	A 7 A	۸.	R/A A	DHA7	TNCD	DHA7 EM	TS ALPHA	SCALE	PT-PT
1 -10.844 -20.130	612.11922	-54.9	9.4	-82.8	33.9	12.79952	0.825	91.3	68.0	41.2 29	.1 26.2	0.	0- 1
2 -11.873 -18.890	436.68378	-56-8 1	LQ.2	.÷±2.4	33.2	12-18719	0.826 -	90.3	69.3.	38.6.34	3 29.6	48.23223	1- 2
3 -11.043 -20.006	615.00920	-58.4	8.9	-81.3	32.7	12.33183	0.870 -	87.6 87.3	70.1	36.4 35	.5 33.1	57.83092	3- 4
5 -12.775 -17.655	663.58382	-55.5 1	11.7	-83.8	33.7	13.30581	C.779 -	93.4	70.6	36.4 39	.0 32.5	56.20304	4- 5
6 -12.774 -19.694	633.15742	-49.9 1	10.0	-63.3	35.8	12.69204	C.834 -	93.1	68.7	41.0 33	.6 25.9	60.24146	5- 6
PHOTO DATA PT LAT LON 1 -10.844 -20.130 2 -11.873 -18.890 3 -11.043 -20.006 4 -10.963 -18.063 5 -12.775 -17.655 6 -12.774 -19.694 7 -11.043 -20.006	615.00920	-58.4	8.9	-81.3	32.1	12.33183	0.870 -	87.6	08.2	41.0 29	.0 20.5	33.24121	
JULY 31,1964 13 HR			45		TAB NO	51	ATLAS	РНОТО	NO	51	POD	SEQUENCE M	) 690
TRAJECTORY DATA			S	EC TO 238.	IMPACT	ALT 539.75C49	LAT 9 -7.715	LC 5 -26.	N 835	2275.	206 2.345	PTH 5 -68.297 11	AZ 5.821
PHOTO DATA PT LAT LON 1 -10.835 -20.150 2 -11.846 -18.923 3 -11.038 -20.010 4 -10.960 -18.117 5 -12.725 -17.720 6 -12.724 -19.706								<del></del> .					OT OT
PT LAT LON	RANGE 544-05939	AZS/C	AZN G.3	AZSUN -82-H	AZA 33.9	12.470C4	0.826 -	-91.3	FUCD 1NCD	41.3 29	0.0 26.2	Q.	0- 1
2 -11.846 -18.923	620.29212	-56.8 1	10.2	-82.4	33.2	12.45798	0.827 -	-90.3	69.3	38.6 34	.2 29.6	47.62052	1- 2
3 -11.038 -20.010	599.19450	-58.4	8.9	-81.3	32.7	12.01472	0.870 -	-87.6	68.2	41.0 29	7 26.5	40.51744	2- 3
4 -10.960 -18.117	626.70064	-63.3 L	10.3	-81.4	30.7	12.56257	C.780 -	-87.3	70.0	36.4 35	1.9 32.5	54.73676	4- 5
6 -12.724 -19.706	616.84737	-50.0	10.0	-83.3	35.7								
1 -10.835 -20.150 2 -11.846 -18.923 3 -11.038 -20.010 4 -10.960 -18.117 5 -12.725 -17.720 6 -12.724 -19.706 7 -11.038 -20.010	599.19450	-58.4	8.9	-61.3	32.7	12.01472	0.87C -	87.6	68.2	41.0 29	26.5	51.86113	6- 7
					TAB NO	52	ATLAS	РНОТО	NO	52	POD	SEQUENCE N	0 701
JULY 31,1964 13 HR												•	
TRAJECTORY DATA				SEC TO 233.	EMPACT	ALT 528.7635	LAT 2 -7.76	L( 3 -26	DN • 734	2264	V 219 2.34	PTH 9 -68.228 1	AZ 15.806
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A.	B/A A	ZPHAZ	INCD	PHAZ E	IS ALPHA	SCALE	PT-PT
PHOTO DATA PT LAT LON 1 -10.828 -20.165	RANGE 583.99195	A2S/C -54.9	AZN 9.3	AZ SUN -82.8	AZA 33.9	A* 12.22228	8/A A.	ZPHAZ -91.3	INCD 68.0	PHAZ EP	415 ALPHA 8.9 26.1	SCALE 0.	PT-PT 0- 1
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948	RANGE 583.99195 607.96610	AZS/C -54.9 -56.8	AZN 9.3 10.2	AZ SUN -82.8 -82.4	AZA 33.9 33.2	A* 12.22228 12.21042	8/A A. 0.826 - 0.827 -	ZPHAZ -91.3 -90.3	INCD 68.0 69.3	PHAZ EF 41.3 26 38.6 34	415 ALPHA 8.9 26.1	SCALE 0. 47.14389	PT-PT 0- 1 1- 2
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013	RANGE 583.99195 607.96610 587.30193 614.23547	AZS/C -54.9 -56.8 -58.4 -63.3	AZN 9.3 10.2 8.9 10.3	AZSUN -82.8 -82.4 -81.3 -81.4	AZA 33.9 33.2 32.7	A* 12.22228 12.21042 11.77626	8/A A. 0.826 - 0.827 - 0.870 -	ZPHAZ -91.3 -90.3 -87.6	INCD 68.0 69.3 68.2	PHAZ EP 41.3 26 38.6 34 41.0 29	415 ALPHA 8.9 26.1 4.2 29.5 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396	PT-PT 0- 1 1- 2 2- 3 3- 4
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.826 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770	RANGE 583.99195 607.96610 587.30193 614.23547 633.54935	A2S/C -54.9 -56.8 -58.4 -63.3	AZN 9.3 10.2 8.9 10.3	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8	AZA 33.9 33.2 32.7	A* 12.22228 12.21042 11.77626	8/A A. 0.826 - 0.827 - 0.870 -	ZPHAZ -91.3 -90.3 -87.6	INCD 68.0 69.3 68.2	PHAZ EP 41.3 26 38.6 34 41.0 29	415 ALPHA 8.9 26.1 4.2 29.5 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.826 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770	RANGE 583.99195 607.96610 587.30193 614.23547 633.54935	A2S/C -54.9 -56.8 -58.4 -63.3	AZN 9.3 10.2 8.9 10.3	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8	AZA 33.9 33.2 32.7	A* 12.22228 12.21042 11.77626	8/A A. 0.826 - 0.827 - 0.870 -	ZPHAZ -91.3 -90.3 -87.6	INCD 68.0 69.3 68.2	PHAZ EP 41.3 26 38.6 34 41.0 29	415 ALPHA 8.9 26.1 4.2 29.5 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396	PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.155 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013	RANGE 583.99195 607.96610 587.30193 614.23547 633.54935 604.58340 587.30193	AZS/C -54.9 -56.8 -58.4 -63.3 -55.6 -50.0 -58.4	AZN 9.3 10.2 8.9 10.3 11.6 9.9	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7	A* 12.22228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626	8/A A 0.826 - 0.827 - 0.87C - 0.816 - 0.78C - 0.835 - 0.87C -	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.4 -93.1 -87.6	INCD 68.0 69.3 68.2 70.0 70.5 68.6 68.2	PHAZ EP 41.3 26 38.6 34 41.0 25 36.4 36 41.0 36	HIS ALPHA 8.9 26.1 4.2 29.5 9.7 26.5 5.4 33.0 8.8 32.4 3.5 25.8 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR	RANGE 583.99195 607.96610 587.30193 614.23547 633.54935 604.58340 587.30193	AZS/C -54.9 -56.8 -58.4 -63.3 -55.6 -50.0 -58.4	AZN 9.3 10.2 8.9 10.3 11.6 9.9 8.9	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7	A* 12.22228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626	8/A A 0.826 d 0.827 d 0.87C d 0.78C d 0.78C d 0.835 d 0.87C	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.4 -93.1 -87.6	INCD 68.0 69.3 68.2 70.0 70.5 68.6 68.2	PHAZ EP 41.3 26 38.6 34 41.0 26 36.4 36 41.0 36 41.0 26	MIS ALPHA 8.9 26.1 4.2 29.5 9.7 26.5 5.4 33.0 8.8 32.4 3.5 25.8 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 583.99195 607.96610 587.30193 614.23547 633.54935 604.58340 587.30193	A2S/C -54.9 -58.4 -63.3 -55.6 -50.0 -58.4	AZN 9.3 10.2 6.9 10.3 11.6 9.9 8.9	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO	A* 12.22228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626  53  ALT 506.7417	8/A A 0.826 0 0.827 0 0.87C 0 0.78C 0 0.78C 0 0.835 0 0.87C	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.4 -93.1 -87.6 PHOTO	INCD 68.0 49.3 68.2 70.0 70.5 68.6 68.2	PHAZ EP 41.3 26 38.6 34 41.0 26 36.4 36 41.0 26	MIS ALPHA 8.9 26.1 4.2 29.5 9.7 26.5 5.4 33.0 8.8 32.4 3.5 25.8 9.7 26.5 POD	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 583.99195 607.96610 587.30193 614.23547 633.54935 604.58340 587.30193	A2S/C -54.9 -58.4 -63.3 -55.6 -50.0 -58.4	AZN 9.3 10.2 6.9 10.3 11.6 9.9 8.9	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO	A* 12.22228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626  53  ALT 506.7417	8/A A, 0.826	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.4 -93.1 -87.6 PHOTC	INCD 68.0 68.2 70.5 68.6 68.2 ) NO	PHAZ EF 41.3 26 38.6 34 41.0 25 36.4 35 36.4 35 36.4 35 41.0 25 53	MIS ALPHA 8.9 26.1 4.2 29.5 9.7 26.5 5.4 33.0 8.8 32.4 3.5 25.8 9.7 26.5  POD  R V.197 2.35	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 583.99195 607.96610 587.30193 614.23547 633.54935 604.58340 587.30193	A2S/C -54.9 -58.4 -63.3 -55.6 -50.0 -58.4	AZN 9.3 10.2 6.9 10.3 11.6 9.9 8.9	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO	A* 12.22228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626  53  ALT 506.7417	8/A A 0.826 0.827 0.870 0.816 0.780 0.835 0.870 ATLAS	ZPHAZ -91.3 -90.3 -87.6 -87.6 -93.1 -93.1 -87.6 PHOTC	INCD 68.0 68.2 70.0 70.5 68.6 68.2 NO CN .530	PHAZ EP 41.3 26 38.6 34 41.0 26 36.4 31 41.0 36 41.0 26 53	MIS ALPHA 8-9 26.1 4-2 29.5 7-7 26.5 5-4 33.0 8-8 32.4 3.5 25.8 9-7 26.5 POD R V 197 2.35	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N PTH 8 -68.089 1	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15-775
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 583.99195 607.96610 587.30193 614.23547 633.54935 604.58340 587.30193	A2S/C -54.9 -58.4 -63.3 -55.6 -50.0 -58.4	AZN 9.3 10.2 6.9 10.3 11.6 9.9 8.9	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO	A* 12.22228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626  53  ALT 506.7417	8/A A 0.826 0.827 0.87C 0.816 0.78C 0.835 0.87C ATLAS	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.1 -87.6 PHOTO 1 -26 ZPHAZ -91.3 -90.3	INCD 68.0 68.2 70.0 70.5 68.6 68.2 ) NO CN .530 INCD 68.0 69.2	PHAZ EF 41.3 26 38.6 34 41.0 24 36.4 31 36.4 31 41.0 24 53 2242 PHAZ EF 41.4 23 38.6 33	MIS ALPHA 8-9 26.1 4-2 29.5 9-7 26.5 5-4 33.0 8-8 32.4 3.5 25.8 9-7 26.5 POD R V 1197 2.35 MIS ALPHA 8-8 26.0 MIS ALPHA 8-8 26.0	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391  SEQUENCE N PTH 8 -68.089 1  SCALE 0. 46.09083	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.826 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022	RANGE 583,99195 607,96410 587,30193 614,23547 504,58340 587,30193 22 MIN 5 5 RANGE 559,79694 583,19689 663,40707	AZS/C -54.9 -58.4 -58.4 -63.3 -55.6 -50.0 -58.4 SEC 186 F	AZN 9.3 10.2 8.9 10.3 11.6 9.9 8.9 MS	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3 SEC TO 223. AZ SUN -82.8 -82.4 -81.4	AZA 33.9 33.2 32.7 30.7 35.7 35.7 35.7 TAB NO IMPACT 614	A. 12.2228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626  53  ALT 506.7417  A. 11.72441 11.71295	B/A A 0.826 0.827 0.870 0.780 0.780 0.835 0.870 ATLAS LAT 9 -7.86 B/A A 0.827 0.820 0.870	ZPHAZ -91.3 -90.3 -87.6 -87.6 -87.3 -93.4 -93.1 -87.6 PHOTO 1 -26 ZPHAZ -91.3 -90.3 -87.6	INCD 68.0 68.2 70.0 70.5 68.6 68.2 NO CN .530 INCD 68.0 68.2	PHAZ EF 41.3 26 3R.6 34 41.0 23 36.4 31 41.0 25 53 2242 PHAZ EF 41.4 2 38.6 3	MIS ALPHA 8.9 26.1 1.2 29.5 7.7 26.5 5.4 33.0 8.8 32.4 8.5 25.8 9.7 26.5 POD  R V.197 2.35 MIS ALPHA 8.8 26.0 4.1 29.5 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N PTH 8 -68.089 1 SCALE 0. 46.09083 38.07149	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.826 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022 4 -10.952 -18.244 5 -12.011 -17.873	RANGE 583,99195 607,96410 587,30193 614,23547 504,58340 587,30193 22 MIN 5 5 RANGE 559,79694 583,19689 663,40707 589,18591 607,64597	AZS/C -54.9 -58.4 -63.3 1 -55.6 1 -55.4 SEC 186 #	AZN 9.3 10.2 8.9 10.3 11.6 9.9 8.9 MS	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3 SEC TO 223. AZ SUN -82.8 -82.8 -81.3 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 30.8	12.2228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626 53 ALT 506.7417 A. 11.72441 11.71295 11.2913 11.81060	B/A A 0.826 0.827 0.870 0.780 0.635 0.870 ATLAS 4ATLAS B/A A 0.627 0.826 0.870 0.810 0.811 0.827 0.828 0.870 0.816	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.4 -93.1 -87.6 SPHOTO 1 -26 ZPHAZ -91.3 -90.3 -87.6 -87.3	INCD 68.0 49.3 68.2 70.6 68.6 68.2 ) NO CN .530 INCD 69.2 68.2 69.2 69.9	PHAZ EF 41.3 26 3R.6 34 41.C 25 36.4 31 41.0 25 53 2242 PHAZ EF 41.4 2 36.4 3 41.0 2	MIS ALPHA 8.9 26.1 4.2 29.5 5.4 33.0 8.8 32.4 3.5 25.8 POD K V 197 2.35 MIS ALPHA 8.8 26.0 4.1 29.5 9.7 26.5 5.3 32.9 8.8 32.4	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N PTH 8 -68.089 1 SCALE 0. 46.09083 38.07149 52.91745	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.826 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022 4 -10.952 -18.244 5 -12.011 -17.873	RANGE 583,99195 607,96410 587,30193 614,23547 504,58340 587,30193 22 MIN 5 5 RANGE 559,79694 583,19689 663,40707 589,18591 607,64597	AZS/C -54.9 -58.4 -63.3 1 -55.6 1 -55.4 SEC 186 #	AZN 9.3 10.2 8.9 10.3 11.6 9.9 8.9 MS	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3 SEC TO 223. AZ SUN -82.8 -82.8 -81.3 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 30.8	12.2228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626 53 ALT 506.7417 A. 11.72441 11.71295 11.2913 11.81060	B/A A 0.826 0.827 0.870 0.780 0.635 0.870 ATLAS 4ATLAS B/A A 0.627 0.826 0.870 0.810 0.811 0.827 0.828 0.870 0.816	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.4 -93.1 -87.6 SPHOTO 1 -26 ZPHAZ -91.3 -90.3 -87.6 -87.3	INCD 68.0 68.2 70.6 68.2 ) NO CN .530 INCD 69.2 68.2 69.2 69.9	PHAZ EF 41.3 26 3R.6 34 41.C 25 36.4 31 41.0 25 53 2242 PHAZ EF 41.4 2 36.4 3 41.0 2	MIS ALPHA 8.9 26.1 4.2 29.5 5.4 33.0 8.8 32.4 3.5 25.8 POD R V 197 2.35 MIS ALPHA 8.8 26.0 4.1 29.5 9.7 26.5 5.3 32.9 8.8 32.4	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N PTH 8 -68.089 1 SCALE 0. 46.09083 38.07149 52.91745	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.686 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022	RANGE 583,99195 607,96410 587,30193 614,23547 504,58340 587,30193 22 MIN 5 5 RANGE 559,79694 583,19689 663,40707 589,18591 607,64597	AZS/C -54.9 -58.4 -63.3 1 -55.6 1 -55.4 SEC 186 #	AZN 9.3 10.2 8.9 10.3 11.6 9.9 8.9 MS	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3 SEC TO 223. AZ SUN -82.8 -82.8 -81.3 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 30.8	12.2228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626 53 ALT 506.7417 A. 11.72441 11.71295 11.2913 11.81060	B/A A 0.826 0.827 0.870 0.780 0.635 0.870 ATLAS 4ATLAS B/A A 0.627 0.826 0.870 0.810 0.811 0.827 0.828 0.870 0.816	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.4 -93.1 -87.6 SPHOTO 1 -26 ZPHAZ -91.3 -90.3 -87.6 -87.3	INCD 68.0 68.2 70.6 68.2 ) NO CN .530 INCD 69.2 68.2 69.2 69.9	PHAZ EF 41.3 26 3R.6 34 41.C 25 36.4 31 41.0 25 53 2242 PHAZ EF 41.4 2 36.4 3 41.0 2	MIS ALPHA 8.9 26.1 4.2 29.5 5.4 33.0 8.8 32.4 3.5 25.8 POD R V 197 2.35 MIS ALPHA 8.8 26.0 4.1 29.5 9.7 26.5 5.3 32.9 8.8 32.4	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N PTH 8 -68.089 1 SCALE 0. 46.09083 38.07149 52.91745	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.826 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.687 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022 4 -10.952 -18.244 5 -12.011 -17.873	RANGE 583, 99195 607, 96410 587, 30193 614, 23547 604, 58340 587, 30193 22 MIN 5 5 RANGE 559, 79694 983, 19689 563, 40707 389, 18591 607, 64597 579, 94269 607, 94269	AZS/C -54.956.458.4	AZN 9.3 10.2 8.9 10.3 11.6 9.9 8.9 MS	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3 SEC TO 223. AZ SUN -82.8 -82.8 -81.3 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 30.8	12.2228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626 53 ALT 506.7417 A. 11.72441 11.71295 11.2913 11.81060	B/A A 0.026	ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.4 -93.1 -87.6 SPHOTO 1 -26 ZPHAZ -91.3 -90.3 -87.6 -87.3	INCD 68.0 69.2 68.0 1NCD 68.0 69.2 69.9 70.4 68.6 68.2	PHAZ EF 41.3 26 3R.6 34 41.C 25 36.4 31 41.0 25 53 2242 PHAZ EF 41.4 2 36.4 3 41.0 2	ALS ALPHA 8.9 26.1 4.2 29.5 9.7 26.5 9.7 26.5 8.8 32.4 8.3 22.4 8.3 22.4 9.7 26.5 POD * V 1.197 2.35 **MIS ALPHA 8.8 26.0 4.1 29.5 9.7 26.5 5.3 32.9 8.7 32.3 3.5 25.8 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N PTH 8 -68.089 1 SCALE 0. 46.09083 38.07149 52.91745	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.826 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022 4 -10.952 -18.244 5 -12.611 -17.873 6 -12.610 -19.737 7 -11.026 -20.022  JULY 31,1964 13 HR	RANGE 583, 99195 607, 96410 587, 30193 614, 23547 604, 58340 587, 30193 22 MIN 5 5 RANGE 559, 79694 983, 19689 563, 40707 389, 18591 607, 64597 579, 94269 607, 94269	AZS/C -54.9 -58.4 -58.4 -58.4 -58.4 -58.4 -58.4 -58.4 -58.6 -58.4	AZN 9.3 10.2 10.3 11.6 9.9 8.9 MS	AZ SUN -82.8 -82.4 -81.3 -81.4 -83.8 -83.4 -81.3 SEC TO 223. AZ SUN -82.8 -82.8 -81.3 -81.3 -81.3	AZA 33.9 33.2 32.7 30.7 33.7 35.7 32.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 30.8 33.7 35.6 32.7	A* 12.2228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626  53  ALT 506.7417  A* 11.72441 11.71255 11.29713 11.81060 12.18418 11.62555 11.29713	B/A A A C 827 C 816 C 817 C 816 C 816 C 816 C 816 C 817 C 81	ZPHAZ -91.3 -87.6 -87.6 -87.3 -93.1 -87.6 PHOTO 1 -26 ZPHAZ -91.3 -90.3 -87.6 -87.3 -87.6 -87.3 -87.6	INCD 68.0 0 69.3 68.2 70.5 68.6 68.2 NO NO CN 530 INCD 68.0 69.2 69.9 66.6 68.2	PHAZ EP 41.3 20 38.6 43 41.0 20 41.0 3 41.0 3 41.0 20 53 2242 PHAZ E 41.4 2 38.6 3 41.0 3 41.0 3 41.0 2 36.4 3 36.4 3 41.0 3	41S ALPHA 8-9 26-1 4-2 29-5 9-7 26-5 9-7 26-5 9-7 26-5 POD R V 1-97 2-35 M1S ALPHA 8-8 26-0 8-1 29-5 9-7 26-5 9-7 26-5 9-7 26-5 9-7 26-5	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391  SEQUENCE N  8 -68.089 1  SCALE 0. 46.09083 38.07149 52.91745 55.08870 46.73982  SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
PHOTO DATA PT LAT LON 1 -10-828 -20-165 2 -11-826 -18-948 3 -11-034 -20-013 4 -10-958 -18-158 5 -12-686 -19-715 7 -11-034 -20-013  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10-814 -20-195 2 -11-786 -19-001 3 -11-026 -20-022 4 -10-952 -18-244 5 -12-611 -17-873 6 -12-610 -19-737 7 -11-026 -20-022  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 583,99195 607,96410 587,30193 614,23547 604,58340 587,30193 22 MIN 5 5 78400 7	AZS/C -54.9 -58.4 -58.4 -58.4 -58.4 -58.4 -58.4 -58.4 -58.6 -58.4	AZN 9.3 10.2 10.3 11.6 9.9 8.9 MS	AZ SUN -82.8 -82.4 -81.3 -81.3 -83.4 -81.3 -83.4 -81.3 -83.4 -81.3 -83.4 -81.3 -83.4 -81.3	AZA 33.9 33.27 30.7 35.7 35.7 35.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 30.8 33.7 35.6 32.7	A* 22288	B/A A 0.026	ZPHAZ -91.3 -90.3 -87.6 -87.6 -93.4 -93.1 -87.6 PHOTO 1 -26 ZPHAZ -91.3 -90.3 -87.6 -87.3 -93.1 -87.6	INCD 68.0 69.2 70.0 CN .530 INCD 68.0 69.2 69.9 9.70.4 68.6 68.2 D NO	PHAZ EP 41.3 20 38.6 4 31 41.0 20 41.0 31 41.0 31 41.0 20 53 2242 PHAZ EP 41.4 2 38.6 3 41.0 3 41.0 3 41.0 3	4IS ALPHA 8-9 26-1 4-2 29-5 9-7 26-5 9-7 26-5 9-7 26-5 POD  R V 197 2-35  MIS ALPHA 8-8 26-6 9-7 26-5 9-7 26-5 9-7 26-5 9-7 26-5 9-7 26-5 9-7 26-5 POD  R V V	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391  SEQUENCE N  8 -68.089 1  SCALE 0. 46.09083 38.07149 52.91745 55.08870 46.73982  SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 10 721
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.826 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022 4 -10.952 -18.244 5 -12.611 -17.873 6 -12.610 -19.737 7 -11.026 -20.022  JULY 31,1964 13 HR	RANGE 583,99195 607,96410 587,30193 614,23547 604,58340 587,30193 22 MIN 5 5 78400 7	AZS/C -54.9 -58.4 -58.4 -58.4 -58.4 -58.4 -58.4 -58.4 -58.6 -58.4	AZN 9.3 10.2 11.6 9.9 8.9 MS 5.5 10.3 11.5 8.9 10.3 10.1 10.3 11.5 8.9 8.9	AZ SUN -82.8 -82.4 -81.3 -81.3 -83.4 -81.3 -83.4 -81.3 -83.4 -81.3 -83.4 -81.3 -83.4 -81.3	AZA 33.9 34.2 32.7 30.7 33.7 35.7 TAB NO IMPACT .614 AZA 33.9 33.2 32.7 30.8 33.7 30.8 33.7 30.8 33.7 30.8 30.7 30.7 30.7 30.7 30.7 30.7 30.7 30.7	A* 12.2228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626  53  ALT 506.7417 11.7125 11.29713 11.10100 12.18418 11.62535 11.29713  54  ALT 492.0256 A*	B/A A 0.026 0.827 0.870 0.816 0.780 0.835 0.870 ATLAS LAT 9 -7.86 B/A A 0.627 0.826 0.870 0.817 0.782 0.870 0.	ZPHAZ -91.3 -97.3 -97.6 -87.6 -93.1 -87.6 -93.1 -87.6 6 PHOTO 1 -26 ZPHAZ -90.3 -87.6 -87.3 -93.1 -87.6 -87.6 -87.6 -93.1 -87.6	INCD 68.0 68.2 70.0 70.530 NO 100.0	PHAZ EP 41.3 20 38.6 43 41.0 23 41.0 3 41.0 25 53 53 2242 PHAZ E 41.4 2 38.6 3 41.0 2 36.4 3 36.4 3 41.0 2 36.4 3 41.0 2	ALS ALPHA 8.9 26.1 4.2 29.5 9.7 26.5 9.7 26.5 8.8 32.4 3.5 25.8 9.7 26.5 POD  R V 1.97 2.35 MIS ALPHA 8.8 26.0 9.7 26.5 9.7 26.5 POD  R V 4.1 29.5 9.7 26.5 POD  R V 4.1 29.5 9.7 26.5 MIS ALPHA 8.8 26.0 MIS ALPHA 8.8 2.36	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391  SEQUENCE N PTH 6-68.089 1  SCALE 0. 46.09083 38.07149 52.91745 51.42211 55.08870 48.73982 SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 8-7 8-7 8-7 8-7 8-7 8-7 8-7 8
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022 4 -10.952 -18.244 5 -12.011 -17.873 6 -12.010 -19.737 7 -11.026 -20.022  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA PT LAT LON 1 -10.805 -20.214	RANGE 583,99195 607,96410 587,30193 614,23547 604,58340 587,30193 22 MIN 5 59,79694 583,19689 663,40707 589,18591 607,64597 579,94269 563,40707	AZS/C -54.9 -58.4 SEC 186 M AZS/C -54.9 -56.8 -59.4 -63.3 155.6 SEC 186 M AZS/C -54.9 -56.8 -58.4 SEC 905 M AZS/C -55.0 AZS/C -55.0	AZN 9.3 10.2 8.9 10.3 8.9 10.3 8.9 10.3 8.9 MS	AZ SUN -82.8 -83.4 -81.3 SEC TO 22381.3 -81.3	AZA 33.9 34.2 32.7 30.7 33.7 35.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 TAB NO IMPACT 894 AZA 33.8	A. 2.2228 17626 1221042 1177626 1211927 117626 53	B/A A A 0.826 C.816 C.816 C.816 C.816 C.816 C.816 C.816 C.817 C.817 C.818 C.817 C.828 C.817 C.818 C.817 C.818 C.817 C.818 C.81	ZPHAZ -91.3 -97.6 -87.6 -87.3 -93.4 -93.1 -87.6 -87.6 -87.6 -87.6 -87.6 -93.1 -93.1 -87.6 -87.3 -93.1 -87.6 -87.6 -87.6 -87.6 -87.3 -93.1 -87.6	INCD 68.0 68.2 70.0 CN .5300 INCD 69.2 69.9 9 70.4 68.2 69.9 9 70.4 68.2 69.9 9 10.2 68.0 CN .392 INCD 68.0 68.2	PHAZ EP 41.3 20 38.6 43 41.0 20 41.0 3 41.0 3 41.0 20 53 2242 PHAZ E 41.4 2 38.6 3 41.0 3 41.0 2 36.4 3 36.4 3 41.0 2	4TS ALPHA 3-9 26-1 4-2 29-5 9-7 26-5 9-7 26-5 9-7 26-5 8-8 32-4 3-5 25-8 9-7 26-5 POD  R V 197 2-35 HTS ALPHA 8-8 26-0 8-7 32-3 3-5 25-8 POD  R V 4-81 2-36 HTS ALPHA 8-8 1 2-36	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N 6-68.089 1 SCALE 0. 9083 38.07149 52.91745 55.42111 55.08870 SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 15.775 PT-PT 0-1 1-2 15.753 PT-PT 0-71
PHOTO DATA PT LAT LON 1 -10-828 -20-165 2 -11-826 -18-948 3 -11-034 -20-013 4 -10-958 -18-158 5 -12-686 -19-715 7 -11-034 -20-013  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10-814 -20-195 2 -11-786 -19-001 3 -11-026 -20-022  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PT LAT LON 1 -10-805 -20-024  PT LAT LON 1 -10-805 -20-024	RANGE 583,99195 607,96410 587,30193 614,23547 604,58340 587,30193 22 MIN 5 59,79694 583,19689 663,40707 589,18591 607,64597 579,94269 563,40707	AZS/C -54.9 -58.4 SEC 186 M AZS/C -54.9 -56.8 -59.4 -63.3 155.6 SEC 186 M AZS/C -54.9 -56.8 -58.4 SEC 905 M AZS/C -55.0 AZS/C -55.0	AZN 9.3 10.2 8.9 10.3 8.9 10.3 8.9 10.3 8.9 MS	AZ SUN -82.8 -83.4 -81.3 SEC TO 22381.3 -81.3	AZA 33.9 34.2 32.7 30.7 33.7 35.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 TAB NO IMPACT 894 AZA 33.8	A. 2.2228 17626 1221042 1177626 1211927 117626 53	B/A A A 0.826 C.816 C.816 C.816 C.816 C.816 C.816 C.816 C.817 C.817 C.818 C.817 C.828 C.817 C.818 C.817 C.818 C.817 C.818 C.81	ZPHAZ -91.3 -97.6 -87.6 -87.3 -93.4 -93.1 -87.6 -87.6 -87.6 -87.6 -93.4 -93.1 -93.3 -93.3 -93.1 -87.6 -87.6 -87.6 -87.6 -87.6 -87.3 -93.1 -87.6	INCD 68.0 68.2 70.0 CN .5300 INCD 69.2 69.9 9 70.4 68.2 69.9 9 70.4 68.2 69.9 9 10.2 68.0 CN .392 INCD 68.0 68.2	PHAZ EP 41.3 20 38.6 43 41.0 20 41.0 3 41.0 3 41.0 20 53 2242 PHAZ E 41.4 2 38.6 3 41.0 3 41.0 2 36.4 3 36.4 3 41.0 2	4TS ALPHA 3-9 26-1 4-2 29-5 9-7 26-5 9-7 26-5 9-7 26-5 8-8 32-4 3-5 25-8 9-7 26-5 POD  R V 197 2-35 HTS ALPHA 8-8 26-0 8-7 32-3 3-5 25-8 POD  R V 4-81 2-36 HTS ALPHA 8-8 1 2-36	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N 6-68.089 1 SCALE 0. 9083 38.07149 52.91745 55.42111 55.08870 SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 HO 721
PHOTO DATA PT LAT LON 1 -10-828 -20-165 2 -11-826 -18-948 3 -11-034 -20-013 4 -10-958 -18-158 5 -12-686 -19-715 7 -11-034 -20-013  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10-814 -20-195 2 -11-786 -19-001 3 -11-026 -20-022  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 1 -10-814 -20-195 2 -11-786 -19-001 3 -11-026 -20-022  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10-805 -20-024  PT LAT LON 1 -10-805 -20-024  PT LAT LON 1 -10-805 -20-024  PT LAT LON 1 -10-805 -20-024 4 -10-905 -20-029	RANGE 583,99195 607,96410 587,30193 614,23547 504,58340 587,30193 22 MIN 5 5 78,79694 583,19689 663,40707 589,18591 607,64597 579,94269 563,40707 22 MIN 11 :	AZS/C -54.9 -58.4 -63.3   -56.8 -55.6   -55.6   -55.6   -55.6   -56.8   -63.2	AZN 9.3 10.2 11.6 9.9 9.9 8.9 MS	AZ SUN -82.8 -82.8 -81.3 -81.4 -81.3 SEC TO 223. AZ SUN -82.4 -81.3 SEC TO 216. AZ SUN -82.8 -83	AZA 33.9 34.2 32.7 30.7 33.7 35.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 TAB NO IMPACT .894 AZA 33.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34	A. 2228 2.221042 11.77626 12.31272 12.70358 12.11927 11.77626 53 ALT 506.7417 11.7255 11.29713 11.61060 12.18418 11.62555 11.29713 54 ALT 492.0256 A. 11.39101 11.37938 11.37938 11.37938 11.37938	B/A A 0.026	ZPHAZ -91.3 -87.6 -87.3 -93.4 -93.1 -87.6 PHOTC 1 -26 -27.3 -90.3 -87.6 S PHOTC ZPHAZ -91.3 -93.4 -93.1 -93.1 -87.6 S PHOTC	INCD 68.0 68.2 70.0 68.6 68.2 INCD 68.0 68.2 69.2 68.2 INCD 68.6 69.2 69.2 68.2 69.2 68.2 69.2 68.2 68.2 69.2 68.2 69.2 68.2 69.2 68.2 68.2 69.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68	PHAZ E/ 41.3 2( 36.4 3) 36.4 3( 41.0 3) 41.0 2( 53 2242 PHAZ E/ 41.4 2 38.6 3 41.0 2 36.4 3 41.0 2	ALS ALPHA 8.9 26.1 4.2 29.5 9.7 26.5 9.7 26.5 1.4 33.0 8.8 32.4 3.5 25.8 9.7 26.5 POD  R V .197 2.35 MIS ALPHA 8.8 26.0 4.1 29.5 9.7 26.5 9.7 26.5 POD  R V .481 2.36 MIS ALPHA 8.7 25.5 MIS ALPHA 8.7 25.5 MIS ALPHA 8.7 26.5 POD  R V .481 2.36 MIS ALPHA 8.7 25.5 8.7 26.5 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82533 SEQUENCE N 8-68.089 1 SCALE 0. 46.09083 38.07149 52.91745 51.42111 55.08870 48.73992 SEQUENCE N	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 10 721 AZ 15.753 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 10 721
PHOTO DATA PT LAT LON 1 -10.828 -20.165 2 -11.820 -18.948 3 -11.034 -20.013 4 -10.958 -18.158 5 -12.686 -17.770 6 -12.686 -19.715 7 -11.034 -20.013  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.195 2 -11.786 -19.001 3 -11.026 -20.022 4 -10.952 -18.244 5 -12.611 -17.873 6 -12.610 -19.737 7 -11.026 -20.022  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.814 -20.022  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 1 -10.805 -20.022 4 -10.948 -18.302 5 -12.559 -17.943	RANGE 583, 99195 607, 96410 587, 30193 614, 23547 604, 58340 587, 30193 22 MIN 5 5 787, 30193 22 MIN 5 5 787, 30193 787, 30193 788, 40707 789, 18591 607, 64597 579, 94269 634, 40707 789, 18591 679, 94269 679,	AZS/C -54.9 -58.4 -63.3 1 -58.4 -63.3 1 -58.4 -63.3 1 -58.4 -63.3 1 -58.4 -63.3 1 -58.4 -63.3 1 -58.4 -63.3 1 -58.4 -63.3 1 -58.4 -63.3 1 -58.4 -63.3 2 -55.6 -56.4 -63.2 -55.6 -55.6 -55.5 -56.4 -63.2 -55.5 -55.6 -55.5 -55.6 -55.5 -55.	AZN 9.3 10.1 8.9 10.1 8.9 10.1 8.9 10.1 8.9 10.1 8.9 10.1 8.9 10.1 8.9 10.1 8.9 10.1 8.9 10.1 11.5 10.1 11.1 11.1 11.1 11.1 11.1	AZ SUN -82.8 -82.4 -81.3 -81.4 -81.3 -81.4 -81.3 SEC TO 223. AZ SUN -82.8 -82.4 -81.3 SEC TO 223.8 -81.3	AZA 33.9 34.2 32.7 30.7 33.7 35.7 TAB NO IMPACT. 614 AZA 33.9 33.2 32.7 35.6 32.7 TAB NO IMPACT. 894 AZA 33.8 33.8 33.8 33.8 33.8 33.8 33.8 33.	A* 12.228 12.21042 11.77626 12.31272 12.70358 12.11927 11.77626  53  ALT 506.7417  A* 11.72441 11.71255 11.29713 11.81060 12.18418 11.62535 11.29713  54  ALT 492.0256	B/A A A 0.826	ZPHAZ -91.3 -99.4 -99.11 1 -26	INCD 68.0 68.2 70.6 68.0 66.2 69.9 900 00 00 .392 INCD 68.0 68.2 69.9 66.6 68.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69	PHAZ E/ 41.3 2( 38.6 4) 41.0 2( 36.4 3) 36.4 3) 41.0 3( 41.0 3) 41.0 2( PHAZ E/ 41.4 2) 36.4 3) 41.0 2( 36.4 3) 41.0 2( 36.4 3) 41.0 2( 36.4 3) 41.0 2( 36.4 3) 41.0 2( 36.4 3) 41.0 3( 41.6 4) 36.4 3( 36.4 3) 41.0 3( 41.6 4)	#IS ALPHA #IS 26-1 #IS 26-1 #IS 26-1 #IS 26-1 #IS 26-1 #IS 26-1 #IS ALPHA #IS ALPHA #IS ALPHA #IS 32-4 #IS 32-4 #IS 32-9 #IS ALPHA #IS 32-9 #IS 32-	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391 SEQUENCE N  PTH 8 -68.089 1 SCALE 0. 46.09083 38.07149 52.91745 55.08870 48.73982 SEQUENCE N  PTH 4 -67.995 1 SCALE 0. 4 5.32444 3 6.97711 5 5.1.9277 4 9.93927	PT-PT 0-1 1-2 2-3 3-4 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 721 AZ 15.775
PHOTO DATA PT LAT LON 1 -10-828 -20-165 2 -11-826 -18-948 3 -11-034 -20-013 4 -10-958 -18-158 5 -12-686 -19-715 7 -11-034 -20-013  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10-814 -20-195 2 -11-786 -19-001 3 -11-026 -20-022  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 1 -10-814 -20-195 2 -11-786 -19-001 3 -11-026 -20-022  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10-805 -20-024  PT LAT LON 1 -10-805 -20-024  PT LAT LON 1 -10-805 -20-024  PT LAT LON 1 -10-805 -20-024 4 -10-905 -20-029	RANGE 583,99195 607,96410 587,30193 614,23547 504,58340 587,30193 22 MIN 5 5 78,79694 583,19689 663,40707 589,18591 607,64597 579,94269 563,40707 22 MIN 11 :	AZS/C -54.9 -58.4 -63.3   -58.4   -58.6   SEC 186   AZS/C -54.9 -58.4   -63.2   -55.6   -58.4   -63.2   -55.6	AZN 9.3 10.1 AZN 9.3 10.1 AZN 9.3 10.1 8.9 8.9 MS	AZ SUN -82.8 -82.8 -81.3 -81.4 -81.3 SEC TO 223. AZ SUN -82.4 -81.3 SEC TO 216. AZ SUN -82.8 -83	AZA 33.9 34.2 32.7 30.7 33.7 35.7 TAB NO IMPACT 614 AZA 33.9 33.2 32.7 TAB NO IMPACT 894 AZA 33.8 33.2 35.6 32.7 TAB NO IMPACT 894 AZA 33.8 33.6 33.7 35.6 32.7 35.6 37.7 37.8 3	A* 12-228 12-21042 11-77626 12-31272 12-70358 12-11927 11-77626  53  ALT 506-7417 11-72441 11-7125 11-29713 11-81000 12-18418 11-62535 11-29713 54  ALT 492-0256 A* 11-37983 1C-97620 11-37983 1C-97620 11-37983 11-3411-3411 11-38441 11-38461	B/A A 0.826	ZPHAZ -91.3 -87.6 -87.3 -93.4 -93.1 -87.6 : PHOTC -87.3 -91.3 -90.3 -91.3	INCD 68.0 68.2 70.0 68.0 68.2 NO NO INCD 68.0 69.2 68.2 INCD 68.0 69.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68	PHAZ EP 41.3 20 38.6 43 41.0 23 41.0 3 41.0 23 53 2242 PHAZ EP 41.4 2 38.6 3 41.0 3 41.0 3 41.0 2 36.4 3 36.4 3 41.0 3 41.0 2 36.4 3 36.4 3 41.0 3 41	ALS ALPHA 8.9 26.1 4.2 29.5 9.7 26.5 9.7 26.5 1.4 33.0 8.8 32.4 3.5 25.8 9.7 26.5 POD  R V .197 2.35 MIS ALPHA 8.8 26.0 4.1 29.5 9.7 26.5 9.7 26.5 POD  R V .481 2.36 MIS ALPHA 8.7 25.5 MIS ALPHA 8.7 25.5 MIS ALPHA 8.7 26.5 POD  R V .481 2.36 MIS ALPHA 8.7 25.5 8.7 26.5 9.7 26.5	SCALE 0. 47.14389 39.70527 55.19396 53.63494 57.47553 50.82391  SEQUENCE N  8-68.089 1  SCALE 0. 46.09083 38.07149 52.91745 55.08870 48.73982  SEQUENCE N  PTH 4-67.995 1 5 CALE 0. 45.334407 36.97711 51.39275 24.933951 53.44907	PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 713 AZ 15.775 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 10 721 AZ 15.753 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 10 721

				RA-VII	CAMERA	Р3						.10
***					TAB NO	55	ATLAS	PHOTO NO	55	POD S	EQUENCE NO	727
JULY 31,1964 13 HR	22 MIN 16	SEC 945	MS									
TRAJECTORY DATA					IMPACT	ALT 480.96954	LAT -7.977	LCN -26.287	R 2216.425	V 2.369	PTH	
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A+	B/A AZP	PHAZ INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
1 -10.798 -20.228	531.46844	-55.0	9.3	-82.8	33.8	11.14035	0.827 -9	91.3 67.9	41.5 28.7	25.9	0.	0- 1
2 -11.737 -19.065 3 -11.015 -20.034				-81.3					38.6 34.0 41.0 29.7		44.75374 36.15496	
4 -10.945 -18.346 5 -12.520 -17.996			10.3	-81.3	30.9	11.22160	0.818 -6	87.3 69.8	36.4 35.2	32.8	50.24763	
6 -12.520 -17.996	551.03997	-50.2	9.9	-83.4	35.5	11.04599	0.836 -9	93.0 68.6	36.4 38.5 41.0 33.4	25.8	48.82662 52.29101	5- 6
7 -11.015 -20.034		-58.4	8.9	-83.4 -81.3		10.73508	0.870 -8	87.6 68.1	41.0 29.7	26.5	46.29612.	6- 7
JULY 31,1964 13 HR			MS		TAB NO	56	ATLAS	PHOTO NO	56	POD S	EQUENCE NO	735
TRAJECTORY DATA						ALT		LON -26 145	R 2201.658	V 275		AZ 5. 714
PHOTO DATA PT LAT LON 1 -10.789 -20.247 2 -11.708 -19.102 3 -11.008 -20.042 4 -10.941 -18.405 5 -12.468 -18.067 6 -12.468 -19.781				. 200	• • • • •	400.20300	0.017	-20.143	2201,030	2.313	-014020.11	24149
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA 33.8	A* 10.80531	0.828 -S	PHAZ INCD	PHAZ EMIS	ALPHA 25 R	SCALE	PI-PI
2 -11.708 -19.102	537.47293	-56.8	ــــــــــــــــــــــــــــــــــــــ	-82.4	_33.2	10.79463	0,829 -9	90.3 69.1	38-6 34-0	29.4	43.95808	1- 2
3 -11.008 -20.042	519.29488	-58.4	8.9	-81.3	32.7	10.41262	0.870 -6	87.6 68.1	41.0 29.7	26.5	35.05666	2- 3
5 -12.468 -18.067	559.84360	-55.6	11.4	-83.7	33.6	11.22567	0.785 -9	93.4 70.2	36.4 38.4	32.1	47.33982	4- 5
6 -12.468 -19.781	2200-40012	50.2	9.8	-83.4	35.4	10.71365	0.837 -9	93.0 68.5	41.0 33.3	25.8	50.68914	-56.
7 -11.008 -20.042	519.29488	-30.4	0.7	-81.3	32.7	16.41202	0.010 -	5. 6 MA-1	41.0 29.7	26.5	44.89496	6- 7
JULY 31,1964 13 HR	22 MIN 27				TAB NO	57	ATLAS I	PHOTO NO	57	POD S	EQUENCE NO	739
TRAJECTORY DATA					IMPACT	ALT 458_80905	LAT 5 -8-079	LON -26.074	R 2194-264	. V 2.378	PTH -67.779 11	AZ 5-703
PHOTO DATA								<u>-</u> -				
PT LAT LCN 1 -10-785 +20-256	RANGE 507-09865	AZS/C ~55-0	AZN Q.3	AZ SUN	AZA 33.8	A# 10-63739	0-828 -9	2HAZ INCD	PHAZ EMIS	ALPHA 25 P	SCALE 0.	PT-PT 01
1 -10.785 -20.256 2 -11.694 -19.121 3 -11.005 -20.046 4 -10.938 -18.435 5 -12.442 -18.102	529.11984	-56.9	10.1	-82.4	33.1	10.62687	0.829 -	90.3 69.1	38.6 34.0	29.3	43.54897	1- 2
3 -11.005 -20.046	511.23521	-58.4	8.9	-61.3	32.7	10.25101	0.870 -6	87.6 68.1	41.0 29.7	26.4	34.50647	
5 -12.442 -18.102	551.11379	-63.1 -55.6	11.4	-81.3	33.6	11.05063	0.819 -	93.4 70.2	36.4 35.1 36.4 38.4	32.7	47.95191 46.59514	
0 -12.442 -19.789	250.12158	-50.3	9.8	-83.4	37.4	10.54/10	0.831 -	93.0 68.5	41.0 33.3	25.8	49.88699	5- 6
7 -11.005 -20.046	511.23521		8.9	-81.3	32.7	10-251C1	C.87C -8	87.6 68.1	41.0 29.7	26.4	44.19300	6- 7
JULY 31,1964 13 HR	22 MIN 32	SEC 64	MS		TAB NO	58		PHOTO NO	58	POD S	EQUENCE NO	
	22 MIN 32			SEC TO	IMPACT	<b>58</b>	ATLAS	PHOTO NO	58	v	PTH	745 AZ
TRAJECTORY DATA				SEC TO		<b>58</b>	ATLAS	PHOTO NO	58	v		745 AZ
TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN	SEC TO 196	IMPACT .735	ALT 447.70450	LAT C ~8.130	LUN -25.966 PHAZ INCD	R 2183.166 PHAZ EMIS	V 2.383	PTH -67.706 11 SCALE	AZ .5.686
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.778 -20.270	RANGE 494.88311	AZS/C -55.0	AZN 9.3	SEC TO 196 AZ SUN -82.8	IMPACT •735 AZA 33•8	ALT 447.70450 A* 10.38492	LAT -8.130 B/A AZI 0.828 -4	LUN -25.966 PHAZ INCD 91.3 67.9	R 2183.160 PHAZ EMIS 41.6 28.5	V 2.383 ALPHA 25.7	PTH -67.706 11 SCALE 0.	AZ .5.686 PT-PT 0- 1
TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.778 -20.270 2 -11.672 -19.150 3 -11.000 -20.053	RANGE 494.88311 516.55975 499.11663	AZS/C -55.0 -56.9	AZN 9.3 _10_1	SEC TO 196 AZ SUN -82.8 -82.4 -81.3	IMPACT .735 AZA 33.8 33.1	ALT 447.70456 A* 10.38492 10.37461 10.00802	LAT C ~8.130 B/A AZI 0.828 ~9 0.830 ~9 0.870 ~9	LON -25.966 PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1	R 2103.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7	V 2.383 ALPHA 25.7 29.3 26.4	PTH -67.706 11 SCALE 0. 42.91109 33.67896	AZ 5.686 PI-PI 0-1 1-2 2-3
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.778 -20.270 2 -11.672 -19.150 3 -11.000 -20.053 4 -10.934 -18.480	RANGE 494.88311 516.55975 499.11663 521.80185	AZS/C -55.0 -56.9 -58.4 -63.1	AZN 9.3 -10.1 8.9 10.2	SEC TO 196 AZ SUN -82.8 -82.4 -81.3 -81.3	IMPACT .735 AZA 33.8 33.1 32.7 31.0	ALT 447.70456 10.38492 10.37461 10.00862 10.45969	ATLAS   LAT	PHOTO NO  LON -25.966  PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1	V 2.383 ALPHA 25.7 29.3 26.4 32.7	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.486  5 -12.402 -18.157	RANGE 494.88311 516.55975 499.11663	AZS/C -55.0 -56.9 -58.4 -63.1 -55.6	AZN 9.3 -10.1 8.9	SEC TO 196 AZ SUN -82.8 -81.3 -81.3 -83.7	IMPACT .735 AZA 33.8 .33.1 .32.7 31.0 33.6	ALT 447.70456 A. 10.38492 10.37461 10.00802 10.45969 10.78744	ATLAS   LAT	LON -25.966 PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0	PTH -67.706 11 SCALE 0. 42.91109 33.67896	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.270 2 -11.672 -19.150 3 -11.000 -20.053 4 -10.934 -18.486 5 -12.402 -18.157	RANGE 494.88311 516.55975 499.11663 521.80185 537.98784	AZS/C -55.0 -56.9 -58.4 -63.1 -55.6 -50.3	AZN 9.3 -10.1 8.9 10.2 11.4	SEC TO 196 AZ SUN -82.8 -82.4 -81.3 -81.3	1MPACT .735 AZA 33.8 .33.1 .32.7 31.0 33.6 35.3	ALT 447.70456 A. 1C.38492 1C.37461 1C.008C2 1C.45969 1C.78744 1C.29668	ATLAS   LAT	LGN -25.966 PHAZ INCD 90.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7 93.4 70.1	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053	RANGE 494.88311 516.55975 499.11663 521.60185 537.98784 513.65851 499.11663	AZS/C -55.0 -56.9 -58.4 -63.1 -55.6 -50.3 -58.4	AZN 9.3 -10.1 8.9 10.2 11.4 9.8	SEC TO 196 AZ SUN -82.8 -81.3 -81.3 -83.7 -83.4	1MPACT .735 AZA 33.8 .33.1 .32.7 31.0 33.6 35.3	ALT 447.70456 A. 1C.38492 1C.37461 1C.008C2 1C.45969 1C.78744 1C.29668	ATLAS   LAT   C -8.130   B/A AZI   C .828   -9   C .870   -1   C .826   -9   C .786   -9   C .837   -9   C .837   -9   C .870   -1   C .837   -1     C .837   -1     C .837   -1     C .837   -1     C .837   -1     C .837   -1     C .837   -1     C .837   -1     C .837   -1     C .837   -1     C .837   -1     C .837   -1	LGN -25.966 PHAZ INCD 90.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7 93.4 70.1	R 2103.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 33.3	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.48C  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053	RANGE 494.88311 516.55975 499.11663 521.60185 537.98784 513.65851 499.11663	AZS/C -55.0 -56.9 -58.4 -63.1 -55.6 -50.3 -58.4	AZN 9.3 -10.1 8.9 10.2 11.4 9.8	SEC TO 196 AZ SUN -82.4 -81.3 -81.3 -83.7 -83.4 -81.3	IMPACT .735 AZA 33.8 .33.1 .32.7 31.0 33.6 .35.3 .32.7 TAB NO	ALT 447.70456 10.38492 10.37461 10.00802 10.45969 10.78744 10.29668 10.00802	LAT C -0.130  B/A A21 0.828 -0 0.830 -0 0.820 -0 0.820 -0 0.820 -0 0.870 -0 0.870 -0 ATLAS	PHOTO NO  LON -25.966  PHAZ INCO 91.3 67.9 90.3 69.1 87.6 68.1  PHOTO NO	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 35.1 36.4 35.1 36.4 35.1 36.4 35.1	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079 43.13765	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 494.88311 516.55975 499.11663 521.80185 537.98784 513.65851 499.11663	AZS/C -55.0 -56.9 -58.4 -63.1 -55.6 -50.3 -58.4	AZN 9.3 -10.1 8.9 10.2 11.4 9.8	SEC TO 196 AZ SUN -82.8 -82.4 -81.3 -81.3 -83.4 -81.3	IMPACT .735 AZA 33.8 .33.1 .32.7 31.0 33.6 .35.3 32.7	ALT 447.70456 Ae 1C.38492 1C.37461 1C.00862 1C.45969 1C.78744 1C.29668 1C.00862	ATLAS  LAT C -8.130  B/A AZI 0.828 -0 0.830 -0 0.870 -0 0.826 -0 0.826 -0 0.827 -0 0.827 -0 0.827 -0 ATLAS	PHOTO NO  LON -25.966  PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7 93.4 70.1 93.0 68.5 87.6 68.1	58  R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 36.1 36.4 38.1 36.4 38.1 36.4 38.1	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079 43.13765	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6-7 751
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 513.65851 499.11663	AZS/C -55.0 -56.9 -58.4 -63.1 -55.6 -50.3 -58.4	AZN 9.3 10.1 8.9 10.2 11.4 9.8 8.9	SEC TO 196 AZ SUN -82.8 -81.3 -81.3 -83.7 -83.7 -81.3 SEC TO 191	IMPACT .735  AZA 33.8 .33.1 .32.7 31.0 33.6 .35.3 32.7  TAB NO IMPACT .696	ALT 447.7045(4 47.7045)(4 47.7045	ATLAS   LAT   C -8.130   8/A   AZ   C   0.828   -1   C   0.830   -1   C   0.870   -1   0.	PHOTO NO  LON -25.966 PHAZ INCD 91.3 67.9 90.3 69.7 87.6 68.1 87.3 69.7 93.4 70.1 87.6 68.1 PHOTO NO  LCN -25.856	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 35.1 36.4 35.1 36.4 35.1 75.9 R 2172.031	V 2.383  ALPHA 25.7 29.3 26.4 32.7 32.0 26.4 POD S	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079 43.13765 EQUENCE NO	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 ) 751
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284	RANGE 494-88311 516-55975 499-11663 521-80185 537-98784 513-65851 499-11663 22 MIN 37	AZS/C -55.0 -56.9 -58.4 -63.1 -55.6 -50.3 -58.4 SEL 10+	AZN 9.3 10.1 8.9 10.2 11.4 9.8 8.9	SEC TO 196  AZ SUN -82.8 -81.3 -81.3 -81.3 -83.4 -81.3	1MPACT .735  AZA 33.8 .33.1 .32.7 .31.0 .33.6 .35.3 .32.7  TAB NO 1MPACT .696	ALT 447-70450 A. 10.38492 10.37461 10.00802 10.45969 10.00802 59 ALT 436-5830	ATLAS  LAT  -6.130  B/A AZI 0.8281 0.8201 0.8201 0.8201 0.8201 0.8271 0.8271 0.8701  ATLAS  LAT 1 -8.182	PHOTO NO  LON -25.966 PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 35.3 41.0 33.3 41.0 29.7 59 R 2172.031	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S V 3.2388	PTH -67-706 11 SCALE 0. 42-91109 33.67896 46.79956 45.47573 48.68079 43.13765 EQUENCE NO	745  AZ 5.686  PI-PI 0-1 1-2 2-3 3-4 4-5 5-6-7  751  AZ PI-PI 0-1 0-7 0-7 0-7 0-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179	RANGE 494.88311 516.559.75 499.11663 521.00185 537.98784 513.65851 499.11663 22 MIN 37	AZS/C -55.0 -56.9 -58.4 -63.1 -55.6 -50.3 -58.4 SEL 10+	AZN 9.3 10.1 8.9 10.2 11.4 9.8 8.9	SEC TO 196 AZ SUN -82.8 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3	AZA 33.8 33.1 32.7 31.0 33.6 35.3 32.7 TAB NO	ALT 447.7045(47.7045)	ATLAS   LAT   C -8.130   B/A   AZI   O.828   -1   O.828   C -1   O.820   C -1   O.820   C -1   O.870   C -1   O.829   C -1   O.830	PHOTO NO  LON -25.966  PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7 93.4 70.1 87.6 68.1  PHOTO NO  LCN -25.856  PHAZ INCD 91.3 67.9 90.3 69.9	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 36.3 41.0 29.7 59 R 2172.031 PHAZ EMIS 41.6 28.4 88.7 33.9	V 2.383  ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4  POD S V 2.388  ALPHA 25.7 29.3	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079 43.13765 SEQUENCE NO	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 751 AL 5.669 PI-PI 0-1 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 513.65851 499.11663 22 MIN 37  RANGE 482.64626 503.96662 486.96603 509.06861	AZS/C -55.0 -58.4 -63.1 -55.6 -50.3 -58.4 SEL 104 AZS/C -55.0 -56.9 -58.4	AZN 9.3 10.1 8.9 10.2 11.4 9.8 8.9 AZN 9.3 10.0 8.9	SEC TO 196 AZ SUN -82.8 -81.3 -83.7 -83.4 -81.3 SEC TO 191 AZ SUN -82.8 -82.8 -81.3	1MPACT .735 AZA 33.8 33.1 32.7 31.0 33.6 35.3 32.7 TAB NO	ALT 447.70450 10.38492 10.38492 10.00802 10.00802 59 ALT 436.5830 10.13177 10.13177 10.13177 10.12169 9.76438	ATLAS  LAT  C -8.130  B/A AZI  O.826 -1  O.826 -1  O.820 -1  O.870 -1  O.870 -1  ATLAS  LAT  1 -8.182  B/A AZI  O.829 -1  O.820 -1	PHOTO NO  LON -25.966  PHAZ INCD 90.3 67.9 90.3 69.1 87.6 68.1 87.6 68.1 93.0 68.5 87.6 68.1  PHOTO NO  LCN -25.856  PHAZ INCD 91.3 67.9 90.3 69.0 87.6 68.1	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 29.7 59 R 2172.031 PHAZ EMIS 41.6 28.4 41.6 28.4 41.0 29.7 41.6 28.4 41.0 39.3	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S V 2.388 ALPHA 25.7 29.3 26.4	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079 43.13765 SEQUENCE NO PTH -67.632 11 SCALE 0. 42.25082 32.84938 45.64442	745  AZ 5.686  PI-PT 0-1 1-2 2-3 3-4 4-5 6-7  751  AL 5.669  PT-PT 0-1 1-2 2-3 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526  5 -12.362 -18.211	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 513.65851 499.11663 22 MIN 37 RANGE 482.64626 503.96662 503.96663 509.06861 524.82880	AZS/C -55.6-9 -56.9 -63.1 -55.6 -50.3 -58.4 -50.3 -58.4 -55.6 -56.9 -56.9 -56.9	AZN 9.3 10.1 8.9 10.2 11.4 9.8 8.9 AZN 9.3 10.0 8.9 10.2	SEC TO 196 AZ SUN -82.8 -81.3 -81.3 -81.3 -83.7 -83.4 -81.3 SEC TO 191 AZ SUN -82.8 -82.8 -82.8 -82.8 -82.8	IMPACT .735  AZA 33.8 .33.1 .32.7 .31.0 .33.6 .35.3 .32.7  TAB NO IMPACT .696  AZA 33.8 .33.1 .32.7 .31.0 .33.6 .33.1 .32.7 .31.0 .33.6 .3	ALT 447-7045( A* 10.38492 10.37646 10.00862 10.4874 10.29668 10.00862 59 ALT 436-5830( 10.13177 10.12169 9.76438 10.20465	ATLAS  LAT  -8.130  8/A AZI 0.028 -10.027  -10.022 -1 0.022 -1 0.027  -3.10 -3	PHOTO NO  LON -25.966 PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD 91.3 67.9 90.3 69.0 87.3 69.0 87.3 69.0 87.3 69.0	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9. 41.0 29.7 36.4 38.3 41.0 29.7 59  R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 36.4 38.3	V 2.383 ALPHA 25.7 29.3 26.4 32.0 25.7 26.4 POD S ALPHA 25.7 29.3 26.4 32.6 32.6 32.6 43.7	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079 43.13765 EQUENCE NO -67.632 11 SCALE 0. 42.25082 32.84938 45.64442 44.25385	745  AZ 5.686  PI-PI 0-1 1-2 2-3 3-4 4-5 5-6-7  751  AZ 5.669  PI-PI 0-1 1-2 2-3 3-4 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526	RANGE 494-88311 516-55975 499-11663 521-80185 537-98784 513-65851 499-11663 22 MIN 37 RANGE 482-64626 503-96662 486-96603 509-6861 524-82880 501-13346	AZS/C -55.09 -58.4 -63.1 -55.6 -50.3 -58.4 SEL 104 AZS/C -55.0 -56.9 -63.1 -55.3	AZN 9.3 10.1 8.9 10.2 11.4 9.8 8.9 AZN 9.3 10.0 8.9	SEC TO 196 AZ SUN -82.8 -81.3 -81.3 -81.3 -83.7 -83.4 -81.3 SEC TO 191 AZ SUN -82.8 -82.8 -82.8 -82.8 -82.8	AZA 33.8 33.8 33.1 22.7 31.0 35.3 32.7 TAB NO IMPACT .696 AZA 33.8 33.1 32.3 32.1 33.6 33.1 33.1 33.1 33.1 33.1 33.1 35.3 32.7	ALT 447.70450 10.38492 10.37461 10.00802 10.40802 10.00802 59 ALT 436.5830 10.1217 10.1217 10.1217 10.1217 10.12169 9.76438 10.20465 10.20465 10.20465	ATLAS  LAT  -8.130  B/A AZI 0.826 -1.	PHOTO NO  LON -25.966 PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7 93.4 70.1 93.0 68.5 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD 91.3 67.9 91.3 67.9 91.3 69.0 87.6 68.1	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 29.7 59 R 2172.031 PHAZ EMIS 41.6 28.4 41.6 28.4 41.0 29.7 41.6 28.4 41.0 39.3	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S 3 2.388 ALPHA 25.7 29.3 26.6 31.9 25.7	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079 43.13765 SEQUENCE NO PTH -67.632 11 SCALE 0. 42.25082 32.84938 45.64442	AZ 5.686 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 751 AL 1-2 1-2 1-3 1-2 1-3 1-4 1-5 1-1 1-1 1-1 1-1 1-1 1-1 1-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.065  5 -12.362 -18.211  6 -12.363 -19.816	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 413.65851 499.11663 22 MIN 37 RANGE 482.64626 603.96662 486.96603 504.82880 501.13346 486.96603	AZS/C -55.0 -58.4 -63.1 -55.6 -50.3 -58.4 -63.1 -55.0 -56.9 -56.0 -56.0 -56.0 -56.3 -58.4 -63.1 -55.7 -50.3 -58.4	AZN 9.3 10.1 8.9 10.2 11.4 9.8 8.9 AZN 9.3 10.0 8.9 10.2 11.3 9.8	SEC TO 12 SUN -82.8 -82.4 -81.3 -81.3 -83.7 -83.4 -81.3 SEC TO 191  AZ SUN -82.8 -82.4 -81.3 -83.7 -83.7 -83.7 -83.7	AZA 33.8 33.8 33.1 32.7 31.0 35.3 32.7 TAB NO IMPACT .696  AZA 33.8 33.1 32.7 TAB NO	ALT 447-70450  A* 10.38492 10.37612 10.00802 10.4874 10.29668 10.00802  ALT 436-5830  A* 10.13177 10.12169 9.76438 10.00451 9.76438	ATLAS  LAT  -0-130  B/A AZI 0.028 -1 0.020 -1 0.020 -1 0.020 -1 0.020 -1 0.020 -1 0.00 ATLAS  LAT 1 -8-182  B/A AZI 0.029 -1 0.020 -1 0.02	PHOTO NO  LON -25.966  PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.6 68.1  PHOTO NO  LCN -25.856  PHAZ INCD 93.4 70.1 93.0 68.5 87.6 68.1  PHOTO NO  PHAZ INCD 90.3 69.0 87.6 68.1  87.3 69.6 87.6 68.1	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 33.3 41.0 29.7 59  R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 36.4 38.0 36.4 38.0 41.0 29.7	V 2.383 ALPHA 25.7 29.3 26.4 POD \$ 2.388 ALPHA 32.7 32.0 V 25.7 26.4 POD \$ 3.288 ALPHA 25.7 29.3 26.4 32.6 32.6 32.6 25.7 26.4 POD \$	PTH -67-706 11 SCALE 0. 42-91109 33-67896 46-79956 45-47573 48-68079 43-13765 EQUENCE NO PTH -67-632 11 SCALE 0. 42-25082 32-84938 45-64442 44-25385 47-47194 42-07990 SEQUENCE NO	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-751 AZ 5.669 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-751
TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.778 -20.270 2 -11.672 -19.150 3 -11.000 -20.053 4 -10.934 -18.480 5 -12.402 -18.157 6 -12.403 -19.802 7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.772 -20.284 2 -11.651 -19.179 3 -10.994 -20.060 4 -10.931 -18.526 5 -12.362 -18.211 6 -12.363 -19.816 7 -10.994 -20.060  JULY 31,1964 13 HR	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 413.65851 499.11663 22 MIN 37 RANGE 482.64626 603.96662 486.96603 504.82880 501.13346 486.96603	AZS/C -55.0 -58.4 -63.1 -55.6 -50.3 -58.4 -63.1 -55.0 -56.9 -56.0 -56.0 -56.0 -56.3 -58.4 -63.1 -55.7 -50.3 -58.4	AZN 9.3 10.1 8.9 10.2 11.4 9.8 8.9 AZN 9.3 10.0 8.9 10.2 11.3 9.8	SEC TO 12 SUN -82.8 -82.4 -81.3 -81.3 -83.7 -83.4 -81.3 SEC TO 191  AZ SUN -82.8 -82.4 -81.3 -83.7 -83.7 -83.7 -83.7	AZA 33.8 33.8 33.1 32.7 31.0 35.3 32.7 TAB NO IMPACT .696  AZA 33.8 33.1 32.7 TAB NO	ALT 447-70450  A* 10.38492 10.37612 10.00802 10.4874 10.29668 10.00802  ALT 436-5830  A* 10.13177 10.12169 9.76438 10.00451 9.76438	ATLAS  LAT  -0-130  B/A AZI 0.028 -1 0.020 -1 0.020 -1 0.020 -1 0.020 -1 0.020 -1 0.00 ATLAS  LAT 1 -8-182  B/A AZI 0.029 -1 0.020 -1 0.02	PHOTO NO  LON -25.966  PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.6 68.1  PHOTO NO  LCN -25.856  PHAZ INCD 93.4 70.1 93.0 68.5 87.6 68.1  PHOTO NO  PHAZ INCD 90.3 69.0 87.6 68.1  87.3 69.6 87.6 68.1	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 33.3 41.0 29.7 59  R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 36.4 38.0 36.4 38.0 41.0 29.7	V 2.383 ALPHA 25.7 29.3 26.4 POD \$ 2.388 ALPHA 32.7 32.0 V 25.7 26.4 POD \$ 3.288 ALPHA 25.7 29.3 26.4 32.6 32.6 32.6 25.7 26.4 POD \$	PTH -67-706 11 SCALE 0. 42-91109 33-67896 46-79956 45-47573 48-68079 43-13765 EQUENCE NO PTH -67-632 11 SCALE 0. 42-25082 32-84938 45-64442 44-25385 47-47194 42-07990 SEQUENCE NO	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-751 AZ 5.669 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-751
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526  5 -12.362 -18.211  6 -12.363 -19.816  7 -10.994 -20.060	RANGE 494-88311 516-55-975 499-11663 521-80185 537-98784 513-65851 499-11663 22 MIN 37  RANGE 482-64626 503-96662 503-96662 503-96662 504-82880 501-13346 486-96603	AZS/C -55.0 -58.4 -63.1 -55.6 -50.3 -58.4 -63.1 -55.0 -56.9 -56.0 -56.0 -56.0 -56.3 -58.4 -63.1 -55.7 -50.3 -58.4	AZN 9-33 10-1 8-9 10-2 8-9 10-2 9-3 11-4 9-8 8-9 10-2 9-3 11-3 9-8 8-9 10-2 9-8 8-9 MS	SEC TO 196  AZ SUN -82.4 -82.4 -81.3 -81.3 -83.7 -83.4 -81.3  SEC TO 191  AZ SUN -82.4 -81.3 -83.7 -83.7 -83.7 -83.7 -83.7 -83.8	1MPACT .735  AZA 33.8 .33.1 .32.7 .31.0 .35.3 .32.7  TAB NO	ALT 447-70450 A. 10-38492 10-38492 10-30862 10-00862 10-00862 59 ALT 436-5830 10-12169 9-76438 10-20465	ATLAS  LAT  -6.130  B/A AZI 0.028 -10.028 -10.020 -10.020 -10.020 -10.020 -10.020 -10.00  ATLAS  LAT  ATLAS  LAT  -0.027 -0.00	PHOTO NO  LON -25.966 PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD 93.4 70.1 93.0 68.5 87.6 68.1 PHOTO NO -25.856 PHAZ INCD 90.3 69.0 87.6 68.1 87.3 69.6 87.6 68.1	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 33.3 41.0 29.7 59  R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 36.4 35.0 36.4 38.3 41.0 29.7	V 2.383 ALPHA 25-7 29-3 26-4 32-7 32-0 25-7 26-4 POD S V 2.388 ALPHA 25-7 29-3 26-4 32-6 31-9 32-6 31-9 25-7 26-4 POD S	PTH -67-706 11 SCALE 0. 42-91109 33-67896 46-79956 45-47573 48-68079 43-13765 SEQUENCE NO PTH -67-632 11 SCALE 0. 42-25082 32-84938 45-64442 44-35385 47-47194 42-07990 SEQUENCE NO	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-11 1-2 15.669 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-751
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526  5 -12.362 -18.211  6 -12.363 -19.816  7 -10.994 -20.060  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON	RANGE 494.88311 516.559.75 499.11663 521.00185 537.98784 513.65851 499.11663 22 MIN 37  RANGE 482.64626 503.96662 486.96603 501.13346 486.96603	AZS/C -55.0 -58.4 -63.1 -55.6 -50.3 -58.4 SEC 104	AZN 9-33 10-1 8-9 10-2 8-9 10-2 9-3 11-4 9-8 8-9 10-2 9-3 11-3 9-8 8-9 10-2 9-8 8-9 MS	SEC TO 196  AZ SUN -82.4 -82.4 -81.3 -81.3 -83.7 -83.4 -81.3  SEC TO 191  AZ SUN -82.4 -81.3 -83.7 -83.7 -83.7 -83.7 -83.7 -83.8	1MPACT .735  AZA 33.8 .33.1 .32.7 .31.0 .35.3 .32.7  TAB NO	ALT 447.70450 10.38492 10.38492 10.38492 10.00802 10.40802 59 ALT 436.5830 10.13177 10.12169 9.76438 10.20465 10.9648 10.9648 60 ALT 425.4452 A*	ATLAS  LAT  C -8.130  B/A AZI  O.826 -1  O.826 -1  O.826 -1  O.837 -1  O.87C -1  ATLAS  LAT  1 -8.182  B/A AZI  O.829 -1  O.820 -1  O.820 -1  ATLAS  LAT  -8.182  B/A AZI  O.827 -1  ATLAS	PHOTO NO  LON -25.966  PHAZ INCD 90.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7 93.4 70.1 93.0 68.5 PHAZ INCD -25.856  PHAZ INCD 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD 93.4 70.1 93.0 68.5 87.6 68.1 PHOTO NO	R 2183.160  PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 29.7 59  R 2172.031  PHAZ EMIS 41.6 28.4 8.7 33.9 41.0 29.7 60  R 2160.90  PHAZ EMIS	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S V 3 2.388 ALPHA 25.7 29.3 26.4 29.3 26.4 POD S	PTH -67-706 11  SCALE 0. 42-91109 33.67896 46.79956 45.47573 48.68079 43.13765 SEQUENCE NO PTH -67-632 11  SCALE 0. 42.25082 32.84938 45.64442 44.35385 47.47194 42.07990 SEQUENCE NO	AZ 5.686 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-751 AZ 1-2 2-3 3-4 4-5 5-6 6-7 0-751 AZ 1-2 1-2 1-3 1-2 1-3 1-4 1-5 1-6 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.48C  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526  5 -12.362 -18.211  6 -12.363 -19.816  7 -10.994 -20.060  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.766 -20.297	RANGE 494.88311 516.559.75 499.11663 521.8018 521.8018 537.98784 513.65851 499.11663 22 MIN 37  RANGE 482.64626 503.96662 486.96603 509.08861 524.82880 501.13346 486.96603	AZS/C -55.6-9 -56.9 -63.1 -55.6 -50.3 -58.4 SEC 104 AZS/C -55.0 -56.9 -56.9 -58.4 SEC 144	AZN 9.31 10.31 10.92 11.4 9.8 8.9 10.02 11.3 10.00 8.9 10.2 9.8 8.9	SEC TO 191  AZ SUN 8-82.4 -82.4 -81.3 -81.3 -83.7 -83.4 -81.3 SEC TO 191  AZ SUN 8-82.4 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3 -81.3	1MPACT .735  AZA 33.8 .33.1 32.7 32.7 32.6 35.3 32.7	ALT 447-70450  A. 10.38492 10.3764 10.00862 10.4874 10.29668 10.00802  59 ALT 436-58300 10.13177 10.12169 9.76438 10.04561 9.76438 60  ALT 425-4452 A. 9.87804	ATLAS  LAT  -8.130  B/A AZI 0.828 -1 0.820 -1 0.820 -1 0.820 -1 0.820 -1 0.820 -1 0.820 -1 0.820 -1 0.837 -1 0.870 -1 0.	PHOTO NO  LON -25,966  PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.6 68.1  PHOTO NO  LGN -25.856  PHAZ INCD 91.3 67.9 90.3 69.0 87.6 68.1  PHOTO NO  LGN -25.856  PHAZ INCD 93.0 68.5 87.6 68.1  PHOTO NO  LON -25.745  PHAZ INCD 93.4 70.1 93.0 68.5  PHAZ INCD 93.4 70.1 93.6 68.1	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 41.0 33.3 41.0 29.7 59  R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 36.4 35.0 60  R 2160.901 PHAZ EMIS 41.1 29.7	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD \$ 3 2.388 ALPHA 25.7 26.4 32.6 31.9 25.7 26.4 POD \$	PTH -67-706 11 SCALE 0. 42-91109 33-67896 46-79956 45-47573 48-68079 43-13765 SEQUENCE NC PTH -67-632 11 SCALE 0. 42-25082 32-84938 45-64442 44-25385 47-47194 42-07990 SEQUENCE NC	AZ .5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-751 AZ .5.669 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-757 AZ .5.651 PI-PI 0-1 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526  5 -12.362 -18.211  6 -12.363 -19.816  7 -10.994 -20.060  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.766 -20.297  2 -11.029 -19.209	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 513.65851 499.11663 22 MIN 37  RANGE 482.64626 503.96662 486.96603 524.82880 501.13346 486.96603	AZS/C -55.0 -58.4 -55.6 -50.3 -58.4 -50.3 -58.4 -50.3 -58.4 -55.0 -56.9 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.7 -50.3 -58.4 -55.5 -56.9 -56.9 -56.9 -56.5 -56.9 -56.5	AZN 9.3 10.3 10.2 11.4 9.8 8.9 10.0 2 11.3 10.0 8.9 10.2 11.3 8.9	SEC TO 196  AZ SUN 8-82.4 -82.4 -81.3 -81.3 -83.4 -81.3 SEC TO 191  AZ SUN 8-82.4 -81.3 SEC TO 191  AZ SUN 8-82.4 -81.3 -83.7 -83.7 -83.7 -83.7 -83.7 -83.8 -82.8 -82.8	AZA 33.8 33.1 32.7 31.0 33.6 35.3 32.7 TAB NO IMPACT .696  AZA 33.8 33.1 32.7 TAB NO	ALT 447.7045( 447.7045( 10.38492 10.3741 10.00802 10.45969 10.70802  59  ALT 436-5830( A-20668 10.20668 10.20668 10.20668 10.20465 10.52358 10.00802	ATLAS  LAT  C -8-130  B/A AZI  C -8-130  B/A AZI  C -8-130  B/A AZI  C -8-10  C -87C -1  ATLAS  LAT  C -8-182  B/A AZI  C -8-7C -1  ATLAS  LAT  B/A AZI  C -8-25  ATLAS  LAT  B/A AZI  C -8-25  ATLAS	PHOTO NO  LON -25.966  PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7 93.4 70.1 93.0 68.5 87.6 68.1  PHOTO NO  LCN -25.856  PHAZ INCD 91.3 67.9 87.6 68.1  PHOTO NO  LON -25.745  PHAZ INCD 97.3 69.0 87.6 68.1  PHOTO NO	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 29.7 59 R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 60  PHAZ EMIS 41.0 33.2 41.0 29.7 60  PHAZ EMIS 41.7 28.4 38.7 33.9 41.0 29.7	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S V 3 2.388 ALPHA 25.7 29.3 26.4 32.6 31.9 25.7 26.4 POD S	PTH -67-706 11 SCALE 0. 42-91109 33-67896 46-79956 45-47573 48-68079 43-13765 SEQUENCE NC PTH -67-632 11 SCALE 0. 42-25082 32-84938 45-64442 44-25385 47-47194 42-07990 SEQUENCE NC PTH -67-557 11 SCALE 0. 41-57332 32-01822	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 751 AZ 5-669 PI-PI 1-2 2-3 3-4 4-5 5-6 6-7 757 AZ 5-6 6-7 757
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.48C  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  TRAJECTORY DATA  PHOTO DATA  TRAJECTORY DATA  PHOTO DATA	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 513.65851 499.11663 22 MIN 37  RANGE 482.64626 503.96662 486.96603 524.82880 501.13346 486.96603	AZS/C -55.0 -58.4 -63.1 -55.6 -50.3 -58.4 -55.0 -56.9 -58.4 -55.0 -56.9 -58.4 -63.1 -55.7 -50.3 -58.4 -55.0 -56.9 -58.4 -63.1 -55.7 -60.3 -58.4 -63.1 -55.7 -60.3 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5 -60.9 -60.5	AZN 9.3 10.1 16.9 10.2 11.4 9.8 8.9 10.2 11.3 9.8 8.9 MS	SEC TO 196  AZ SUN -82.4 -82.4 -81.3 -81.3 -83.7 -83.4 -81.3  SEC TO 191  AZ SUN -82.4 -81.3 -83.7 -83.7 -83.7 -83.7 -83.7 -83.7 -83.7 -81.3	AZA 33.8 33.1 32.7 31.0 33.6 35.3 32.7  TAB NO  IMPACT .696  AZA 33.8 33.1 32.7  TAB NO  IMPACT .656  AZA 33.7 33.7 33.7 33.7 33.7 33.7	ALT 447-70450  A. 10.38492 10.37640 10.38492 10.37640 10.00802 10.00802  59  ALT 436-5830 A. 10.13177 10.12169 9.76438 10.20465 10.52358 10.20465 10.52358 10.40461 9.76438 60  ALT 425.4452 A. 9.87804 9.87804 9.87804 9.87804 9.87804 9.986819	ATLAS  LAT  C -8.130  B/A AZI  O.828 -1  O.826 -1  O.826 -1  O.827 -1  O.827 -1  O.876 -1  ATLAS  LAT  1 -8.182  B/A AZI  O.870 -1  ATLAS  LAT  ATLAS  LAT  1 -8.182  B/A AZI  O.829 -1  O.830 -2  O.831 -2  O.821 -2  O.822 -2  O.822 -2  O.822 -2  O.823 -2  O.823 -2  O.824 -2  O.824 -2  O.824 -2  O.825 -2  O	PHOTO NO  LON -25.966 PHAZ INCD 90.3 67.9 90.3 69.0 87.6 68.1 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD 93.0 69.0 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD 93.0 68.5 87.6 68.1 PHOTO NO	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 38.1 36.4 38.3 41.0 33.3 41.0 29.7 59  R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 60  PHAZ EMIS 41.7 28.4 38.7 33.9 41.0 29.7	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S V 3 2.388 ALPHA 25.7 26.4 POD S V 2.389 ALPHA 25.7 26.4 POD S	PTH -67-706 11 SCALE 0. 42-91109 33.67896 46.79956 45.47573 48.68079 43.13765 SEQUENCE NO PTH -67.632 11 SCALE 0. 42.25082 32.804938 45.64442 44.35385. 47.47194 42.07990 SEQUENCE NO PTH -67.557 11 SCALE 0. 41.57332 32.01822 44.48732	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 751 AZ 15.669 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-7 757 AZ 15.651 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-1 1-2 1-3 1-4 1-5 1-6 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.48C  5 -12.403 -18.48C  5 -12.403 -18.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526  5 -12.362 -18.211  6 -12.363 -19.816  7 -10.994 -20.060  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.766 -20.297  2 -11.629 -19.209  3 -10.789 -20.067  4 -10.927 -18.572  5 -12.322 -18.266  6 -12.3223 -19.830	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 513.65851 499.11663 22 MIN 37  RANGE 482.646.26 503.96662 503.96662 509.06861 524.82880 501.13346 486.96603	AZS/C -55.6-9 -56.9 -63.1 -55.6 -50.3 -58.4 SEC 104 AZS/C -55.0 -56.9 -58.4 SEC 144 AZS/C -55.0 -58.4 SEC 144	AZN 9.3 10.1 8.9 9.8 8.9   AZN 9.3 8.9   AZN 9.8 8.9   AZN 9.8 8.9   AZN 9.8 8.9   MS	SEC TO 196  AZ SUN -82.4 -81.3 -81.3 -83.7 -83.7 -83.4 -81.3 -83.7 -83.4 -81.3 -83.7 -83.4 -81.3 -82.8 -82.8 -82.8 -82.8 -82.8	IMPACT .735  AZA 33.8 33.1 32.7 31.0 33.6 35.3 32.7  TAB NO  IMPACT .696  AZA 33.8 33.1 32.7  TAB NO  IMPACT .696  AZA 33.8 33.1 32.7  TAB NO  IMPACT .656  AZA 33.7 33.7 33.7 33.7 33.7 33.7 33.7 33.	ALT 447.7045( 447.7045( 10.38492.10.374( 10.00802 10.45989 10.00802  59  ALT 436-5830( 10.13177 10.12169 9.76438 10.00802  AP 425.4452  AP 9.87804 9.87804 9.87804 9.87804 9.87804 9.87804 9.87804	ATLAS  LAT  0 -8-130  8/A AZI  0 -826 -1  0 -820 -1  0 -820 -1  0 -870 -1  ATLAS  LAT  1 -8-182  8/A AZI  0 -870 -1  0 -820 -1  0 -820 -1  C-870 -1  ATLAS  LAT  1 -8-182  B/A AZI  0 -820 -1  0 -820 -1  0 -830 -1  0 -820 -1  0 -820 -1  0 -820 -1  0 -820 -1  0 -821 -0  0 -821 -0  0 -821 -0  0 -821 -0  0 -821 -0  0 -821 -0  0 -871 -0	PHOTO NO  LON -25.966  PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.3 69.7 93.0 68.5 87.6 68.1  PHOTO NO  LCN -25.856  PHAZ INCD 91.3 67.9 90.3 69.0 87.6 68.1 87.3 69.6 87.6 68.1  PHOTO NO  LON -25.745  PHAZ INCD 91.3 67.9 91.3 67.9 91.3 69.0 87.6 68.1  PHOTO NO	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 38.3 41.0 29.7 59 R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 60  PHAZ EMIS 41.0 33.2 41.0 29.7 60  PHAZ EMIS 41.7 28.4 38.7 33.9 41.0 29.7	V 2.383 ALPHA 25.7 29.3 26.4 32.7 32.0 25.7 26.4 POD S V 3 2.388 ALPHA 25.7 29.3 26.4 31.9 25.7 29.3 26.4 ALPHA 25.7 29.3 26.4 31.9 25.7 26.4 POD S	PTH -67-706 11 SCALE 0. 42-91109 33-67896 46-79956 45-47573 48-68079 43-13765 SEQUENCE NC PTH -67-632 11 SCALE 0. 42-25082 32-84938 45-64442 44-25385 47-47194 42-07990 SEQUENCE NC PTH -67-557 11 SCALE 0. 41-57332 32-01822	745  AZ 5.686  PI-PI 0-1 1-2 2-3 3-4 4-5 5-66 7  751  AZ 15.669  PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 7  757
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.270  2 -11.672 -19.150  3 -11.000 -20.053  4 -10.934 -18.480  5 -12.402 -18.157  6 -12.403 -19.802  7 -11.000 -20.053  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.772 -20.284  2 -11.651 -19.179  3 -10.994 -20.060  4 -10.931 -18.526  5 -12.362 -18.211  6 -12.363 -19.816  7 -10.994 -20.060  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON  1 -10.776 -20.297  2 -11.029 -19.209  3 -10.989 -20.067  4 -10.989 -20.067  4 -10.989 -20.067  4 -10.989 -20.067	RANGE 494.88311 516.559.75 499.11663 521.80185 537.98784 513.65851 499.11663 22 MIN 37  RANGE 482.646.26 503.96662 503.96662 509.06861 524.82880 501.13346 486.96603	AZS/C -55.6-9 -56.9 -63.1 -55.6 -50.3 -58.4 SEC 104 AZS/C -55.0 -56.9 -58.4 SEC 144 AZS/C -55.0 -58.4 SEC 144	AZN 9.31 10.31 10.91 10.22 11.4 9.8 8.9 10.0 8.9 10.2 11.3 10.0 8.9 10.2 11.3 10.0 8.9 10.2	SEC TO 196  AZ SUN -82.4 -81.3 -81.3 -83.7 -83.7 -83.4 -81.3 -83.7 -83.4 -81.3 -83.7 -83.4 -81.3 -82.8 -82.8 -82.8 -82.8 -82.8	AZA 33.8 33.1 32.7 31.0 33.6 35.3 32.7 TAB NO  IMPACI .696  AZA 33.8 33.1 32.7 TAB NO  IMPACI .656  AZA 33.7 TAB NO  IMPACI .656  AZA 33.7 TAB NO  IMPACI .656	ALT 447-70450  A. 10.38492 10.3744 10.00862 10.40862 10.00862 10.00862  59 ALT 436-5830 ALT 10.13177 10.12169 9.76438 10.20465 10.50258 10.40561 9.76438 60  ALT 425.4452 A. 9.87804 9.86819 9.52017 9.94884 10.25916 9.94894 10.25916	ATLAS  LAT  -8-130  B/A AZI 0.828 -10.820 -10.	PHOTO NO  LON -25.966 PHAZ INCD 91.3 67.9 90.3 69.1 87.6 68.1 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD 93.4 70.1 93.0 68.5 87.6 68.1 PHOTO NO  LCN -25.856 PHAZ INCD 90.3 69.0 87.6 68.1 PHOTO NO  LON -25.745 PHOTO NO  LON -25.745 PHOTO NO	R 2183.160 PHAZ EMIS 41.6 28.5 38.6 33.9 41.0 29.7 36.4 35.1 36.4 35.1 36.4 38.3 41.0 29.7 59 R 2172.031 PHAZ EMIS 41.6 28.4 38.7 33.9 41.0 29.7 60 R 2160.90 PHAZ EMIS 41.7 28.4 38.7 33.9 41.0 29.7 60	V 2 3883 ALPHA 25-7 29-3 26-4 32-7 32-0 25-7 26-4 POD S V 2 3888 ALPHA 25-7 26-4 90 25-7 26-4 90 25-7 26-4 26-9 26-	PTH -67.706 11 SCALE 0. 42.91109 33.67896 46.79956 45.47573 48.68079 43.13765 EQUENCE NC PTH -67.632 11 SCALE 0. 42.25082 32.84938 45.64442 44.25385 47.47194 42.07990 EQUENCE NC PTH -67.557 11 SCALE 0. 41.57332 32.01822 44.88732 43.22996	AZ 5.686 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-751 AZ 5-669 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-757 AZ 15.651 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0-757

	-			RA-VII CAMERA	P3 11
JULY 31.1964 13 HR	22 MIN 47	SEC 183	MS	TAB NO	61 ATLAS PHOTO NO 61 POD SEQUENCE NO 763
TRAJECTORY DATA		320 105		SEC TO IMPACT	ALT LAT LCN R V PTH AZ
PHOTO DATA				181.616	414.29059 -8.288 -25.634 2149.746 2.398 -67.481 115.633
	RANGE 458.11010	AZS/C -55.1	9.3	AZSUN AZA -82.8 33.7	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 9.62423 0.83C -91.3 67.9 41.7 28.3 25.6 0. C-1
	462.60012	-58.4	8.9	-82.4 33.1 -81.3 32.7	9.61461 0.831 -90.3 69.0 38.7 33.8 29.2 40.91911 1- 2 9.27581 0.871 -87.6 68.1 41.0 29.6 26.4 31.18885 2- 3
4 -10.922 -18.617 5 -12.281 -18.320	483.54475 498.45694	-55.7	10.2	-81.2 31.1 -83.7 33.6	9.69302 0.621 -87.3 69.5 36.4 34.9 32.5 43.33350 3- 4 9.99478 0.788 -93.3 69.9 36.4 38.1 31.8 42.10716 4- 5
6 +12.283 -19.842 7 -10.983 -20.073	476.02006 462.60012	-50.4 -58.4	9.7 8.9	-83.4 35.2 -81.3 32.7	9.54221 0.838 -93.0 68.5 41.0 33.2 25.7 45.05501 5-6 9.27581 0.871 -87.6 68.1 41.0 29.6 26.4 39.95976 6-7
JULY 31,1964 13 HR	42 MIN 53	SEC 903	MS	TAB NO	62 ATLAS PHOTO NO 62 POD SEQUENCE NO 771
TRAJECTURY PATA				SEC TO IMPACT	ALT LAT LON R V PTH AZ
PHOTO DATA				174.897	399.39142 -8.360 -25.483 2134.847 2.404 -67.380 115.609
PT LAT LON 1 -10.751 -20.328	RANGE 441.70528		9.3	AZSUN AZA -82.8 33.7	A• B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 9.28516 0.830 -91.3 67.8 41.8 28.2 25.5 0. 0-1
2 -11.576 -19.274 3 -10.975 -20.081	461.85247	-56.9 -58.4	10.0	-82.4 33.1 -81.3 32.7	9.27587 0.831 -90.3 68.9 38.7 33.8 29.2 40.04143 1-2 8.94931 C.871 -87.6 68.1 41.0 29.6 26.4 30.08236 2-3
4 -10.916 -16.676	466,49837	-63.0	10.2	-81.2 31.1 -83.7 33.5	9.35132 0.822 -87.3 69.5 36.4 34.9 32.4 41.79469 3- 4 9.64171 0.789 -93.3 69.9 36.4 38.0 31.8 40.60863 4- 5
5 -12.227 -18.39C 6 -12.229 -19.858	459.24030	-50.5	9.7	-83.5 35.1	9.20585 0.839 -93.0 68.4 41.0 33.1 25.7 43.44679 5- 6
7 -10.975 -20.081	446.31691	4م84-	8.9	-81.3 32.7	
JULY 31,1964 13 HR	22 MIN 57	SEC 263	۳S	TAB NO	63 ATLAS PHOTO NO 63 POD SEQUENCE NO 7/5
TRAJECTURY DATA				SEC TO IMPACT 171.537	ALT LON R V PTH A2 391.93051 -8.396 -25.406 2127.386 2.408 -67.328 115.597
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN		A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
1 -10.747 -20.336 2 -11.561 -19.293	433.48861	-55.1 -56.9	9.3	-82.8 33.7 -62.4 33.1	9.11518 0.83C -91.3 67.8 41.8 28.2 25.5 0. 0-1 9.10606 0.831 -90.3 68.9 38.7 33.8 29.2 39.58823 1-2
3 -10.971 -20.085 4 -10.913 -18.706	438.15424	-58.4 -63.0	8.9 10.2	-81.3 32.7 -81.2 31.1	8.78563 C.871 -87.5 68.1 41.0 29.6 26.4 29.52783 2-3 9.18004 C.822 -57.3 69.4 36.4 34.9 32.4 41.02354 3-4
5 -12.200 -18.426	472.02331	-55.7	. 11.2	-83.7 33.5	9.46475 0.789 -93.3 69.8 36.4 38.0 31.7 39.85780 4- 5
6 -12.201 -19.866 7 -10.971 -20.085	450.82924 438.15424	-50.5 -58.4	9.7 8.9	-83.5 35.1 -81.3 32.7	9.03725 0.839 -93.0 68.4 41.0 33.1 25.7 42.64112 5-6 8.78563 C.871 -87.5 68.1 41.0 29.6 26.4 37.83471 6-7
JULY 31,1964 13 HK	23 MIN 0	SEC 622	MS	TAB NO	64 ATLAS PHOTO NO 64 POD SEQUENCE NO 779
TRAJECTORY DATA	-				
				SEC TO IMPACT	ALT LAT LCN R V PTH AZ
PHOTO DATA				168.177	384.46222 -8.432 -25.330 2119.918 2.411 -67.277 115.584
PT LAT LCN 1 -10.743 -20.344	RANGE 425.26250	AZS/C -55.1	AZN 9.3	AZSUN AZA -82.8 33.7	384.46222 -8.432 -25.330 2119.918 2.411 -67.277 115.584  A
PT LAT LCN 1 -10.743 -20.344	RANGE	AZS/C -55.1 -56.9	AZN	AZSUN AZA	384.46222 -8.432 -25.330 2119.918 2.411 -67.277 115.584  A B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 8.94495 0.830 -91.3 67.8 41.8 28.2 25.4 0. 0-1 8.93599 0.832 -90.3 68.9 38.7 33.7 29.1 39.12736 1-2 8.9210 0.871 -87.5 68.1 41.0 29.6 26.4 28.97263 2-3
PT LAT LCN 1 +10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737	RANGE 425.26250 444.92976 429.97863 449.39595	AZS/C -55.1 -56.9 -58.4 -63.0	AZN 9.3 10.0 8.9 10.2	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1	364.46222 -8.432 -25.330 2119.918 2.411 -67.277 115.584  A
PT LAT LCN 1 +10.743 -20.344 2 -11.546 -19.312 3 -10.967 -70.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875	RANGE 425.26250 444.92970 429.97863 449.39595 463.18516 442.40527	AZS/C -55.1 -56.9 -58.4 -63.0 -55.7 -50.6	AZN 9.3 10.0 8.9 10.2 11.2 9.7	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 33.5 -83.5 35.0	364.46222 -8.432 -25.330 2119.918 2.411 -67.277 115.584  A
PT LAT LCN 1 +10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 +12.173 -18.462	RANGE 425-26250 444-92970 429-97863 449-39595 463-18516	AZS/C -55.1 -56.9 -58.4 -63.0 -55.7 -50.6	AZN 9.3 10.0 8.9 10.2 11.2	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 33.5	384.46222 -8.432 -25.330 2119.918 2.411 -67.277 115.584  A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 8.94495 0.832 -91.3 67.8 41.8 28.2 25.4 0. 0 1 8.93599 0.832 -90.3 68.9 38.7 33.7 29.1 39.12736 1 2 8.02170 0.871 -87.5 68.1 41.0 29.6 26.4 28.97263 2- 3 9.00850 0.822 -87.3 69.4 36.4 34.8 32.4 40.25152 3 4 9.287.3 0.79C -93.3 69.8 36.4 38.0 31.7 39.10611 4- 5
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR	RANGE 425.26250 444.92970 429.97863 449.39595 403.18516 442.40527 429.97863	AZS/C -55.1 -56.9 -58.4 -63.0 -55.7 -50.6	AZN 9.3 10.0 8.9 10.2 11.2 9.7 8.9	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 33.5 -83.5 35.0 -81.3 32.7	384.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 425.26250 444.92970 429.97863 449.39595 403.18516 442.40527 429.97863	AZS/C -55.1 -56.9 -58.4 -63.0 -55.7 -50.6	AZN 9.3 10.0 8.9 10.2 11.2 9.7 8.9	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 33.5 -83.5 35.0 -81.3 32.7	384.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN	RANGE 425.26250 444.92970 429.97863 449.3995 463.18516 442.40527 429.97863	AZS/C -55.9 -56.9 -58.4 -63.0 -55.7 -50.6 -58.4 SEC 342	AZN 9.3 10.0 8.9 10.2 11.2 9.7 8.9	AZSUN AZA	364.46222 -8.432 -25.330 2119.918 2.411 -67.277 115.584  A
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351	RANGE 425.26250 444.92976 429.97863 449.39595 463.10516 442.40527 429.97863 23 MIN 7	AZS/C -55.1 -56.9 -98.4 -63.0 -55.7 -50.6 -38.4 SEC 342	AZN 9.3 10.0 8.9 10.2 11.2 9.7 8.9	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.5 35.0 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.8 33.6	364.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.958 -20.097	RANGE 425.26250 444.92976 429.97863 439.319516 442.46527 429.97863 23 MIN 7  RANGE 408.78084 427.95132 413.58541	AZS/C -55.1 -56.9 -38.4 -63.0 -55.7 -50.6 -38.4 SEC 342	AZN 9-3 10-0 8-9 10-2 11-2 9-7 8-9 MS	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 33.5 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.8 33.6 -82.4 33.1 -81.3 32.7	364.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.958 -20.097 4 -10.993 -18.797 5 -12.117 -18.534	RANGE 425.26250 444.92976 429.97863 449.39595 442.40527 429.97863 23 MIN 7  RANGE 408.78084 413.58541 412.23815 445.46684	AZS/C -55.1 -56.9 -38.4 -63.0 -55.7 -50.6 -38.4 SEC 342 AZS/C -55.1 -56.9 -58.9	A/N 9.3 10.0 10.2 11.2 9.7 8.9 MS	AZSUN AZA-82-8 33.7 -82-8 33.7 -81-2 31.1 -81.3 32.7 -81.2 31.1 -83.7 33.5 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82-8 33.6 -82-4 33.1 -81.3 32.7 -81.2 31.2 -81.2 31.2	384.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.968 -20.097 4 -10.993 -18.797	RANGE 425.26250 444.92976 429.97863 449.39595 442.40527 429.97863 23 MIN 7  RANGE 408.78084 427.95132 413.58541 432.23815	AZS/C -55.1 -56.9 -83.0 -55.7 -50.6 -38.4 SEC 342 AZS/C -55.1 -56.9 -58.4 -63.0 -55.7	AZN 9.3 10.0 8.9 10.2 11.2 9.7 8.9 MS	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 34.5 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.4 33.1 -81.3 32.7 -81.2 31.2 -81.3 32.7	364.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.907 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR  FRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.958 -20.097 5 -12.117 -18.534 6 -12.119 -19.892	RANGE 425.26250 444.92976 429.97863 449.39595 442.40527 429.97863 23 MIN 7  RANGE 408.78084 427.95132 413.58541 432.23815 445.46684 425.51524 413.58541	AZS/C -55.1 -56.9 -38.4 -63.0 -55.7 -50.6 -38.4 SEC 342 AZS/C -55.1 -56.9 -58.4 -63.0 -55.7 -50.6 -58.4	AZN 9.3 10.0 8.9 10.2 11.2 9.7 8.9 MS	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 34.5 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.4 33.1 -81.3 32.7 -81.2 31.2 -81.3 32.7	384.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.95H -20.967 4 -10.903 -18.797 5 -12.117 -18.534 6 -12.117 -18.534 6 -12.119 -19.892 7 -10.956 -20.097	RANGE 425.26250 444.92976 429.97863 449.39595 463.19516 442.40527 429.97863 23 MIN 7  RANGE 408.78084 427.95132 413.58541 432.28815 445.46684 425.51524 413.58541	AZS/C -55.1 -56.9 -38.4 -63.0 -55.7 -50.6 -38.4 SEC 342 AZS/C -55.1 -56.9 -58.4 -63.0 -55.7 -50.6 -58.4	AZN 9.33 10.00 AZN 8.99 MS	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.5 35.0 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.8 33.6 -82.4 33.1 -81.3 32.7 -81.2 31.2 -81.3 32.7  TAB NO  SEC TI IMPACT	384.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.958 -20.97 4 -10.903 -18.797 5 -12.117 -18.534 6 -12.119 -19.892 7 -10.958 -20.097  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	RANGE 425.26250 444.92976 429.97863 449.39595 463.19516 422.40527 429.97863 23 MIN 7  RANGE 408.78084 427.95132 413.58541 432.23815 445.46684 425.51524 413.58541	AZS/C -55.1 -56.9 -38.4 -63.0 -55.7 -50.6 -38.4 SEC 342 AZS/C -55.1 -56.9 -58.4 -63.0 -55.7 -50.6 -58.4	AZN 9.3 10.0 8.9 10.2 11.2 9.7 8.9 MS	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 33.5 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.8 33.6 -82.4 33.1 -81.3 32.7 -81.2 31.2 -83.5 35.0 -61.3 32.7  TAB NO	A
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.958 -20.097 4 -10.993 -18.797 5 -12.117 -18.534 6 -12.119 -19.892 7 -10.956 -20.097  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	RANGE 425.26250 444.92976 429.97863 449.39590 403.18516 442.40527 429.97863 23 MIN 7  RANGE 408.78084 427.95132 413.58541 432.23815 445.46084 425.5154 413.58541	AZS/C -55.1 -56.9 -78.4 -63.0 -55.7 -50.6 -78.4 SEC 342 AZS/C -55.1 -56.9 -78.4 -63.0 -55.7 -58.4 SEC 382	AZN 9-3 10-0 11-2 11-2 9-7 8-9 MS	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 33.5 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.8 33.6 -82.4 33.1 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  TASUN AZA -82.8 33.6 -82.4 33.1 -81.3 32.7  TAB NO  SEC TI IMPACT 156.418	384.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.958 -20.097 4 -10.993 -18.797 5 -12.117 -18.534 6 -12.119 -19.892 7 -10.956 -20.097  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	RANGE 425.26250 444.92976 429.97863 449.39590 403.18516 442.40527 429.97863 23 MIN 7  RANGE 408.78084 427.95132 413.58541 432.23815 445.46084 425.5154 413.58541	AZS/C -55.1 -56.9 -78.4 -63.0 -55.7 -50.6 -78.4 SEC 342 AZS/C -55.1 -56.9 -78.4 -63.0 -55.7 -58.4 SEC 382	AZN 9-3 10-0 11-2 11-2 9-7 8-9 MS	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 33.5 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.8 33.6 -82.4 33.1 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  TASUN AZA -82.8 33.6 -82.4 33.1 -81.3 32.7  TAB NO  SEC TI IMPACT 156.418	384.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.089 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.951 -20.397 5 -12.117 -18.534 6 -12.119 -19.892 7 -10.956 -20.097  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 1 -10.730 -20.97  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 1 -10.730 -20.173 2 -11.491 -19.381 3 -10.951 -20.105 4 -10.988 -18.843	RANGE 425.26250 444.92976 429.97863 449.34595 443.15516 422.40527 429.97863 23 MIN 7  RANGE 408.78084 427.95132 413.58541 422.3815 445.46684 425.51524 413.58541  RANGE 396.39413 415.17863 401.25251	AZS/C -55.1 -26.9 -28.4 -63.0 -55.7 -50.6 -38.4 SEC 342 AZS/C -55.1 -63.0 -58.4 SEC 382 AZS/C -58.4 SEC 382	AZN 9.3 AZN 9.	AZSUN AZA -82.8 33.7 -82.4 33.1 -81.3 32.7 -81.2 31.1 -83.7 34.5 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.4 33.1 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.4 33.1 -81.3 32.7  TAB NO  SEC TO IMPACT 156.418  AZSUN AZA -82.4 33.1 -81.3 32.7  TAB NO  SEC TO IMPACT 156.418  AZSUN AZA -82.4 33.1 -81.3 32.7  TAB NO	384.46222 -8.432 -25.330
PT LAT LCN 1 -10.743 -20.344 2 -11.546 -19.312 3 -10.967 -20.039 4 -10.910 -18.737 5 -12.173 -18.462 6 -12.174 -19.875 7 -10.967 -20.089  JULY 31,1964 13 HR  FRAJECTORY DATA  PHOTO DATA 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.954 -20.097  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LCN 1 -10.736 -20.361 2 -11.515 -19.351 3 -10.958 -20.097  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA 1 -10.730 -20.173 2 -11.491 -19.381 3 -10.951 -20.105 4 -10.988 -18.843 5 -12.076 -18.884 5 -12.078 -19.905	RANGE 425.26250 444.92976 429.97863 449.39595 463.18516 442.40527 429.97863 23 MIN 7  RANGE 408.78084 427.951.32 413.58541 425.23815 445.46684 425.51524 413.58541 43 MIN 12  RANGE 396.39413 415.17863 401.25251 419.33093 422.13958 412.80997	AZS/C -55.1 -56.9 -38.4 -63.0 -55.7 -50.6 -38.4 SEC 342 AZS/C -55.1 -56.9 -58.4 SEC 382 AZS/C -55.7 -50.6 -58.4 SEC 382	AZN 9.3 3 10.00 8.9 9.3 10.2 11.2 9.7 8.9 MS AZN 9.3 10.2 9.7 8.9 MS AZN 9.3 9.9 8.9 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11	AZSUN AZA -82.8 33.7 -81.2 31.1 -81.3 32.7 -81.2 31.1 -83.5 35.0 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.4 33.1 -81.3 32.7  TAB NO  SEC TO IMPACT 161.457  AZSUN AZA -82.4 33.1 -81.3 32.7  TAB NO  SEC TII IMPACT 156.418  AZSUN AZA -82.4 33.1 -81.3 32.7  TAB NO	384.46222 -8.432 -25.330

				RA-VI	I CAMERA	P3							12
JULY 31,1964 13 HF	R 23 MIN 15	SEC. 742	MS		TAB NO	67	ATLA	S PHOTO	NO	67	POD	SEQUENCE N	0 797
TRAJECTORY DATA			•		IMPACT	ALT	LAT			R	, <u>v</u>	РТН	AZ
PHOTO DATA PT LAT LON	RANGE	A75/C	AZN			350.7587 		99 -24.		PHAZ EMIS		-67.040 1	
1 -10.726 -20.381 2 -11.476 -19.401	388.12386	-55.2	9.3		33.6		0.831	-91.3	67.8	42.0 28.0	25.3	SCALE 0.	PT-PT 01
3 -10.947 -20.110 4 -10.895 -18.875	393.01356	-58.4	8.9	-81.3	32.7	7.88050	0.871	-87.5	68.1	38.6 33.6 41.0 29.6	26.4	36.94004 26.46410	2- 3
5 -12.048 -18.625	410.70847 423.23861 404.32331		10.2	-81.2 -83.7	31.2	8.23299 8.48655	0.792	-93.3		36.4 34.7 36.4 37.8		36.76358 35.71145	
6 -12.050 -19.914 7 -10.947 -20.110	404.32331 393.01356	-50.7 -58.4	9.6 8.9	-83.5 -81.3	34.9 32.7	8.10501 7.88050	0.846	~93.0	68.4	41.0 33.0 41.0 29.6	25.7	38.19320 33.91455	5- 6
JULY 31,1964 13 HH	23 MIN 20	SEC 781	MS		TAB NO	68	ATLA	s <b>РНОТО</b>	NO	68	POD :	SEQUENCE N	0 803
TRAJECTORY DATA					IMPACT		LAT	LO		R -	<del>-</del> V	PTH	AZ
PHOTO DATA	0.440				018	339.4895						-66,959 1	15.507
PT LAT LON 1 -10.721 -20.393	RANGE 375.70038	AZS/C -55.2	4ZN 9.3	42 SUN -82 • 8	AZA 33.6	A* 7.91751	B/A .	AZPHAZ -91.3	INCD 67.8	PHAZ EMIS 42.0 27.9	ALPHA 25.2	SCALE 0.	PT-PT 0- 1
2 -11.453 -19.431 3 -10.940 -20.117	393.82267 380.62925	-57.0 -58.4	9.9. 8.9	-82.4 -81.3	33.0 32.7	7.90955 7.63217	.0.833	-90.3	68.8	38.6.33.6	29.0	36.17457	1- 2
4 -10.890 -18.922	397.74812	-62.9	10.2	-81.2	31.3	7.97320	0.824	-87.3	69.2	41.0 29.6 36.4 34.7	32.2	25.62485 35.59555	3- 4
A -12.009 -19.929	391.56916	-55.8 -50.7	11.1 9.6		33.4 34.8	8.21833 7.84935				36.4 37.7 41.0 33.0		34.57646 36.97475	
7 -10.940 -20.117	380.62925	-50.4	ō.9	31.3	32.7	7.63217				41.0 29.6		32.84099	
JULY 31,1964 13 HR	23 MIN 22	SEC 461	MS		TAB NO	69	ATLA	S PHOTO	NO	69	POD :	SEQUENCE N	0 805
TRAJECTORY DATA					IMPACT	AL T	LAT	LCI		R	. v	PTH	AZ
PHOTO DATA PT LAT LON				-		335.7290						-66.932 1	15.500
1 -10.719 -20.397	RANGE 371.55405	-55.2	9.3	AZ SUN -82.8	AZA 33.6	A. 7.83141	0.832	AZPHAZ -91.3	INCD 67.8	PHAZ EMIS 42.0 27.9	ALPHA 25.2	SCALE O.	PT-PT 0- 1
2 -11.445 -19.441 3 -10.938 -20.120	389.54012 376.49346		9.9 8.9	-82.4 -81.3	33.0 32.7	7.82354	0.833	-90.3	68.8	38.6 33.6 41.0 29.6	29.0	35.91383	1- 2
4 -10.888 -18.937	393.42016	-62.9	10.2	-81.2	31.3	7.88644	C.824	-87.3	69.2	36.4 34.7		25.34454 35.20559	
5 -11.993 -18.699 6 -11.995 -19.933	405.39539 387.31000	-50.8	9.6	-83.6 -83.5	33.4	8.12877 7.76397			69.6	36.4 37.7	31.5_ 25.6	34.19756 36.56806	
7 -10.938 -20.120	376.49346	-58.4	8.9	-81.3	32.7	7.54924				41.0 29.6	26.4	32.48247	
JULY 31,1964 13 HR	23 MIN 24	SEC 141	8.9	-81.3			0.871		68.1		26.4		6- 7
		SEC 141	8.9	-81.3 SEC TO	32.7 TAB NO	7.54924 <b>70</b> Alt	0.871 ATLA	-87.5 <b>S PHOTO</b>	68.1 <b>NO</b> N	41.0 29.6 <b>70</b>	POD 5	32.48247 SEQUENCE NO	6- 7 D <b>807</b>
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	23 MIN 24	SEC 141	8.9 MS	-81.3 SEC TO 144.	32.7 TAB NO	7.54924 70 ALT 331.9666	0.871 ATLA LAT 4 ~8.69	-87.5 S PHOTO LCI 94 -24.	68.1 <b>NO</b> N 776	70 R 2067.42	POD S	32.48247 SEQUENCE NO	6- 7 D <b>807</b>
JULY 31,1964 13 HR TRAJECTORY DATA	23 MIN 24	SEC 141	MS AZN	-81.3 SEC TO 144.	32.7 TAB NO IMPACT .658	7.54924 70 ALT 331.9666	0.871 ATLA  LAT 4 -8.69	-87.5 S PHOTO LCI 94 -24.	68.1 NO N 776	41.0 29.6 70  R 2067.42  PHAZ EMIS	26.4 POD \$	32.48247 SEQUENCE NO PTH -66.905 11	6- 7 D 807 AZ 15.493 PT-PT
JULY 31,1964 13 HR TRAJECTORY ()ATA PHOTO DATA PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451	RANGE 367.40534 3d5.25379	AZS/C -55.2 -57.0	MS AZN 9.3	-81.3 SEC TO 144. AZSUN -82.8 -82.4	32.7 TAB NO IMPACT .658 AZA 33.5 33.0	7.54924 70 ALT 331.9666 7.74524 7.73745	0.871 ATLA  LAT 4 -8.64 B/A (0.832 0.833	-87.5 S PHOTO  LCI 94 -24.3 AZPHAZ -91.3 -90.3	NO NO 776 INCC 67.8	70 R 2C67.42 PHAZ EMIS 42.0 27.9 38.6 33.6	26.4 POD S V 2 2.435 ALPHA 25.2 29.0	92.48247 SEQUENCE NO PTH -66.905 11 SCALE 0. 35.65032	6- 7 D 807 AZ 15.493 PT-PT 0- 1 1- 2
JULY 31,1964 13 HR TRAJECTORY ()ATA  PHOTO DATA PT LAT LON 1 -10-717 -20-400 2 -11-437 -19-451 3 -10-936 -20-123 4 -10-886 -18-953	23 MIN 24  RANGE 367-40534	SEC 141  AZS/C -55.2	8.9 MS AZN 9.3	-81.3 SEC TO 144. AZSUN -82.8	32.7 TAB NO IMPACT .658 AZA 33.5 33.0	7.54924 70 ALT 331.9666 A* 7.74524 7.73745	0.871 ATLA: LAT 4 -8.6° B/A 6 C.832 C.833 0.871 0.824	-87.5 LCI 94 -24.  AZPHAZ -91.3 (-90.3 -90.3 -87.5 (-87.3 )	NO NO NO 776 INCC 67.8 68.8 68.1	70 R 2C67.42 PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6	26.4 POD S V 2 2.435 ALPHA 25.2 29.0 26.4	32.48247 SEQUENCE NO PTH -66.905 11 SCALE 0. 35.65032 25.06410	6- 7 0 807 A2 15.493 PT-PT 0- 1 1- 2 2- 3
JULY 31,1964 13 HR TRAJECTORY ()ATA PHOTO DATA PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.718	RANGE 367.40534 3d5.25379 372.35394 3d9.08838 400.92488	AZS/C -55.2 -57.0 -58.4 -62.9 -55.8	MS AZN 9.3 9.9 8.9 10.2 11.1	-81.3 SEC TO 144. AZ SUN -82.8 -82.4 -81.3 -81.2 -63.6	32.7 TAB NO IMPACT .658 AZA 33.5 33.0 32.7 31.3 33.4	7.54924  70  ALT 331.9666  7.74524 7.73745 7.46624 7.79961 8.03913	0.871 ATLA: LAT. 4 -8.66 8/A / C.832 C.833 0.871 0.824 C.793	-87.5 LCI 94 -24. AZPHAZ -91.3 ( -90.3 ( -87.5 ( -87.3 ( -93.3 3)	NO NO NO 776 INCC 67.8 68.8 68.8 69.2	70 R 2C67.42 PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 34.6 36.4 37.7	26.4 POD \$  V 2 2.435  ALPHA 25.2 29.0 26.4 32.2 31.5	32.48247  SEQUENCE NO  PTH -66.905 11  SCALE 0. 35.65032 25.06410 34.81533 33.81827	AZ 15.493 PT-PT 0-1 1-2 2-3 3-4 4-5
JULY 31,1964 13 HR TRAJECTORY ()ATA  PHOTO DATA PT LAT LON 1 -10-717 -20-400 2 -11-437 -19-451 3 -10-936 -20-123 4 -10-886 -18-953	RANGE 367.40534 3d5.25379 372.33.5194 369.08836 400.92468 383.04707	AZ\$/C -55.2 -57.0 -58.4 -62.9	MS AZN 9.3 9.9 8.9 10.2 11.1 9.6	-81.3 SEC TO 144. AZ SUN -82.8 -82.4 -81.3 -81.2	32.7 TAB NO IMPACT .658 AZA 33.5 33.0 32.7 31.3 33.4 34.8	7.54924  70  ALT 331.9666  A. 7.74524 7.73745 7.46624 7.79961	C.832 C.832 C.833 O.871 O.824 C.793 O.841	-87.5 S PHOTO  LCI 94 -24.  AZPHAZ -91.3 -90.3 -87.5 -87.5 -87.3 -93.3 -93.3	NO NO NO NO T76 INCC 67.8 68.8 68.1 69.2 69.5 68.3	70 R 2C67.42 PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 34.6	26.4 POD \$ V 2 2.435 ALPHA 25.2 29.0 26.4 32.2	32.48247 SEQUENCE NO PTH -66.905 11 SCALE 0. 35.65032 25.06410 34.81533	AZ 15.493 PT-PT 0-1 1-2 2-3 3-4 4-5
JULY 31,1964 13 HR  TRAJECTORY ()ATA  PHOTO DATA PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.124 4 -10.886 -18.953 5 -11.979 -18.718 6 -11.961 -19.938	RANGE 367-40534 365-25379 372-35394 400-92488 383-04707 372-35394	AZ\$/C -55.2 -57.0 -58.4 -62.9 -55.8 -50.8 -58.4	MS AZN 9.3 9.9 10.2 11.1 9.6 8.9	-81.3 SEC TO 144. AZ SUN -82.8 -81.3 -81.2 -63.6 -83.5 -81.3	32.7 TAB NO IMPACT .658 AZA 33.5 33.0 32.7 31.3 33.4 34.8	7.54924  70  ALT 331.9666  A. 7.74524 7.73745 7.46624 7.79961 8.03913 7.67852	0.871 ATLA LAT 4 -8.6° 8/A 0.832 0.871 0.824 0.793 0.871	-87.5 S PHOTO  LCI 94 -24.  AZPHAZ -91.3 -90.3 -87.5 -87.5 -87.3 -93.3 -93.3	NO NO NO NO T776 INCC 67.8 68.8 68.1 69.2 69.5 68.3 68.1	R 2C67.42 PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 34.6 36.4 37.7 41.0 32.9	26.4 POD 5 V 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4	32.48247 SEQUENCE NO PTH -66.905 11 SCALE 0. 35.65032 25.06410 34.81533 33.61827 36.16104	A2 15.493 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123	RANGE 367-40534 365-25379 372-35394 400-92488 383-04707 372-35394	AZ\$/C -55.2 -57.0 -58.4 -62.9 -55.8 -50.8 -58.4	MS AZN 9.3 9.9 10.2 11.1 9.6 8.9	-81.3 SEC TO 144. AZ SUN -82.8 -82.4 -81.2 -63.6 -83.5 -81.3	32.7 TAB NO IMPACT 658  AZA 33.5 33.0 32.7 31.3 33.4.8 32.7 TAB NO	7.54924  70  ALT 331.96c6.  4. 7.74524 7.73745 7.46624 7.7961 8.03913 7.67852 7.46624  71	0.871 ATLA  LAT 4 -8.6' 6/A C.832 C.832 0.871 0.824 C.793 C.841 C.793 ATLA	-87.5 S PHOTO LCII 94 -24. AZPHA2 -90.3 -87.5 -93.3 -93.0 -87.5 S PHOTO	NO NO NO 776 INCC 67.8 68.8 68.1 69.5 69.5 68.3 68.1 NO	70 R 2C67.42 PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 41.0 29.6	26.4 POD 5 V 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4	92.48247 SEQUENCE NO PTH -66.905 11 SCALE 0. 35.65032 25.06410 34.8153 33.81827 36.16104 32.12356	A2 15.493 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  TRAJECTORY DATA  PHOTO DATA	RANGE 367.40534 365.25379 372.35394 349.08838 430.9707 372.35394	AZ\$/C -55.2 -57.0 -58.4 -62.9 -55.8 -50.8 -58.4	MS AZN 9.3 9.9 10.2 11.1 9.6 8.9	-81.3 SEC TG 144. AZ SUN -82.8 -81.3 -81.2 -63.6 -83.5 -81.3	32.7 TAB NO IMPACT 658  AZA 33.5 33.0 32.7 31.3 33.4.8 32.7 TAB NO	7.54924 70  ALT 331.9666. A. 7.74524 7.73745 7.46624 7.79961 8.03913 7.67652 7.46624 71  ALT 328.20214	0.871 ATLA  LAT 4 -8.6 8/4 6.832 C.833 0.871 0.824 C.793 C.841 0.871 ATLA	-87.5 S PHOTO LCII 94 -24. AZPHA2 -90.3 -87.5 -93.3 -93.0 -87.5 S PHOTO	NO NO NO 776 INCC 67.8 68.8 68.1 69.5 69.5 68.3 68.1 NO	70 R 2C67.42 PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 34.6 64.3 37.7 41.0 32.9 41.0 29.6	26.4 POD \$  V 2 2.435  ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4  POD \$	32.48247 SEQUENCE NO PTH -66.905 11 SCALE 0. 35.65032 25.06410 34.81533 33.81827 36.16104 32.12356	6- 7 0 807 A2 15.493 PT-PT 0- 1 12 2-3 3-4 4-5 5-6 6-7 0 809
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.718 6 -11.961 -19.938 7 -10.936 -20.123  JULY 31,1701 12 100  TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE 367.40534 345.25379 372.35394 400.92488 843.04707 372.35394	AZS/C 141  AZS/C -55.0 -58.4 -62.9 -55.8 -50.8 -58.4	MS AZN 9.3 9.9 8.9 10.2 11.1 9.6 8.9	-81.3 SEC TG 144. AZ SUN -82.8 -81.3 -81.2 -83.6 -83.5 -81.3 SEC TG 142.	32.7 TAB NO IMPACT 658  AZA 33.0 32.7 31.3 33.4 34.8 32.7 TAB NO IMPACT 978	7.54924 70  ALT 331.9666  A. 7.74524 7.73745 7.46624 7.79961 8.03913 7.67852 7.46624 71	0.871 ATLA  LAT 4 -8.6' 8/A 6.832 6.833 0.871 0.824 6.793 6.841 6.871 ATLA LAT 8 -8.71	-87.5 S PHOTO LCI 94 -2491.3 -90.3 -87.3 -93.3 (-87.5 S PHOTO LCI 13 -24.	NO N	70  R 2C67-42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 71  R 2063.65	26.4 POD \$  V 2 2.435  ALPHA 25.2 29.0 26.4 32.2 25.6 26.4  POD \$  V 7 2.437	32.48247 SEQUENCE NO PTH -66.905 11 SCALE 0.35.65032 25.06410 34.81533 33.81.827 36.16104 32.12356 SEQUENCE NO	A2 15.493 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 809
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  JAMES CTORY DATA PHOTO DATA PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462	23 MIN 24  RANGE 367.40534 345.25379 372.35394 400.92488 883.04707 372.35394	AZS/C 141  AZS/C -55.2 -57.0 -58.4 -62.9 -55.8 -58.4  AZS/C -55.2 -57.0	MS AZN 9.3 9.9 10.2 11.1 9.6 8.9 MS	-81.3 SEC TG 144. AZ SUN -82.8 -82.4 -81.3 -81.2 -63.6 -83.5 -81.3 SEC TG 142. AZ SUN -82.8 -82.4	32.7 TAB NO IMPACT .658  AZA .33.5 .33.0 .32.7 .31.3 .33.4 .34.8 .32.7 TAB NO IMPACT .978  AZA .33.5 .33.5 .33.5 .33.5	7.54924 70  ALT 331.9666. A. 7.74524 7.73745 7.46624 7.79961 8.03913 7.67652 7.46624 71  ALT 328.20214	0.871 ATLA 4 -8.60 6/A 0.832 0.871 0.824 0.793 0.871 ATLA LATLA 8 -8.71	-87.5  S PHOTO  LOII 994 -24.  AZPHAZ -91.3 -90.3 -87.5 -93.0 -93.0 -87.5 S PHOTO  LCI 13 -24.  AZPHAZ -91.3 -24.  AZPHAZ -91.3 -24.	NO N 7776 FOR 1 NO 1	70  R 2C67.42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 41.0 29.6  71  R 2063.65  PHAZ EMIS PHAZ EMIS PHAZ EMIS 27.8	26.4 POD \$ 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD \$ 7 2.437	32.48247  SEQUENCE NO  PTH -66.905 11  SCALE 0.35.65032 25.06410 34.81533 33.81827 36.16104 32.12356  SEQUENCE NO  PTH -66.878 11  SCALE 0.	6- 7 0 807 AZ 15.493 PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 0 809 AZ 15.467
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  JANUARY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126	23 MIN 24  RANGE 367.40534 365.25379 372.35394 400.92488 383.04707 372.35394	AZS/C -55.2 -57.0 -58.4 -58.4 SFC 821	MS AZN 9.3 9.9 10.2 11.1 9.6 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.8 -82.4 -81.3 -81.2 -63.6 -83.5 -81.3 SEC TC 142.  AZ SUN -82.8 -82.4 -82.8 -82.4	32.7 TAB NO  IMPACT .658  AZA .33.5 .33.0 .32.7 .31.3 .33.4 .34.8 .32.7 TAB NO  IMPACT .978  AZA .33.5 .33.0 .32.7 .33.5 .33.0 .32.7	7.54924 70  ALT 331.9666  A. 7.74527 7.79921 8.03913 7.67852 7.46624 71  ALT 328.20210 7.65899 7.65129 7.38316	0.871 ATLA  LAT 4 -8.c 6.832 6.833 6.871 0.824 6.793 6.871 ATLA  LAT 8 -8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7	-87.5  S PHOTO  LOII 94 -24.  AZPHAZ -91.3 -90.3 -87.5 -93.0 -87.5 -87.5 -87.5 S PHOTO  LCI 13 -24.  AZPHAZ -91.3 -90.3 -90.3 -90.3	NO NN N7776 INCC NO NN N7776 INCC NO NN N7776 NO NN NO N7735	70  R 2C67-42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 41.0 32.9 41.0 32.9 71  R 2063.65  PHAZ EMIS R 2063.65  PHAZ EMIS R 38.6 33.6 41.0 29.6	26.4 POD \$ 2 2.435 ALPHA 25.2 29.0 26.4 25.6 26.4 POD \$ V 7 2.437 ALPHA 25.2 29.0 20.4	32.48247 SEQUENCE NO PTH -66.905 11 SCALE 0. 35.65032 25.06410 34.81533 3.31827 36.16104 32.12356 SEQUENCE NO PTH -66.878 11 SCALE 0. 35.38388 24.78337	6- 7 0 807 15.493 PT-PT 0- 1 1-2 2-3 3-4 4-5 5-6-7 0 809 AL 15.487 PT-PT 0- 1 1-2 2-3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.969 5 -11.965 -18.737	RANGE 367.40534 345.25379 372.35394 400.92488 848.04707 372.35394	AZS/C -55.2 -57.0 -56.4 -62.9 -55.8 -58.4 -58.4 -58.4 -58.4 -58.5	AZN 3 9.9 10.2 19.6 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.8 -81.3 -81.2 -63.6 -83.5 -81.3 SEC TG 142.  AZ SUN -82.8 -82.4 -81.3 -81.1 -83.6	32.7 TAB NO  IMPACT 658  AZA 33.5 33.0 32.7 31.3 33.4 34.8 32.7  TAB NO  IMPACT 978  AZA 33.5 33.6 32.7 33.3 33.3 33.3 33.3 33.3 33.3 33.3	7.54924 70  ALT 331.9666  A. 7.74524 7.73745 7.46624 7.79941 8.03913 7.67652 71  ALT 328.2021 7.65899 7.65129 7.38316 7.71270 7.38316	0.871 ATLA  LAT 4 -8.6' 6/A C.832 C.833 0.871 0.824 C.793 C.841 ATLA  ATLA  8 -8.71 8 -8.71 0.824 0.871 0.871 0.871 0.871 0.874 0.873	-87.5  S PHOTO  LOII 94 -24.  AZPHAZ -91.3 -90.3 -87.5 -93.0 -93.0  LCI 3 -24.  AZPHAZ -91.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3 -90.3	NO N N N N N N N N N N N N N N N N N N N	70  R 2C67.42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 41.0 29.6  71  R 2063.65  PHAZ EMIS 42.0 27.8 38.6 33.6 43.6 43.6 43.6 43.6 43.6	26.4 POD 5 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD 5 4 V7 2.437 ALPHA 25.2 29.0 20.4 20.	32.48247  SEQUENCE NO  PTH -66.905 11  SCALE 0. 35.65032 25.06410 34.81533 33.81827 36.16104 32.12356  SEQUENCE NO  PTH -66.878 11  SCALE 0. 35.38388	A2 A2 A2 A2 A2 A2 B5.493 PT-PT O-1 1-2 2-3 3-4 4-5 5-6 6-7 O 809 A4 B5.487 PT-PT O-1 1-2 2-3 3-3 4-3 4-5 3-6 6-7 O 809
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.718 6 -11.961 -19.938 7 -10.936 -20.123  JULY 31,1701 12 100  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.969	23 MIN 24  RANGE 367.40534 365.25379 372.35394 400.92488 883.04707 372.35394 23 MIN 26 RANGE 263.25399 380.966344 268.21050	AZS/C +55.2 -57.0 -58.4 -62.9 -58.4	MS AZN 9.3 9.9 8.9 10.2 11.1 9.6 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.8 -81.3 -81.2 -63.6 -83.5 -81.3 SEC TG 142.  AZ SUN -82.8 -82.4 -81.3 -81.1 -83.6	32-7 TAB NO  IMPACT .658  AZA .33-5 .33-0 .32-7 .31-3 .33-4 .34-8 .32-7  TAB NO  IMPACT .978  -AZA .33-5 .33-6 .33-6 .33-6 .33-7 .33-8 .33-8 .33-8	7.54924 70  ALT 331.9666 7.74524 7.737452 7.46624 7.7991 8.03913 7.67852 7.46624  ALT 328.2021 ALT 328.2021 71  ALT 71 7.65899 7.65129 7.38316 7.7127 7.94941 7.97299	0.871 ATLA  LAT  -8.6'  8/A  C.832 C.832 C.831 0.871 0.824 C.793 C.841 C.871  ATLA  8 ATLA  6 C.832 C.833 0.871 0.824 0.793 0.821 0.824 0.793	-87.5  S PHOTO  LCI 94 -2491.3 -90.3 -93.0 -87.5 S PHOTO  LCI 13 -2413241490.3 -93.3 -93.3 -93.3 -93.3 -93.3	NO N 776 NO 1INCC 667.8868.868.1 NO N 735 NO 1NC 0688.8	70  R 2C67-42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 71  R 2063.65  PHAZ EMIS 42.0 27.8 88.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9	26.4 POD 5 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD 5 V 7 2.437 ALPHA 25.2 29.0 2.435 25.6 26.4	32.48247  SEQUENCE NO  PTH -66.905 11  SCALE 0. 35.65032 25.06410 34.81533 33.81827 36.16104 32.12356  SEQUENCE NO  PTH -66.878 11  SCALE 0. 35.38388 24.78337 34.42476 33.43878 35.75375	6- 7 0 807 A2 15.493 PT-PT 0- 1 1-2 2-3 3-4 4-5-6 6-7 0 809 A2 15.487 PT-PT 0-1 1-2 2-3 3-4 4-5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  URAJECTORY DATA  PHOTO DATA  PHOTO DATA PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.969 5 -11.965 -18.737 6 -11.967 -19.943 7 -10.934 -20.126	RANGE 367.40534 345.25379 372.35394 400.92488 843.04707 372.35394  RANGE 63.25399 22 MIN 26  RANGE 64.21050 384.75264 378.78020 368.21050	AZS/C -55.2 -57.0 -58.4 -58.4 -62.9 -58.4 -62.9 -58.4 -62.9 -57.0 -58.4 -62.9 -50.8	AZN 9.3 9.9 8.9 10.2 211.1 9.6 8.9	-81.3 SEC TG 144.  AZ SUN -82.8 -81.2 -63.6 -83.5 -81.3 SEC TG 142.  AZ SUN -82.8 -82.8 -81.3 SEC TG -83.5 -81.3	32-7 TAB NO  IMPACT .658  AZA .33.5 .33.0 .32.7 .31.3 .33.4 .34.8 .32.7 TAB NO  IMPACT .978  AZA .33.5 .33.0 .32.7 .31.3 .33.4 .34.8 .32.7 .31.3 .33.4 .34.8 .32.7	7.54924 70  ALT 331.9666 7.74524 7.737452 7.46624 7.7991 8.03913 7.67852 7.46624  ALT 328.2021 ALT 328.2021 71  ALT 71 7.65899 7.65129 7.38316 7.7127 7.94941 7.97299	0.871 ATLA  LAT 4 -8.6 8/A C.832 0.871 0.824 C.793 C.871 ATLA  LAT 8 -8.71 C.832 C.833 0.871 0.824 0.971 0.824 0.793 0.841 C.871	-87.5  S PHOTO  LOII 94 -24.  AZPHAZ -91.3 -87.5 -87.5 -93.0 -87.5 S PHOTO  LCI 3 -24.  AZPHAZ -91.3 -90.3 -87.5 -87.5 -93.0 -87.5 -93.0 -87.5 -93.0 -87.5	NO N	70  R 2C67.42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 41.0 29.6  71  R 2063.65  PHAZ EMIS 38.6 33.6 41.0 29.6 41.0 29.6 41.0 29.6 41.0 29.6	26.4 POD S ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD S 7 2.437 ALPHA 29.0 2.435 ALPHA 29.0 20.	92.48247  PTH -66.905 11  SCALE 0.35.65032 25.06410 34.81533 33.81827 36.16104 32.12356  SEQUENCE NO PTH -66.878 11  SCALE 0. 35.38388 24.78337 34.42476 35.75375 31.76452	6- 7 0 807  A2 15.493 PT-PT 0- 1 1-2 2-3 3-4 4-5 6-7 0 809  A2 15.487
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  JULY 31,1764 12 100  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.969 5 -11.965 -18.737 6 -11.967 -19.943 7 -10.934 -20.126	RANGE 367.40534 345.25379 372.35394 400.92488 843.04707 372.35394  RANGE 63.25399 22 MIN 26  RANGE 64.21050 384.75264 378.78020 368.21050	AZS/C -55.2 -57.0 -58.4 -58.4 -62.9 -58.4 -62.9 -58.4 -62.9 -57.0 -58.4 -62.9 -50.8	AZN 9.3 9.9 10.2 11.1 9.6 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.4 -81.3 -81.2 -63.6 -83.6 -81.3 SEC TG 142.  AZ SUN -82.8 -81.3 -81.1 -83.6 -83.5 -81.3	32.7 TAB NO  IMPACT 658  AZA 33.5 33.0 32.7 31.3 33.4 34.8 32.7  TAB NO  IMPACT 9.78  AZA 33.5 33.5 33.6 33.7 31.3 33.4 34.8 34.8 7 TAB NO	7.54924 70  ALT 331.9666 7.74524 7.737452 7.46624 7.7991 8.03913 7.67852 7.46624  ALT 328.2021 ALT 328.2021 71  ALT 71 7.65899 7.65129 7.38316 7.7127 7.94941 7.97299	0.871 ATLA  LAT 4 -8.6 8/A C.832 0.871 0.824 C.793 C.871 ATLA  LAT 8 -8.71 C.832 C.833 0.871 0.824 0.971 0.824 0.793 0.841 C.871	-87.5  S PHOTO  LCI 94 -2491.3 -90.3 -93.0 -87.5 S PHOTO  LCI 13 -2413241490.3 -93.3 -93.3 -93.3 -93.3 -93.3	NO N	R 2C67-42 PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 71 R 2063.65 PHAZ EMIS 42.0 27.8 38.6 33.6 41.0 29.6 36.4 34.6 61.0 29.6 36.4 34.6 41.0 29.6	26.4 POD \$  ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD \$  7 2.437  ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD \$	32.48247 SEQUENCE NO PTH -66.95 11 SCALE 0. 35.65032 25.06410 34.81533 3.81827 36.16104 32.12356 SEQUENCE NO PTH -66.878 11 SCALE 0. 35.38388 24.78337 34.42476 35.75375 31.76452 SEQUENCE NO	6- 7 D 807  A2 15.493 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 D 809  A2 15.487 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 D 811
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.981 -19.938 7 -10.936 -20.123  JULY 31,1767 12 10 10 10 10 10 10 10 10 10 10 10 10 10	RANGE 367.40534 345.25379 372.35394 400.92488 843.04707 372.35394  RANGE 63.25399 22 MIN 26  RANGE 64.21050 384.75264 378.78020 368.21050	AZS/C -55.2 -57.0 -58.4 -58.4 -62.9 -58.4 -62.9 -58.4 -62.9 -57.0 -58.4 -62.9 -50.8	AZN 9.3 9.9 10.2 11.1 9.6 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.8 -81.2 -63.6 -83.5 -81.3 SEC TG 142.  AZ SUN -82.8 -82.4 -81.3 -81.1 -83.6 -83.5 -81.3	32-7 TAB NO  IMPACT .658  AZA .33.5 .33.0 .32.7 .31.3 .33.4 .34.8 .32.7 TAB NO  IMPACT .978  AZA .33.5 .33.0 .32.7 .31.3 .33.4 .34.8 .32.7 .31.3 .33.4 .34.8 .32.7	7.54924 70  ALT 331.9666  A. 7.74527 7.79921 8.03913 7.67852 7.46624 71  ALT 328.2021 7.59899 7.65129 7.38316 7.71270 7.39316 7.71270 7.39316 72	0.871 ATLA  LAT 4 -86 8/A 6.832 0.871 0.824 0.793 0.871 ATLA  LAT 8 -87 0.832 0.871 0.824 0.793 0.871 0.824 0.793 0.871 0.871 ATLA	-87.5  S PHOTO  LOII 94 -24.  AZPHAZ -91.3 -87.5 -87.5 -87.5 S PHOTO  LCI 13 -24.  AZPHAZ -93.0 -87.5 -87.5 S PHOTO  BCI 13 -24.  AZPHAZ -91.3 -	NO N7776 INCC 67.88 668.1 69.2 668.8 NO N7735 INCD 868.8 NO N7735 NO N7735 NO N7735	70  R 2C67.42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 41.0 29.6  71  R 2063.65  PHAZ EMIS 38.6 33.6 43.7 41.0 29.6 41.0 29.6 41.0 29.6 71  R 2063.65	26.4 POD \$  2 2.435  ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4  POD \$  7 2.437  ALPHA 25.2 29.0 26.4 25.6 26.4  POD \$	32.48247  PTH -66.905 11  SCALE 0. 35.65032 25.06410 34.81533 33.81827 36.16104 32.12356  SEQUENCE NO PTH -66.878 11  SCALE 0. 35.8388 24.78337 34.42476 33.43878 35.75375 31.76452 SEQUENCE NO	6- 7 0 807  A2 15.493  PT-PT 0- 1 1- 2 2- 3 3- 4 4- 5 6- 7 0 809  A2 15.487  PT-PT 0-1 1- 2 2- 3 3- 4 4- 5 6- 7 0 811
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.718 6 -11.961 -19.938 7 -10.936 -20.123  JANUARY DATA  PHOTO DATA  PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.969 5 -11.967 -19.943 7 -10.934 -20.126 4 -10.885 -18.969 5 -11.967 -19.943 7 -10.934 -20.126 JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 367.40534 345.25379 372.35394 400.92488 843.04707 372.35394 23 MIN 26  RANGE 63.25399 30.96,344 368.21050 384.75264 378.78020 368.21050	AZS/C -55.2 -57.0 -58.4 -58.4 SEC 501	AZN 39.9 8.9 11.1 9.6 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.8 -81.2 -81.2 -83.5 -81.3 SEC TG 142.  AZ SUN -82.8 -82.4 -81.3 -81.1 -83.6 -83.5 -81.3	32-7 TAB NO  IMPACT 658  AZA 33-5 33-0 32-7 31-3 33-4 34-8 32-7 TAB NO  IMPACT 978  AZA 33-5 33-0 32-7 31-3 33-5 33-7 TAB NO IMPACT 299	7.54924 70  ALT 331.9666  A. 7.74524 7.73745 7.46624 71  ALT 328.2021i A. 7.5899 7.65129 7.38316 7.71270 7.38316 7.71270 7.38316	0.871 ATLA  LAT 4 -8.6' 8/A C.832 C.833 0.871 0.824 C.793 C.841 ATLA  ATLA  8 -8.7' 8 /A C.832 C.833 0.871 0.874 C.832 C.833 0.871 C.871 ATLA  ATLA	-87.5 S PHOTO  LOII 94 -24.  AZPHAZ -91.3 -90.3 -87.5 -93.3 -93.5 S PHOTO  LCI 13 -24.  AZPHAZ -90.3 -97.5 S PHOTO  LCI 13 -90.3 -97.5 -97.5 S PHOTO  LCI 13 -90.3 -97.5 -97.5 S PHOTO	NO N7776 INCC 8668.88 668.88 668.88 668.88 10.00 N7735 INCO 88 10.	70  R 2C67.42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 71  2063.65  PHAZ EMIS 80.4 34.6 41.0 29.6 71  2063.65  PHAZ EMIS 41.0 29.6 71  2063.65  PHAZ EMIS 41.0 29.6 72  R 2059.89	26.4 POD \$  2 2.435  ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4  POD \$  7 2.437  ALPHA 25.2 29.0 26.4 32.2 31.5 32.6 4 POD \$  2.437	32.48247 SEQUENCE NO PTH -66.905 11 SCALE 0. 35.65032 25.06410 34.81533 33.81827 36.16104 A2.12356 SEQUENCE NO PTH -66.878 11 SCALE 0. 35.38388 24.78337 34.42476 35.75375 31.76452 SEQUENCE NO PTH -66.851 11	6- 7 D 807  A2 15.493 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 D 809  A2 15.487 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 D 811
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  JANUARY DATA  PHOTO DATA  PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.969 5 -11.967 -19.943 7 -10.934 -20.126 4 -10.885 -18.969 5 -11.967 -19.943 7 -10.934 -20.126 JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 1 RAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 1 RAJECTORY DATA	23 MIN 24  RANGE 367.40534 345.25379 372.35394 400.92488 843.04707 372.35394  23 MIN 25  RANGE 663.25399 40.96,544 468.21050 384.75264 468.21050 23 MIN 27	AZS/C 141  AZS/C -55.2 -57.0 -58.4 -58.4  FC 821  AZS/C -55.2 -57.0 -58.4 -62.9  AZS/C -55.2 -57.0 -58.4 -62.8 -50.8 -58.4	AZN 39.9 8.9 10.1 9.6 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.8 -81.3 -81.2 -83.5 -81.3 SEC TG 142.  AZ SUN -82.8 -82.8 -81.3 SEC TG 141.4 -81.3 -81.1 -83.6 -83.5 -81.3	32-7 TAB NO  IMPACT 658  AZA 33-5 33-0 32-7 31-3 33-4 34-8 32-7 TAB NO  IMPACT 978  AZA 33-5 33-0 32-7 31-3 33-5 33-7 TAB NO  IMPACT 299  AZA 34-8 32-7 TAB NO	7.54924 70  ALT 331.9666  A. 7.74524 7.73745 7.46624 7.73941 8.03913 7.67652 7.46624 7.55899 7.65129 7.38316 7.71270 7.38316 7.71270 7.38316 7.71270 7.38316	0.871 ATLA  LAT 4 -8.6' 8/A C.832 C.833 0.871 0.824 C.793 C.841 ATLA  8 -8.71 8 -8.71 C.832 C.833 0.871 0.824 C.832 C.833 0.871 C.832 C.833 C.871 C.832 C.833	-87.5  S PHOTO  LOII 94 -24.  AZPHAZ -91.3 -90.3 -87.5 -93.0 -93.0 -87.5 S PHOTO  LCI 13 -24.  AZPHAZ -91.3 -90.3 -87.5 -87.5 S PHOTO  LCI 3 -24.  AZPHAZ -91.3 -90.3 -87.5 -87.5 S PHOTO	NO	70  R 2C67.42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 41.0 29.6 71  R 2063.65  PHAZ EMIS 8.6 33.6 41.0 29.6 71  2063.65  PHAZ EMIS 8.6 33.6 41.0 29.6 71  R 2063.65  PHAZ EMIS 8.6 33.6 41.0 29.6 72  R 2059.89  PHAZ EMIS 8.8	26.4 POD : 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD : 7 2.437 ALPHA 29.0 20.4 32.2 31.5 25.6 26.4 POD : 7 2.437	32.48247  SEQUENCE NO  PTH -66.905 11  SCALE 0. 35.65032 25.06410 34.81533 33.81827 36.16104 32.12356  SEQUENCE NO PTH -66.878 11  SCALE 0. 35.38388 24.78337 34.42476 35.75375 31.76452  SEQUENCE NO PTH -66.851 11  SCALE	6- 7 0 807  A2 15.493  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 809  A2 15.487  PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 811
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  JAMES CORY DATA PHOTO DATA PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.737 6 -11.967 -19.943 7 -10.934 -20.126  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.934 -20.126  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -11.421 -19.472 3 -10.931 -20.126 4 -10.883 -18.737	RANGE 367.40534 345.25379 372.35394 400.92488 843.04707 372.35394  RANGE 663.25399 23 MIN 25  RANGE 376.66932 364.06336 400.43311	AZS/C -55.2 -57.0 -58.4 -62.9 -55.2 -57.0 -58.4 -62.1 AZS/C -55.2 -57.0 -58.4 -62.9 -58.4 SEC 501	AZN 39.9 8.9 10.1 9.6 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.8 -81.3 -81.2 -83.5 -81.3 SEC TG 142.  AZ SUN -82.8 -82.8 -81.3 SEC TG 141.4 -81.3 -81.1 -83.6 -83.5 -81.3	32-7 TAB NO  IMPACT 658  AZA 33-5 33-0 32-7 31-3 33-4 34-8 32-7 TAB NO  IMPACT 978  AZA 33-5 33-0 32-7 31-3 33-5 33-7 TAB NO  IMPACT 299  AZA 34-8 32-7 TAB NO	7.54924 70  ALT 331.9666  A. 7.74524 7.73745 7.46624 7.79961 8.03913 7.67652 71  ALT 328.2021i 7.65899 7.65129 7.38316 7.71270 7.38316 7.71270 7.38316 7.71270 7.38316 7.71270 7.38316	0.871 ATLA  LAT -8.6  6/A  0.832 0.871 0.824 0.871 ATLA  ATLA  8.637  8.632 0.871 0.824 0.793 0.841 0.793 0.841 0.793 0.841 0.793 0.841 0.793 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841	-87.5  S PHOTO  LOII 94 -24.  AZPHAZ -91.3 (	NO N	70  R 2C67-42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 34.6 41.0 32.9 71  R 2063.65  PHAZ EMIS 41.0 32.9 41.0 29.6 72  R 2059.89  PHAZ EMIS 86.4 33.6 41.0 29.6 72  R 2059.89	26.4 POD : 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD : 7 2.437 ALPHA 25.2 29.0 26.4 25.6 26.4 POD : 7 2.437	32.48247  SEQUENCE NO  PTH -66.905 11  SCALE 0. 35.65032 25.06410 34.81533 33.81827 36.16104 32.12356  SEQUENCE NO  PTH -66.878 11  SCALE 0. 35.38388 24.78337 34.42476 33.43878 35.75375 31.76452 SEQUENCE NO  PTH -66.851 11  SCALE 0. 24.50243	6- 7 0 807  A2 15.493  PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 0 809  A2 15.487  PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 811
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.961 -19.938 7 -10.936 -20.123  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.969 5 -11.967 -19.943 7 -10.934 -20.126  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.421 -19.472 3 -10.934 -20.126  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.421 -19.472 3 -10.931 -20.129 4 -10.883 -18.985 5 -11.951 -10.755	23 MIN 24  RANGE 367.40534 3d5.25379 372.35394 349.08838 383.04707 372.35394 23 MIN 26  RANGE 363.25399 380.96344 368.21050 23 MIN 27  RANGE 376.66932 364.06338 380.41311 911.77219	AZS/C -55.2 -57.0 -58.4 -62.9 -55.8 -50.8 -58.4 SEC 501	MS AZN 39.9 8.9 10.2 11.10 8.9 MS AZN 8.9 10.2 11.10 8.9 MS	-81.3 SEC TG 144.  AZ SUN -82.4 -81.3 -81.2 -61.2 -61.3 -81.3 SEC TG 142.  AZ SUN -82.4 -81.3 -81.1 -83.6 -81.3	32-7 TAB NO  IMPACT 658  AZA 33-5 33-0 32-7 31-3 34-8 32-7 TAB NO  IMPACT 978  AZA 33-5 33-0 32-7 31-3 32-7 TAB NO  IMPACT 299  AZA 33-0 32-7 31-3 33-4 34-8 32-7 TAB NO	7.54924 70  ALT 331.9666  A. 7.74524 7.73745 7.46624 7.79961 8.03913 7.67652 71  ALT 328.2021i 7.65899 7.65129 7.38316 7.71270 7.38316 7.71270 7.38316 7.71270 7.38316 7.71270 7.38316	0.871 ATLA  LAT -8.6  6/A  0.832 0.871 0.824 0.871 ATLA  ATLA  8.637  8.632 0.871 0.824 0.793 0.841 0.793 0.841 0.793 0.841 0.793 0.841 0.793 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841	-87.5  S PHOTO  LOII 94 -24.  AZPHAZ -91.3 (	NO N	70  R 2C67-42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 34.6 41.0 32.9 71  R 2063.65  PHAZ EMIS 41.0 32.9 41.0 29.6 72  R 2059.89  PHAZ EMIS 86.4 33.6 41.0 29.6 72  R 2059.89	26.4 POD : 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD : 7 2.437 ALPHA 25.2 29.0 26.4 25.6 26.4 POD : 7 2.437	92.48247  SEQUENCE NO  PTH -66.95 11  SCALE 0.35.65032 25.06410 34.81533 33.81827 36.16104 32.12356  SEQUENCE NO  PTH -66.878 11  SCALE 0.35.8388 24.78337 34.42476 35.75375 31.76452 SEQUENCE NO  PTH -66.851 11  SCALE 0.  SCALE	6- 7 0 807  AZ 15.493 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 0 809  AZ 15.487  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 811  AZ 15.480 PT-PT 1-2 3-3-4 4-5 4-5 4-5 4-5 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.717 -20.400 2 -11.437 -19.451 3 -10.936 -20.123 4 -10.886 -18.953 5 -11.979 -18.716 6 -11.961 -19.938 7 -10.936 -20.123  JAMES CORY DATA PHOTO DATA PT LAT LON 1 -10.716 -20.404 2 -11.429 -19.462 3 -10.934 -20.126 4 -10.885 -18.737 6 -11.967 -19.943 7 -10.934 -20.126  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.934 -20.126  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -11.421 -19.472 3 -10.931 -20.126 4 -10.883 -18.737	RANGE 367.40534 345.25379 372.35394 349.08838 400.92488 843.04707 372.35394 22 MIN 26  RANGE 63.25399 340.96,544 468.21050 384.75264 396.45041 378.78020 368.21050 23 MIN 27	AZS/C -55.8 -58.4  AZS/C -55.8 -58.4  AZS/C -57.0 -58.4 -62.9 -55.8 -58.4  SEC 501	AZN 39.9 8.9 11.1 9.6 8.9 MS	-81.3 SEC TC 144.  AZ SUN -82.8 -82.8 -81.3 -81.2 -63.6 -83.5 -81.3 SEC TC 142.  AZ SUN -82.8 -62.4 -81.3 -81.1 -83.6 -63.5 -81.3	32.7 TAB NO  IMPACT .658  AZA .33.5 .33.0 .32.7 .31.3 .34.4 .34.8 .32.7  TAB NO  IMPACT .978  AZA .33.5 .33.4 .34.8 .32.7  TAB NO  IMPACT .299  AZA .33.6 .33.4 .34.8 .34.8  IMPACT .299  AZA .34.8	7.54924 70  ALT 331.9666  A. 7.74524 7.73745 7.46624 7.79961 8.03913 7.67652 71  ALT 328.2021i 7.65899 7.65129 7.38316 7.71270 7.38316 7.71270 7.38316 7.71270 7.38316 7.71270 7.38316	0.871 ATLA  LAT -8.6  6/A  0.832 0.871 0.824 0.871 ATLA  ATLA  8.637  8.632 0.871 0.824 0.793 0.841 0.793 0.841 0.793 0.841 0.793 0.841 0.793 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841 0.841	-87.5  S PHOTO  LOII 94 -24.  AZPHAZ -91.3 (	NO N	70  R 2C67-42  PHAZ EMIS 42.0 27.9 38.6 33.6 41.0 29.6 36.4 37.7 41.0 32.9 41.0 29.6  71  R 2063.65  PHAZ EMIS 38.6 33.6 43.6 43.6 43.6 41.0 29.6  72  R 2059.89  PHAZ EMIS 38.6 33.6 41.0 29.6	26.4 POD : 2 2.435 ALPHA 25.2 29.0 26.4 32.2 31.5 25.6 26.4 POD : 7 2.437 ALPHA 25.2 29.0 26.4 25.6 26.4 POD : 7 2.437	32.48247 SEQUENCE NO PTH -66.905 11 SCALE 0.35.65032 25.06410 34.81533 33.81827 36.16104 32.12356 SEQUENCE NO PTH -66.878 11 SCALE 0.33.33878 35.75375 31.76452 SEQUENCE NO PTH -66.851 11 SCALE 0.24.50243 34.03389	AZ A

			_ RA-YII	CAMERA	P3		-	
				TAB NO	73	ATLAS PHOTO NO	73	POD SEQUENCE NO 813
JULY 31,1964 13 HR	23 MIN 29 SE	EC 181 MS						
TRAJECTORY DATA			SEC TO 139.	IMPAÇT 619	ALT 320.66748	LAT LGN -8.752 -24.653	R 2056.123	V PTH AZ 2.441 -66.823 115.473
PHOTO DATA	241/05	11010 41		474	Δ.	B/A AZPHAZ INC	D DHA! EMIS	ALPHA SCALE PT-PT
PHOTO DATA PT LAT LON 2 -11.413 -19.483	372 37080 -	AZS/C AZ	N AZSUN 9 -82.4	33.0	7-47871 (	0.833 -90.3 68.	7 38.6 33.5	29.0 0. 1- 2 26.4 24.22109 2- 3 32.1 33.64266 3- 4
3 -10.929 -20.131	359.91206	-58.4 8.	9 -82.4 9 -81.2 2 -81.1	32.7	7.21676	0.871 -87.5 68.	1 41.0 29.6	26.4 24.22109 2- 3
4 -10.881 -19.001	3/6.06926 -	-62.9 10.	2 -81.1	31.3	7.53863	0.824 -87.3 69.	2 36.4 34.6 5 36.4 37.6	32.1 33.64266 3-4
5 -11.937 -18.774	387.48951 370.23466	-55.8 11.	0 -83.6	33.4	7.76973	0.794 -93.3 69.	5 36.4 37.6	3114
6 -11.939 -19.953	370.23466	-50 • 8 9.	.683.5 .	. 34.7		0.841 -93.0 68. C.871 -87.5 68.	3.41.0.32.4. 1 41.0 29.6	
7 -10.929 -20.131	359.91206	-58.4 8	9 -81.2	TAB NO	7.21676 ·	ATLAS PHOTO NO	74	POD SEQUENCE NO 815
JULY 31:1964 13 HF	23 MIN 30 Si	EC BOL MS		170 110	, ,	ALLE THOSE NO		•
								U DTU A7
TRAJECTORY DATA			SEC. TO 137	1MPAGI. 934	316.89713	-8.771 -24.612	2052.352	Y PTH AZ 2.443 -66.796 115.466
PHOTO DATA PT LAT LON	RANGE	AZS/C A	N AZSUN	AZA	A •	B/A AZPHAZ INC	D PHAZ EMIS	ALPHA SCALE PT-PT
2 -11.405 -19.493 3 -10.927 -20.135	368.06662	-57.0 9	N AZ SUN	33.0	7.39227	0.834 -90.3 68.	7 38.6 33.5	29.0 0. 1-2
3 -10.927 -20.135	355.75546	-58.4 8	9 -81.2	32.7	7.13342	0.871 -87.5 68.	1 41.0 29.6	26.4 23.93938 2- 3
4 -10.013 -13.010			281.1	31.3	7.45145	0.825 -87.3 69.	1 36.4.34.6	32.1 33.25090 3-4 31.4 32.29805 4-5
5 -11.923 -18.793		-55.8 11	0 -83.6	33.4	1.6/9/2	0./94 -93.3 69.	5 36.4 37.6 3 41.0 32.9	31.4 32.29805 4- 5 25.6 34.52977 5- 6
6 -11.925 -19.958		-50.8 9 -58.4 8	6 -83.5		7.33588 7.13342	0.871 -87.5 68.	1 41.0 29.6	26.4 30.68493 6- 7
7 -10.927 -20.135	355.75546	-50.4 0						
JULY 31,1964 13 H	23 MIN 32.5	EC 541 MS		TAB NO	75	ATLAS PHOTO NO	75	POD SEQUENCE NO 817
						1.47 1.00	u	V PTH AZ
TRAJECTURY DATA			SEC TO 136	1MPACT .259	ALT 313.12500	LAT LON -8.790 -24.571	2048.580	2.444 -66.768 115.459
PHOTO DATA	HANCE	4757C A	N AZSIIN	AZA	A =	B/A AZPHAZ INC	D PHAZ EMIS	ALPHA SCALE PT-PT
PT LAT LON 2 -11.397 -19.504	163.75882	-57-0 9	9 -82.4	33.0	7.30575	0.834 -90.3 684	7 38.6 33.5	29.0 0. 1-2
3 -10.924 -20.138	351.59531	-58.4 B	9 -81.2	32.7	7.05000	0.871 -87.5 68.	.0 41.0 29.0	20.4 23.03/33 2-3
4 -10.877 -19.034	367.36681	-62.8 10	.2 -81.1	31.3	7.36419	0.825 -87.3 69	1 36.4 34.6	32.1 32.85887 3- 4 31.4 31.91705 4- 5
5 -11.908 -18.812	378.50846	-55.8 11		33.4	7.58964		4 36.4 37.5	
6 -11.911 -19.964	361.66973	-50.8 9		34.7	7.25000 7.05000	0.841 -93.0 68	.3 41.0 32.9 .0 41.0 29.6	25.6 34.12103 5- 6 26.4 30.32437 6- 7
7 -10.924 -20.138	351.59531	-58.4 8	.9 -81.2	32.7	7.05000	0.011 -01.5 00.	.0 41.0 27.0	2001 30032.31 0 .
**				TAB NO	76	ATLAS PHOTO NO	76	POD SEQUENCE NO 819
JULY 31,1964 13 H				TAB NO				•
TRAJECTORY DATA	R 23 MIN 34 S	SEC 220 MS	SEC 10	IMPACT	ALT		_	•
TRAJECTORY DATA	R 23 MIN 34 S	SEC 220 MS	SEC 10	IMPACT	ALT	LAT LCN 4 -8.810 -24.52	R 9 2044.80	V PTH AZ 6 2.446 -66.741 115.452
TRAJECTORY DATA	R 23 MIN 34 S	SEC 220 MS	SEC 10	IMPACT	ALT	LAT LCN 4 -8.810 -24.52	R 9 2044.80	V PTH AZ 6 2.446 -66.741 115.452 ALPHA SCALE PT-PT
TRAJECTORY DATA	R 23 MIN 34 S	SEC 220 MS	SEC 10	IMPACT	ALT	LAT LCN 4 -8.810 -24.52	R 9 2044.80	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1- 2 26.4 23.37528 2- 3
TRAJECTORY DATA	R 23 MIN 34 S	SEC 220 MS	SEC 10	IMPACT	ALT	LAT LCN -8.810 -24.52' B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 69 0.825 -87.3 69	R 9 2044.80 CD PHAZ EMIS .7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.40653 3-4
TRAJECTORY DATA	R 23 MIN 34 S	SEC 220 MS	SEC 10	1MPACT •579 AZA 33.0 32.7 31.4	ALT 309.35C54 A* 7.21914 6.96650 7.27685 7.49948	LAT LCN -8.810 -24.52 B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.3 69 0.794 -93.3 69	R 9 2044.80 CD PHAZ EMIS .7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5
TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.14 4 -10.875 -19.050 5 -11.894 -18.831	RANGE 359.44672 347.43096 363.00952 374.01189	AZS/C 4 -57.0 5 -58.4 8 -62.8 10 -55.8 15	SEC TO 134 ZN AZ SUN .9 -82.4 .9 -81.2 .2 -81.1 .0 -83.6	1MPACT •579 AZA 33.0 32.7 31.4	ALT 309.35C54 A* 7.21914 6.96650 7.27685 7.49948	LAT LCN -8.810 -24.52 B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.3 69 0.794 -93.3 69	R 9 2044.80 CD PHAZ EMIS .7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5
	RANGE 359.44672 347.43096 363.00952 374.01189 357.38125	AZS/C 4 -57.0 5 -58.4 8 -62.8 10 -55.8 15	SEC TO 134 ZN AZ SUN .9 -82.4 .9 -81.2 .2 -81.1	1MPACT •579 AZA 33.0 32.7 31.4	ALT 309.35C54 A* 7.21914 6.96650 7.27685 7.49948	LAT LCN 4 -8.810 -24.52' B/A AZPHAZ IN 0.834 -90.3 68 C.871 -87.5 68 C.825 -87.3 69 C.825 -87.3 69 C.841 -93.0 68	R 9 2044.80 CD PHAZ EMIS .7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141	RANGE 359.44672 347.43096 363.00952 374.01189 351.38125 347.43096	AZS/C 4-57.0 9-58.4 6-62.8 10-20.9 9-58.4 8	SEC TO 134 ZN AZ SUN .9 -82.4 .9 -81.2 .2 -81.1 .0 -83.6 .9 -83.5	1MPACT •579 AZA 33.0 32.7 31.4	ALT 309.35C54 A* 7.21914 6.96650 7.27685 7.49948	LAT LCN -8.810 -24.52 B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.3 69 0.794 -93.3 69	R 9 2044.80 CD PHAZ EMIS .7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6 .4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.144 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.989	RANGE 359.44672 347.43096 363.00952 374.01189 351.38125 347.43096	AZS/C 4-57.0 9-58.4 6-62.8 10-20.9 9-58.4 8	SEC TO 134 ZN AZ SUN .9 -82.4 .9 -81.2 .2 -81.1 .0 -83.6 .9 -83.5	AZA 33.0 32.7 31.4 33.4 34.7	ALT 309.35C54 A* 7.21914 6.96650 7.27685 7.49948 7.16404 6.96650	B/A AZPHAZ IN 0.834 -90.3 68 0.834 -90.3 68 0.871 -87.5 68 0.825 -87.3 69 0.794 -93.0 68 0.841 -93.0 68 0.871 -87.5 68	R 9 2044.80 CD PHAZ EMIS .7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6 .4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 25.6 33.71200 5-6 26.4 29.96339 6-7
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141	RANGE 359.44672 347.43096 363.00952 374.01189 351.38125 347.43096	AZS/C 4-57.0 9-58.4 6-62.8 10-20.9 9-58.4 8	SEC TO 134 ZN AZSUN .9 -81.2 .2 -81.1 .0 -83.6 .9 -81.2 SEC TO	AZA 33.0 32.7 31.4 33.4 34.7	ALT 309.35054 A. 7.21914 6.96650 7.27685 7.49948 1.16404 6.96650	B/A AZPHAZ IN 0.834 -90.3 68 0.834 -90.3 68 0.825 -87.3 69 0.794 -93.3 69 0.794 -93.3 69 0.825 -87.3 69 0.794 -93.0 68 0.871 -87.5 68	9 2044.80 CO PHAZ EMIS 7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6 .4 36.4 37.6 .3 41.0 32.9 .0 41.0 29.6	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 25.6 33.71200 5-6 26.4 29.96339 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA	RANGE 359.44672 347.43096 363.00952 374.01189 .357.38125. 347.43096	AZS/C 4-57.0 9-58.4 8-62.8 10-50.9 9-58.4 8	SEC TO 134 ZN AZ SUN .9 -82.4 .9 -81.2 .2 -81.1 .0 -83.6 .9 -81.2 SEC TO	1 MPACT .579  AZA 33.0 32.7 31.4 34.7 32.7  TAB NO	ALT 309.35054 7.21914 6.96650 7.276650 7.49948 7.16404 6.96650 77	B/A AZPHAZ IN 0.834 -90.3 68 0.834 -90.3 68 0.871 -87.5 68 0.825 -87.3 69 0.794 -93.3 69 0.794 -93.3 69 0.794 -93.3 69 0.794 -793 -793 -793 -793 -793 -793 -79	R R 9 2044.80 CD PHAZ EMIS 7 38.6 33.5 .0 41.0 29.6 .4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6 D 77	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1- 2 26.4 23.37528 2- 3 32.1 32.46653 3- 4 31.3 31.53584 4- 5 25.6 33.71200 5- 6 26.4 29.96339 6- 7  POD SEQUENCE NO 821  V PTH AZ 19 2.448 -66.713 115.446
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA	RANGE 359.44672 347.43096 363.00952 374.01189 .357.38125. 347.43096	AZS/C 4-57.0 9-58.4 8-62.8 10-50.9 9-58.4 8	SEC TO 134 ZN AZSUN .9 -81.2 .2 -81.1 .0 -83.5 .9 -83.5 .9 -81.2 SEC TO	1 MPACT	ALT 309-35C54 7-21914 6-96650 7-27685 7-49948 1-16404 6-96650 77 ALT 305-5742	B/A AZPHAZ IN 0.834 -90.3 68 0.837 -90.3 68 0.871 -87.5 68 0.825 -87.3 69 0.794 -93.3 69 0.794 -93.3 69 0.794 -93.5 68 ATLAS PHOTO N	9 2044.80 CO PHAZ EMIS 7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6 4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6 D 77	V PTH AZ  6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53564 4-5 25.6 33.71200 5-6 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 19 2.448 -66.713 115.446 3 ALPHA SCALE PT-PT 29.0 0. 1-2
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -9.050 5 -11.894 -18.831 6 -11.894 -19.950 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.381 -19.526	RANGE 359.44672 347.43096 363.00952 374.01189 357.38125 347.43096 R 23 MIN 35 S	AZS/C / -57.0 6.58.4 E 62.8 10 -58.4 E 62.8 10 -58.4 E 62.8 10 -58.4 E 62.8 10 -58.4 E 62.8 6	SEC TO 134  ZN AZSUNA.9 -82.4 .9 -82.4 .0 -83.6 .0 -83.6 .9 -81.2  SEC TO 132  ZN AZSUNA.9 -82.4	1PPACT .579  AZA 33.0 32.7 31.4 33.4 33.4 7 32.7 TAB NO	ALT 309.35054 7.21914 6.96650 7.27665 7.49948 1.16404 6.96650 77 ALT 305.57421 Ae 7.13246	B/A AZPHAZ IN 0.834 -90.3 68 0.837 -90.3 68 0.871 -87.5 68 0.825 -87.3 69 0.794 -93.3 69 0.794 -93.3 69 0.794 -93.5 68 ATLAS PHOTO N	9 2044.80 CO PHAZ EMIS 7 38.6 33.5 .0 41.0 29.6 .1 36.4 34.6 4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6 D 77	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 25.6 33.71200 5-6 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 2.448 -66.713 115.446 6 ALPHA SCALE PT-PT 1 29.0 0. 1-2 2.4.4 23.09290 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.144 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.909 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.381 -19.522 3 -10.919 -20.144	RANGE 359.44672 347.43096 363.00952 374.01189 357.38125 347.43096 R 23 MIN 35 S	AZS/C 4 -57.0 5 -58.4 E -50.9 5 -58.4 E -50.9 5 -58.4 E -50.9 5 -58.4 E -50.9 5 -58.4 E	SEC TO 134  ZN AZSUN .9 -82.4 .9 -81.2 .2 -81.1 .0 -83.6 .5 -83.6 .9 -81.2  SEC TO 132  ZN AZSUN .9 -82.4	1PPACT .579  AZA 33.0 32.7 31.4 34.7 32.7 TAB NO 1 1PPACT .899	ALT 309-35054 7-21914 6-96650 7-27685 7-49948 6-16404 6-96650 77 ALT 305-5742	B/A AZPHAZ IN 0.834 -90.3 68 0.834 -90.3 68 0.871 -87.5 68 0.871 -87.5 68 0.874 -93.0 68 C.875 -87.3 69 0.794 -93.3 69 0.794 -93.4 69 0.874 -87.5 68 ATLAS PHOTO N  LAT LCN C -8.829 -24.48 8/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 68 0.871 -87.5 58	R R 9 2044.80 CD PHAZ EMIS 7 38.6 33.5 4 1.0 29.6 4 36.4 37.5 4 1.0 29.6 D 77 R R 8 2041.02 10 29.6 CD PHAZ EMIS 7 38.6 33.1 4 1.0 29.6 11 36.4 34.1 36.4 34.1	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 25.6 33.71200 5-6 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 29.2448 -66.713 115.446 32.448 SCALE PT-PT 32.6 23.09290 2-3 32.1 32.07386 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.146 4 -10.873 -19.063	RANGE 359.44672 347.43096 363.00952 374.01189 _351.38125 _347.43096  R 23 MIN 35 S	AZS/C 4 -57.0 5 -58.4 E -50.9 5 -58.4 E -50.9 5 -58.4 E -50.9 5 -58.4 E -50.9 5 -58.4 E	SEC TO 134  ZN AZSUNA.9 -82.4 .9 -82.4 .0 -83.6 .0 -83.6 .9 -81.2  SEC TO 132  ZN AZSUNA.9 -82.4	1PPACT .579  AZA 33.0 32.7 31.4 34.7 32.7 TAB NO 1 1MPACT .899  AZA 33.0 32.7 33.0 2 32.7 31.4 31.4 31.7 31.7	ALT 309-35C54 7-21914 6-96650 7-27685 7-49948 1-16404 6-96650 77 ALT 305-5742 Ae 7-13246 6-88292 7-18943 7-40924	B/A AZPHAZ IN 0.834 -90.3 68 0.825 -87.3 69 0.794 -93.3 69 0.841 -87.5 68 ATLAS PHOTO N  LAT	9 2044.80 CCO PHAZ EMIS .7 36.6 33.5 .0 41.0 29.6 .4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6 D 77  R 2041.02 .CO PHAZ EMIS7 38.6 33.50 41.0 29.61 36.4 34.54 36.4 37.54 36.4 37.5	V PTH AZ  ALPHA SCALE PT-PT  29.0 0. 1-2  26.4 23.37528 2-3  32.1 32.46653 3-4  31.3 31.53584 4-5  25.6 33.71200 5-6  26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ  19 2.448 -66.713 115.446  (ALPHA SCALE PT-PT  1 29.0 0. 1-2  2 26.4 23.09290 2-3  3 32.1 32.07386 3-4  5 31.3 31.15416 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.144 4 -10.875 -19.050 6 -11.894 -18.831 6 -11.894 -18.831 6 -11.894 -18.831 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.144 4 -10.873 -19.065 5 -11.880 -18.851	RANGE 359.44672 347.43096 363.00952 374.01189 2571.38125 347.43096  R 23 MIN 35 \$  RANGE 355.13088 343.26292 358.64846 369.51162 359.08906	AZS/C / -57.0 S -58.4 E -520.9 S SEC 900 MS	SEC TO 134  ZN AZ SUN .9 -82.4 .9 -81.2 .2 -81.1 .0 -83.6 .9 -81.2  ZN AZ SUN .9 -82.4 .9 -81.2 .0 -83.6 .9 -81.6 .0 -83.6 .0 -83.6	1PPACT .579  AZA 33.0 .32.7 .31.4 .34.7 .32.7 TAB NO .1MPACT .899  AZA 33.4 .23.4 .33.4 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .34.7 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .34.7 .33.6 .3	ALT 309.35C54 7.21914 6.96650 7.27685 7.49948 1.16404 6.96650 77 ALT 305.5742 4.668292 7.18943 7.40924 7.07800	B/A AZPHAZ IN 0.834 -90.3 68 0.825 -87.3 69 0.794 -93.0 68 C.871 -87.5 68 C.871 -87.5 68 ATLAS PHOTO N  LAT LCN C -8.829 -24.48 0.834 -90.3 69 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68	R R 9 2044.80 CD PHAZ EMIS 7 38.6 33.5 41.0 29.6 4 36.4 37.5 3 41.0 29.6 D 77 R R 8 2041.02 6 33.1 1 36.4 34.1 1 36.4 34.1 1 36.4 34.1 34.1 34.3 41.0 32.4 34.1 32.4 34.1 32.4 34.1 32.4 34.1 32.4 34.1 32.4 34.1 32.4 34.1 32.4 34.1 32.4 32.	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 25.6 33.71200 5-6 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 29.448 -66.713 115.446 4 ALPHA SCALE PT-PT 5 29.0 0. 1-2 5 26.4 23.09290 2-3 5 31.3 31.15416 4-5 5 31.3 31.15416 4-5 2 25.6 33.30271 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.146 4 -10.873 -19.063	RANGE 359.44672 347.43096 363.00952 374.01189 2571.38125 347.43096  R 23 MIN 35 \$  RANGE 355.13088 343.26292 358.64846 369.51162 359.08906	AZS/C /-57.0 S -58.4 E -55.8 1 -58.4 S -58.4 S -62.8 II -50.9 S -58.4 E -55.8 I -55.9	SEC TO 134  ZN AZSUN .9 -82.4 .9 -81.2 .2 -81.1 .0 -83.5 .9 -81.2  SEC TO 132  ZN AZSUN .9 -82.4 .9 -81.2	1PPACT .579  AZA 33.0 .32.7 .31.4 .34.7 .32.7 TAB NO .1MPACT .899  AZA 33.4 .23.4 .33.4 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .34.7 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .33.6 .34.7 .33.6 .3	ALT 309.35C54 7.21914 6.96650 7.27685 7.49948 1.16404 6.96650 77 ALT 305.5742 4.668292 7.18943 7.40924 7.07800	B/A AZPHAZ IN 0.834 -90.3 68 0.825 -87.3 69 0.794 -93.3 69 0.841 -87.5 68 ATLAS PHOTO N  LAT	R R 9 2044.80 CD PHAZ EMIS 7 38.6 33.5 41.0 29.6 4 36.4 37.5 3 41.0 29.6 D 77 R R 8 2041.02 6 33.1 1 36.4 34.1 1 36.4 34.1 1 36.4 34.1 34.1 34.3 41.0 32.4 34.1 36.4 34.1 34.4 34.3 41.0 32.4 4 36.4 37.1 34.1 36.4 37.1 4 36.4 37.1 34.1 36.4 37.1 34.1 36.4 37.1 36.4 37.1 34.1 36.4 37.1 34.1 36.4 37.1 34.1 34.1 37.1 37.1 37.1 37.1 37.1 37.1 37.1 37	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 25.6 33.71200 5-6 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 29.448 -66.713 115.446 4 ALPHA SCALE PT-PT 5 29.0 0. 1-2 5 26.4 23.09290 2-3 5 31.3 31.15416 4-5 5 31.3 31.15416 4-5 2 25.6 33.30271 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.144 4 -10.873 -19.061 5 -11.880 -18.851 6 -11.880 -19.974 7 -10.919 -20.144	RANGE 359.44672 347.43096 363.00952 374.01189 _351.381.25 _347.43096  R 23 MIN 35 S  RANGE 355.13088 343.26292 358.64846 369.51162 353.08906 343.26292	AZS/C / -57.0 58.4 E -57.0 MS	SEC TO 134  ZN AZSUN. 9 -81.2 2 -81.1 0 -83.6 1.9 -81.2  SEC TC 132  SEC TC 132  ASSUN. 1.9 -82.4 1.9 -81.2 1.0 -83.6 1.0 -83.6 1.0 -83.6 1.0 -83.6 1.0 -83.6	1PPACT .579  AZA 33.0 .32.7 .31.4 .34.7 .32.7 TAB NO 1PPACT .899  AZA 33.0 .32.7 .31.4 .33.0 .33.4 .33	ALT 309.35054 7.21914 6.96650 7.27685 7.49948 1.16404 6.96650 77 ALT 305.5742 4.13246 6.88292 7.18943 7.40924 7.07800 6.88292	B/A AZPHAZ IN 0.834 -90.3 68 0.834 -90.3 68 0.871 -87.5 68 0.871 -87.5 68 0.874 -93.3 69 0.794 -93.3 69 0.794 -93.3 69 0.794 -93.3 69 0.871 -87.5 68 ATLAS PHOTO N  LAT LCN 0.834 -90.3 68 0.871 -87.5 58 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68	R R 9 2044.80 CD PHAZ EMIS 7 38.6 33.5 4 10.0 29.6 CD PHAZ EMIS 7 34.10 29.6 CD PHAZ EMIS 7 38.6 33.5 4 36.4 34.1 4 36.4 34.5 4 36.4 34.1 4 36.4 34.1 3 36.4 37.5 3 36	V PTH AZ 6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 25.6 33.71200 5-6 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 2.448 -66.713 115.446 4 ALPHA SCALE PT-PT 5 29.0 0. 1-2 5 26.4 23.09290 2-3 5 31.3 31.15416 4-5 5 31.3 31.15416 4-5 2 25.6 33.30271 5-6
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.144 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.894 -18.831 6 -11.894 -18.831 6 -11.894 -18.831 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.144 4 -10.873 -19.061 5 -11.880 -18.851 6 -11.880 -18.851 6 -11.880 -19.977 7 -10.919 -20.144  JULY 31.1964 13 H  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.374 -19.534	RANGE 359.44672 347.43096 363.00952 374.01189 357.38125 347.43096  R 23 MIN 35 \$  RANGE 355.13088 343.26292 358.64846 359.51162 359.51162 359.64846 343.26292	AZS/C 4 -57.0 5 -58.4 E -62.8 II -50.9 5 -58.4 E -50.9 5 -58.4 E -52.4 II -52.4 II -52.4 II -53.4 E -53.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -55.8 E	SEC TO 134  ZN AZSUN .9 -81.2 .2 -81.1 .0 -83.69 -81.2  SEC TC 132  ZN AZSUN AZSUN .9 -81.29 -81.39 -81.3	IMPACT	ALT 309-35C54 7-21914 6-96650 7-27685 7-49948 7-16404 6-96650 77 ALT 305-5742 Ae 7-13246 6-88292 7-18943 7-40924 7-07800 6-88292 78	B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 68 0.825 -87.3 69 0.794 -93.3 69 0.871 -87.5 68 ATLAS PHOTO N  LAT LCN 0.874 -90.3 68 0.871 -87.5 68  B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 66 0.871 -87.5 66 0.871 -87.5 66 0.871 -87.5 66 0.871 -87.5 66 0.871 -87.5 66 0.871 -87.5 66 0.871 -87.5 66 0.874 -94.44	R 9 2044.80 CCD PHAZ EMIS .7 36.6 33.5 .0 41.0 29.6 .4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6 D 77  R 8 2041.02 CCD PHAZ EMIS .7 38.6 33.5 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 34.0 .1 36.4 36.1	V PTH AZ  2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0.1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 29.0 0.1-2 32.46 23.09290 2-3 32.1 32.07386 3-4 33.31.2016 4-5 32.6 33.30271 5-6 32.6 29.60210 6-7  POD SEQUENCE NO 823  V PTH AZ 25.6 33.30271 5-6 26.4 29.60210 6-7  POD SEQUENCE NO 823
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.144 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.894 -18.831 6 -11.894 -18.831 6 -11.894 -18.831 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.144 4 -10.873 -19.061 5 -11.880 -18.851 6 -11.880 -18.851 6 -11.880 -19.977 7 -10.919 -20.144  JULY 31.1964 13 H  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.374 -19.534	RANGE 359.44672 347.43096 363.00952 374.01189 357.38125 347.43096  R 23 MIN 35 \$  RANGE 355.13088 343.26292 358.64846 359.51162 359.51162 359.64846 343.26292	AZS/C 4 -57.0 5 -58.4 E -62.8 II -50.9 5 -58.4 E -50.9 5 -58.4 E -52.4 II -52.4 II -52.4 II -53.4 E -53.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -54.4 E -55.8 E	SEC TO 134  ZN AZ SUN	IMPACT .579  AZA 33.0 32.7 31.4 33.4 34.7 TAB NO IMPACT .899  ( AZA 33.0 2 32.7 TAB NO IMPACT .219  TAB NO	ALT 309-35C54 7-21914 6-96565 7-29948 1-16404 6-96650 77 ALT 305-5742: A- 7-13246 6-88292 7-18943 7-40924 7-07800 6-88292 78	B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68 ATLAS PHOTO N  LAT LCN C -8.829 -24.48  B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 66 0.871 -87.5 66 ATLAS PHOTO N  LAT LCN C -8.829 -24.44  B/A AZPHAZ IN 0.834 -90.3 66 0.871 -87.5 66 ATLAS PHOTO N	R R 9 2044.80 CD PHAZ EMIS 7 38.6 33.5 4 31.0 29.6 CD PHAZ EMIS 7 38.6 33.1 4 36.4 37.5 4	V PTH AZ  6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 2.448 -66.713 115.446 3 ALPHA SCALE PT-PT 3 22.4 23.09290 2-3 3 32.1 32.07386 3-4 5 31.3 31.15416 4-5 6 26.4 29.60210 6-7  POD SEQUENCE NO 823  V PTH AZ 2.448 -66.713 15.446 5 21.450 -66.685 115.439  S ALPHA SCALE PT-PT 5 28.9 0. 1-2 5 28.9 0. 1-2 6 26.4 22.81025 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.144 4 -10.873 -19.061 5 -11.880 -18.851 6 -11.882 -19.974 7 -10.919 -20.144  JULY 31,1964 13 H  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 2 -11.381 -19.974 7 -10.919 -20.144 4 -10.873 -19.974 7 -10.917 -20.144  PHOTO DATA  PT LAT LON 2 -11.373 -19.534 3 -10.917 -20.144 4 -10.871 -19.081	RANGE 359.44672 347.43096 363.00952 374.01189 .357.38125 .347.43096  R 23 MIN 35 S  RANGE 355.13088 343.26292 358.64846 369.51162 353.08906 343.26292 (R 23 MIN 37	AZS/C 4 -57.0 5 -58.4 6 -62.8 11 -50.9 5 -58.4 6 -62.8 16 -57.0 6 -58.4 6 -62.8 16 -55.8 1 -50.9 6 -58.4 6 -55.8 1 -50.9 6 -58.4 6 -62.8 16 -62.8 16	SEC TO 134  ZN AZSUN. 9 -81-2. 2 -81-1. 0 -83-6. 19 -81-2  SEC TC 132  ZN AZSUN. 19 -82-6. 19 -81-3  SEC T1 13  AZSUN. 19 -81-3  AZSU	IMPACT	ALT 309-35C54 7-21914 6-96650 7-27685 7-49948 7-16404 6-96650 77 ALT 305-5742 Ae 7-13246 6-88292 7-18943 7-40924 7-07800 6-88292 78	B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 68 0.825 -87.3 69 0.794 -93.3 69 0.871 -87.5 68 ATLAS PHOTO N  LAT LCN 0.874 -90.3 68 0.871 -87.5 68  B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 68  ATLAS PHOTO N  LAT LCN 0.874 -93.0 66 0.871 -87.5 68  ATLAS PHOTO N  LAT LCN 0.874 -93.0 66 0.875 -87.3 65 0.841 -93.0 66 0.871 -87.5 68  ATLAS PHOTO N  LAT LON 15 -8.849 -24.44	R 9 2044.80 CCO PHAZ EMIS .7 36.6 33.5 .0 41.0 29.6 .4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6 D 77  R 8 2041.02 CCD PHAZ EMIS .7 38.6 33.1 .4 36.4 34.1 .3 41.0 32.9 .6 41.0 29.6 D 78  R 8 2037.2 R 9 2037.2	V PTH AZ  6 2.446 -66.741 115.452  ALPHA SCALE PT-PT 29.0 0.1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ 2.448 -66.713 115.446  (ALPHA SCALE PT-PT 29.0 0.1-2 3.26.4 23.09290 2-3 3.32.1 32.07386 3-4 3.31.3 31.15416 4-5 3.32.1 32.07386 3-4 5 25.6 33.30271 5-6 5 26.4 29.60210 6-7  POD SEQUENCE NO 823  V PTH AZ 51 2.450 -66.685 115.439  SALPHA SCALE PT-PT 52.9.9 0.1-2 53 32.1 32.68090 3-4 5 26.4 22.81025 2-3 5 32.1 31.68090 3-4 5 31.3 30.77236 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.144 4 -10.873 -19.061 5 -11.880 -18.851 6 -11.882 -19.977 7 -10.919 -20.144  JULY 31,1964 13 H  TRAJECTURY DATA  PHOTO DATA PT LAT LON 2 -11.373 -19.534 3 -10.917 -20.144 4 -10.871 -19.085 5 -11.866 -18.876	RANGE 359.44672 347.43096 363.00952 374.01189 357.38125 347.43096 R 23 MIN 35 S  RANGE 355.13088 343.26292 388.64846 369.51162 363.08906 343.26292 R 23 MIN 37	AZS/C 5-50.0 MS  AZS/C 5-50.0 S-62.8 II -50.9 S-62.8 II -50.8 II -50.8 II -50.9 S-62.8 II -50.9 S-62.8 II -50.9 S-62.8 II -50.8 II -50.8 II -50.9 S-62.8 II -50.8 II -50.8 II -50.8 II -50.9 S-62.8 II -50.8 II -50.8 II -50.8 II -50.8 II -50.8 II -50.9 S-62.8 II -50.8	SEC TO 134  ZN AZ SUN. 9 -82.4 9 -81.2 2 -81.1 0 -83.6 132  SEC TO 132  ZN AZ SUN. 9 -82.4 133  SEC TO 132  SEC TO 132  AZ N AZ SUN. 9 -81.3 10 -83.6 10 -83.6 10 -83.6 11 13	IMPACT	ALT 309-35C54 7-21914 6-9650 7-27655 7-49948 6-16404 6-9650 77 ALT 305-5742 Ae 7-13246 6-88292 7-18943 7-40924 7-07800 6-88292 78 ALT 301-7958 Ae 7-04571 6-79927 7-10153 7-31893	B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 68 0.825 -87.3 69 0.794 -93.3 69 0.871 -87.5 68 ATLAS PHOTO N  LAT LCN C -8.829 -24.48  B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 66 0.871 -87.5 66 ATLAS PHOTO N  LAT LCN C -8.829 -24.44  B/A AZPHAZ IN 0.834 -90.3 65 0.871 -87.5 66 ATLAS PHOTO N  LAT LON 0.871 -87.5 66 0.871 -87.3 65 0.841 -93.0 66 0.871 -87.5 66  ATLAS PHOTO N	R R 9 2044.80 CD PHAZ EMIS 7 38.6 33.5 4 1.0 29.6 4 36.4 37.5 3 41.0 29.6 0 77 4 36.4 37.5	V PTH AZ 29.0 0. 1-2 26.4 23.37528 2-3 32.1 32.46653 3-4 31.3 31.53584 4-5 26.4 29.96339 6-7 POD SEQUENCE NO 821  V PTH AZ 29.0 0. 1-2 26.4 23.09290 2-3 32.1 32.07386 3-4 31.3 31.15416 4-5 25.6 33.30271 5-6 26.4 29.66210 6-7 POD SEQUENCE NO 823  V PTH AZ 29.0 0. 1-2 30.3 32.1 32.07386 3-4 30.25.6 33.30271 5-6 5 26.4 29.66210 6-7 POD SEQUENCE NO 823  V PTH AZ 5 26.9 0. 1-2 5 31.3 31.15416 4-5 5 26.9 0. 1-2 5 31.3 31.15416 4-5 5 32.1 31.68690 3-4 5 31.3 30.77236 4-5 5 32.1 31.68690 3-4 5 31.3 31.77236 4-5 5 32.1 31.68690 3-4 5 31.3 31.77236 4-5 5 32.1 31.68690 3-4 5 31.3 30.77236 4-5 9 25.6 32.89311 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.389 -19.515 3 -10.922 -20.141 4 -10.875 -19.050 5 -11.894 -18.831 6 -11.897 -19.969 7 -10.922 -20.141  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -11.381 -19.526 3 -10.919 -20.144 4 -10.873 -19.061 5 -11.880 -18.851 6 -11.882 -19.974 7 -10.919 -20.144  JULY 31,1964 13 H  TRAJECTURY DATA  PHOTO DATA  PT LAT LON 2 -11.381 -19.974 7 -10.919 -20.144 4 -10.873 -19.974 7 -10.917 -20.144  PHOTO DATA  PT LAT LON 2 -11.373 -19.534 3 -10.917 -20.144 4 -10.871 -19.081	RANGE 359.44672 347.43096 363.0952 374.01189 357.38125 347.43096  R 23 MIN 35 S  RANGE 355.13088 343.26292 358.64846 369.51162 359.0806 343.26292 4R 23 MIN 37	AZS/C	SEC TO 134  ZN AZ SUN. 9 -82.4 9 -81.2 2 -81.1 0 -83.6 132  SEC TO 132  ZN AZ SUN. 9 -82.4 133  SEC TO 132  SEC TO 132  AZ N AZ SUN. 9 -81.3 10 -83.6 10 -83.6 10 -83.6 11 13	IMPACT	ALT 309.35C54 7.21914 6.96650 7.27685 7.49948 1.16404 6.96650 77 ALT 305.5742 7.18943 7.40924 7.07800 6.88292 78 ALT 3C1.7958 A-7.04571 6.79927 7.10153 7.31843 7.31843 7.40918	B/A AZPHAZ IN 0.834 -90.3 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68 0.871 -87.5 68  ATLAS PHOTO N  LAT LCN 0.834 -90.3 68 0.871 -87.5 68  ATLAS PHOTO N  LAT LCN 0.834 -90.3 68 0.871 -87.5 68 0.871 -87.3 68 0.871 -87.5 68 0.871 -87.3 68 0.871 -87.3 68	R 9 2044.80 CCO PHAZ EMIS .7 36.6 33.5 .0 41.0 29.6 .4 36.4 37.5 .3 41.0 32.9 .0 41.0 29.6 D 77  R 8 2041.02 CCD PHAZ EMIS .7 38.6 33.1 .4 36.4 34.1 .3 41.0 32.9 .6 41.0 29.6 D 78  R 8 2037.2 R 9 2037.2	V PTH AZ  29.0 0. 1-2  26.4 23.37528 2-3  32.1 32.46653 3-4  31.3 31.53584 4-5  25.6 33.31200 5-6  26.4 29.96339 6-7  POD SEQUENCE NO 821  V PTH AZ  29.0 0. 1-2  20.4 29.96339 3-4  31.3 31.15.466  32.1 32.07386 3-4  53.31.3 31.15416 4-5  32.1 32.07386 3-4  50.2 26.4 29.60210 6-7  POD SEQUENCE NO 823  V PTH AZ  29.4 29.60210 6-7  POD SEQUENCE NO 823  V PTH AZ  51.2 2.450 -66.685 115.439  SALPHA SCALE PT-PT  52.9 0. 1-2  53.1 31.15416 4-5  53.1 31.15416 4-5  53.2 3.3 30.77236 3-4  53.3 30.77236 3-3  V PTH AZ  51.2 2.450 -66.685 115.439  SALPHA SCALE PT-PT  52.9 0. 1-2  53.1 31.68090 3-4  53.3 31.3 31.77236 4-5  33.1 31.77236 4-5  32.1 31.68090 3-4  53.3 31.3 31.77236 4-5  33.1 31.77236 4-5  32.1 31.68090 3-4  53.3 31.3 31.77236 4-5  32.1 31.68090 3-4  53.3 31.3 31.77236 4-5  32.1 31.68090 3-4  53.3 31.3 31.77236 4-5  32.3 31.3 31.77236 4-5  32.1 31.68090 3-4  53.3 31.3 31.77236 4-5

				RA-VII	CAMERA	P2.							14_
JULY 31,1964 13 HR		SEC 240	мс		TAB NO	79	ATLAS	РНОТО	NO	79	POD	SEQUENCE NO	825 <sup>-</sup>
TRAJECTORY DATA						ALT	1 A T	1.01		ь	.,	D74	
				129.	539	298.01553	-8.86	9 -24.4	04	2033.471	2.452	PTH -66.657 11	5.431
PHOTO DATA PT LAT LCN 2 -11.365 -19.547 3 -10.914 -20.151 4 -10.869 -19.100 5 -11.851 -16.889 6 -11.854 -19.985 7 -10.914 -20.15	DANCE	17575	4 741	47.51111									
2 -11.365 -19.547	346.48745	-57.0	9.9	-82.4	33.O	A. 95887	O.834	ZPHAZ 1 -90-3 6	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
3 -10.914 -20.151	334.91533	-58.4	8.9	-81.2	32.7	6.71554	0.871	-87.5 6	58.0	41.0 29.6	26.4	22.52739	2- 2
4 -10.869 -19.100	349.91468	-62.8	10.2	-81.1.	31.4	7.01435	0.825	-87.3 6	9.1	36.4 34.5	32.0	31.28767	3- 4
5 -11.851 -18.889	360.49947	-55.8	11.0	-83.6	33.4	7.22854	0.795	-93.3 6	59.4	36.4 37.5	31.3	30.39027	4- 5
7 -10.914 -20.151	334.91533	-50-9	9-5	-81.2	34.6	6.71554	0.841	-93.0 <i>6</i>	8.3.	41.0 32.8	25.6	32.48328	5-6
. 101711 201171	334.71333	-30.4	0.7			80		-87.5 c				28.87870 SEQUÈNCE NO	
JULY 31,1964 13 HR	23 MIN 40	SEC 940	MS		.,,,	•	AILAG	riioio	NO			SEQUENCE NO	
TRAJECTORY DATA.				SEC TO	IMPACT	ALT	LAI_	LON	¥	R	ν	PIH -66.629 11	AZ
PHOTO DATA				127.	859	294.23309	-8.88	9 -24.3	362	2029.688	2.453	-66.629 11	5.424
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	A7A	Δ.	A/A A	7PHA7 1	NC0	DHA7 EMIC	AI DHA	SCALE	DT-DT
PHOTO DATA PT LAT LON 2 -11.356 -19.558 3 -10.912 -20.154 4 -10.867 -19.116 5 -11.837 -18.909	342.15974	-57.0	9.9	-82.4	33.0	6.87195	0.834	90.3 6	8.7	38.6 33.5	28.9	0.	1- 2
3 -10.912 -20.154	330.73563	-58.4	8.9	-81.2	32.7	6.63173	0.871 -	-87.5 6	0.86	41.0 29.6	26.4	22.24433	2- 3
4 -10.867 -19.116 5 -11.837 -19.000	345.54181	62-8_	10.2	-81.1	11.4	6-92670	0.825	87.3 6	9.0	36-4 34-5	32-0	30.89412	.3- 4
6 -11.839 -19.991	340.18924	-50.9	9.5	-83.6	34.6								
5 -11.837 -18.909 6 -11.839 -19.991 7 -10.912 -20.154	330.73563	-58.4	8.9	-81.2	32.7	6.63173	0.871	-87.5 6	8.0	41.0 29.6	26.4	32.07314 28.51669	6- 7
JULY 31,1964 13 HR	23 MIN 42	SEC 620	MS.		IAB NO	81				81	POD :	SEQUENCE NO	829
TRAJECTORY DATA					IMPACT	ALT		LON		R	. v	PTH	A Z
BUOTO 0474				126.	179	290.44888	-8.90	B -24.3	319	2025.904	2.455	-66.601 11	5.417
PHOTO DATA PT LAT LON 2 -11.348 -19.569 3 -10.909 -20.157 4 -10.865 -19.133 5 -11.822 -18.928	PANCE	A7570	AZN	A7 CIINI	474		0.44						
2 -11.348 -19.569	337.82833	-57 <sub>-</sub> 0	9.9	-82-4	33-O	A# 6.78496	0/A A	2PHAZ 1	NCD I	PHAZ EMIS	ALPHA	SCALE	PT-PT
3 -10.909 -20.157	326.55231	-58.4	8.9	-81.2	32.7	6.54785	0.871 -	-87-5 6	8.0	41-0 29-6	26.4	21.96101	2- 2
4 -10.865 -19.133	341.16525	-62.8	10.2	-81.1	31.4	6.83897	0.826 -	-87.3 6	9.0	36.4.34.5	32.0	30.50029	3- 4
5 -11.822 -18.928	351.47179	-55.8	11.0	-83.6	33.4		0.796	-93.3 6	9.3	36.4 37.4	31.3	29.62511	4- 5
2 -11.348 -19.569 3 -10.909 -20.157 4 -10.865 -19.133 5 -11.822 -18.928 6 -11.825 -19.996 7 -10.909 -20.157	326.55231	-50,9	8 0	-83.5	34.6	6.73307	0.842 -	-93.0 6	8.3_	41.0 32.8	25.6	31.66273	5- 6
. 200707										41.0 29.6		28.15417	_
JULY 31,1964 13 HR	23 MIN 44	SEC 300	MS		TAB NO	82	AILAS	РНОТО		82		SEQUENCE NO	
TRAJECTORY DATA				124	500	204 44225	LAT				. ¥ .	PIH	AZ
PHOTO DATA										20221110	24431	-00.373 [I	3.410
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A=	B/A A	ZPHAZ I	NCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 -11.340 -19.580	333.49202	-57.0	9.9	-82.4	33.0	6.69787	0.834 -	-90.3 6	8.6	38.6 33.4	28.9	•	1-2
						***************************************							
4 -10.863 -19.150	322.36422	-50.4 -62.8	10.2	-81.2	32.7	6.46387	0.871 -	-87.5 6	8.0	71.0 27.0	26.4	21.67746	2- 3
4 -10.863 -19.150 5 -11.808 -18.948	322.36422 336.78365 346.95118	-62.8 -55.9	10.2	-81.2 -81.1 -83.6	32.7 31.4 33.3	6.46387 6.75114 6.95688	0.871 - 0.826 -	-87.5 6 -87.3 6 -93.3 6	9.0	36.4.34.5	26.4 32.0	21.67746 30.10598	2- 3
4 -10.863 -19.150 5 -11.808 -18.948 6 -11.811 -20.002	322.36422 336.78365 346.95118 331.56946	-62.8 -55.9 -51.0	10.2 10.9 9.5	-81.2 -81.1 -83.6 -83.5	32.7 31.4 33.3 34.6	6.46387 6.75114 6.95688 6.64663	0.871 - 0.826 - 0.796 - 0.842 -	-87.5 6 -87.3 6 -93.3 6 -93.0 6	9.0	36.4 34.5 36.4 37.4	26.4 32.0 31.2 25.6	21.67746 30.10598 29.24205 31.25191	2- 3 3- 4 4- 5 5- 6
PHOTO DATA PT LAT LON 2 -11.340 -19.580 3 -10.906 -20.161 4 -10.863 -19.150 5 -11.808 -18.948 6 -11.811 -20.002 7 -10.906 -20.161	322.36422 336.78365 346.95118 331.56946 322.36422	-58.4 -55.9 -51.0 -58.4	10.2 10.9 9.5 8.9	-81.2 -81.1 -83.6 -83.5 -81.2	32.7 31.4 33.3 34.6 32.7	6.46387 6.75114 6.95688 6.64663 6.46387	0.871 - 0.826 - 0.796 - C.842 - 0.871 -	-87.5 6 -87.3 6 -93.3 6 -93.0 6 -87.5 6	9.0	36.4 34.5 36.4 37.4 41.0 32.8 41.0 29.6	26.4 32.0 31.2 25.6 26.4	21.67746 30.10598 29.24205 31.25191 27.79155	
3 - 10.363 - 19.150 4 - 10.863 - 19.150 5 - 11.808 - 18.948 6 - 11.811 - 20.002 7 - 10.906 - 20.161  JULY 31,1964 13 HR	322.36422	-58.4	8.9	-81.2	32.7 31.4 33.3 34.6 32.7	6.46387 6.75114 6.95688 6.64663 6.46387	0.871 -	-87.5 6 -87.3 6 -93.3 6 -93.0 6 -87.5 6	8.0	41.0 29.6	26.4	27.79155 SEQUENCE NO	6- 7 833
JULY 31,1964 13 HR	322.36422	-58.4	8.9 MS	-81.2 1	32.7 TAB NO	6.46387 <b>83</b>	ATLAS	-87.5 6 <b>PHOTO</b> I	NO	61.0 29.6 <b>83</b>	POD S	27.79155 SEQUENCE NO	6- 7 833
JULY 31,1964 13 HR	322.36422 23 MIN 45	-58.4 SEC 980	8.9 MS	-81.2	TAB NO	6.46387 83 ALT 282.87370	0.871 - ATLAS  LAT 1 -8.948	-87.5 6 PHOTO I  LCN 9 -24.2	8.0 4	41.0 29.6 <b>83</b> R 2018.329	26.4 POD 5	27.79155 SEQUENCE NO PTH -66.544 11	6- 7 833 AZ
JULY 31,1964 13 HR	322.36422 23 MIN 45	-58.4 SEC 980	8.9 MS	-81.2	TAB NO	6.46387 83 ALT 282.87370	0.871 - ATLAS  LAT 1 -8.948	-87.5 6 PHOTO I  LCN 9 -24.2	8.0 4	41.0 29.6 <b>83</b> R 2018.329	26.4 POD 5	27.79155 SEQUENCE NO PTH -66.544 11	6- 7 833 AZ
JULY 31,1964 13 HR	322.36422 23 MIN 45	-58.4 SEC 980	8.9 MS	-81.2	TAB NO	6.46387 83 ALT 282.87370	0.871 - ATLAS  LAT 1 -8.948	-87.5 6 PHOTO I  LCN 9 -24.2	8.0 4	41.0 29.6 <b>83</b> R 2018.329	26.4 POD 5	27.79155 SEQUENCE NO PTH -66.544 11	6- 7 833 AZ
JULY 31,1964 13 HR	322.36422 23 MIN 45	-58.4 SEC 980	8.9 MS	-81.2	TAB NO	6.46387 83 ALT 282.87370	0.871 - ATLAS  LAT 1 -8.948	-87.5 6 PHOTO I  LCN 9 -24.2	8.0 4	41.0 29.6 <b>83</b> R 2018.329	26.4 POD 5	27.79155 SEQUENCE NO PTH -66.544 11	6- 7 833 AZ
7 -10.906 -20.161  JULY 31,1964 13 HR  TRAJECTORY DATA	23 MIN 45  RANGE 329-15078 318-17141 332-39685	-58.4 SEC 980 AZS/C -57.0 -58.4 -62.8	8.9 MS AZN 9.9 8.9 10.2	-81.2 SEC TO 122. AZSUN -82.4 -81.2 -81.1	32.7 TAB NO  IMPACT 820  AZA 33.0 32.7 31.4	6.46387 83 ALT 282.87370 A* 6.61068 6.37980 6.66320	ATLAS  LAT -8.948  B/A A/ 0.835 -0.871 -0.826	PHOTO I	NO 1 234	R 2018-329 70AZ EMIS 38.6 33.4 41.0 29.6 36.4 34.5	26.4 POD S V 2.459 28.9 26.4 32.0	27.79155 SEQUENCE NO PTH -66.544 11	6- 7 833 AZ
7 -10.906 -20.161  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967	322.36422 23 MIN 45 RANGE 329.15078 318.17141 332.39685 342.42553	-58.4 SEC 980 AZS/C -57.0 -58.4 -62.8	8.9 MS AZN 9.9 8.9 10.2	-81.2 SEC TO 122. AZSUN -82.4 -81.2 -81.1	32.7 TAB NO  IMPACT 820  AZA 33.0 32.7 31.4	6.46387 83 ALT 282.87370 A* 6.61068 6.37980 6.66320 6.66613	0.871 ATLAS  LAT -8.948  8/A A/ 0.835 0.871 0.826 0.796	PHOTO I  LCN 9 -24-2  CPHAL A -90-3 6 -87-5 6	NO 1	R 2018-329 2018-329 2018-329 2018-329 2018-329 2018-329 2018-329 2018-329 2018-329 2018-329 2018-329 2018-329	26.4 POD S 2.459 28.9 26.4 31.2	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863	6- 7 833 AZ 5-403 
7 -10.906 -20.161  JULY 31,1964 13 HR  TRAJECTORY DATA	322.36422 23 MIN 45 RANGE 329.15078 318.17141 332.39685 342.42553 347.25264	-58.4 SEC 980 AZS/C -57.0 -58.4 -62.8	8.9 MS AZN 9.9 8.9 10.2	-81.2	32.7 TAB NO  IMPACT 820  AZA 33.0 32.7 31.4	6.46387 83 ALT 282.87370 6.61068 6.37980 6.66320 6.86613 6.56009	0.871 - ATLAS  LAT -8.948  8/A A/ 0.835 - 0.871 - 0.825 - 0.842 - 0.842 - 0.842	PHOTO I  LCN 9 -24-2  CMHAL 1 -90.3 6 -87.5 6 -97.3 6 -93.0 6	NO 1234	R 2018-329 70AZ EMIS 38.6 33.4 41.0 29.6 36.4 34.5	26.4 POD S 2.459 28.9 26.4 32.0 31.2 25.6	27.79155 SEQUENCE NO PTH -66.544 11: 55.45 0. 21.39353 29.71109	AZ 5.403 CT_CT 1-2 2-3 3-4 4-5 5-6
7 -10.906 -20.161  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.796 -20.008 7 -10.904 -20.165	23 MIN 45  RANGE 329-15078 318-17141 332-9685 327-25264 318-17141	-58.4 SEC 980 AZS/C -57.0 -58.4 -55.9 -51.0 -58.4	AZN 9.9 8.9 10.2 10.9 9.5 8.9	-81.2 SEC TO 122. AZSUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7  TAB NO  IMPACT 820  AZA 33.0 32.7 31.4 33.3 34.6 32.7	ALT 282.87370 A. 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980	0.871 ATLAS  LAT -8.948  8/A A/ 0.835 0.871 0.826 0.842 0.871	PHOTO I  LCN 9 -24.2  CPHAL 1 -90.3 6 -87.5 6 -93.3 6 -93.0 6 -87.5 6 PHOTO I	NO (1234)	R 2018-329 7004 EFF13 38.6 33.4 41.0 29.6 36.4 34.5 36.4 37.4 41.0 32.8 41.0 29.6	26.4 POD 5 V 2.459 26.4 32.0 31.2 25.6 26.4	27.79155 SEQUENCE NO  PTH -66.544 119  50. 21.39353 29.71109 28.85863 30.84050	6- 7 833 AZ 5-403 
7 -10.906 -20.161  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.796 -20.008 7 -10.904 -20.165  JULY 31,1964 13 HR	23 MIN 45  RANGE 329-15078 318-17141 332-9685 327-25264 318-17141	-58.4 SEC 980 AZS/C -57.0 -58.4 -55.9 -51.0 -58.4	AZN 9.9 8.9 10.2 10.9 9.5 8.9	-81.2  SEC TO 122.  AZSUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7 TAB NO IMPACT 820 AZA 33.0 32.7 31.4 33.3 34.6 32.7 TAB NO	6.46387 83 ALT 282.87370 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980	ATLAS  LAT -8.948 B/A A/ 0.835 -0.871 0.826 0.796 0.842 0.842 0.871  ATLAS	PHOTO I  LEN  3 - 24-2  24-4-4  -90.3  6-87.5  6-87.5  6-93.3  6-93.0  6-87.5  PHOTO I	NO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2018.329 38.6 33.4 41.0 29.6 36.4 37.4 41.0 32.8 41.0 29.6	26.4 POD 5 2.459 28.9 26.4 31.2 25.6 26.4 POD 5	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863 30.84050 27.42844 SEQUENCE NO	6- 7 833 AZ 5-403 
JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.796 -20.008 7 -10.904 -20.165  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 329.15078 318.17141 332.39685 342.42553 347.425264 318.17141 23 MIN 47	-58.4 SEC 980 AZZ/C -57.0 -58.4 -62.8 -55.9 -51.0 -58.4 SEC 660	MS AZN 9.9 10.9 10.9 9.5 8.9	-81.2  SEC TO 122.  AZ SUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7 TAB NO IMPACT 820 AZA 33.0 32.7 31.4 33.3 34.6 32.7 TAB NO	6.46387 83 ALT 282.87370 A. 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980 84	0.871  ATLAS  LAT  -8.944  BJA A.  0.835  0.871  0.266  0.796  0.796  0.492  0.842  C.871  ATLAS	PHOTO I  LCN  8 -24.2  CPHAL  90.3 6  87.5 6  97.3 6  87.5 6  PHOTO I	NO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2018-329 2018-329 38-6 33-4 \$1.0 29-6 41.0 32-8 \$41.0 29-6	26.4 POD 5 2.459 26.4 32.0 31.2 25.6 26.4 POD 5	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863 30.84050 27.42844 SEQUENCE NO	6- 7 833 AZ 5-403 
7 -10.906 -20.161  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.796 -20.008 7 -10.904 -20.165  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 329.15078 318.17141 332.39685 342.42553 347.425264 318.17141 23 MIN 47	-58.4 SEC 980 AZZ/C -57.0 -58.4 -62.8 -55.9 -51.0 -58.4 SEC 660	MS AZN 9.9 10.9 10.9 9.5 8.9	-81.2  SEC TO 122.  AZ SUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7 TAB NO IMPACT 820 AZA 33.0 32.7 31.4 33.3 34.6 32.7 TAB NO	6.46387 83 ALT 282.87370 A. 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980 84	0.871  ATLAS  LAT  -8.944  BJA A.  0.835  0.871  0.266  0.796  0.796  0.492  0.842  C.871  ATLAS	PHOTO I  LCN  8 -24.2  CPHAL  90.3 6  87.3 6  97.3 6  87.5 6  PHOTO I	NO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2018-329 2018-329 38-6 33-4 \$1.0 29-6 41.0 32-8 \$41.0 29-6	26.4 POD 5 2.459 26.4 32.0 31.2 25.6 26.4 POD 5	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863 30.84050 27.42844 SEQUENCE NO	6- 7 833 AZ 5-403 
7 -10.906 -20.161  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.796 -20.008 7 -10.904 -20.165  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 329.15078 318.17141 332.39685 342.42553 347.425264 318.17141 23 MIN 47	-58.4 SEC 980 AZZ/C -57.0 -58.4 -62.8 -55.9 -51.0 -58.4 SEC 660	MS AZN 9.9 10.9 10.9 9.5 8.9	-81.2  SEC TO 122.  AZ SUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7 TAB NO IMPACT 820 AZA 33.0 32.7 31.4 33.3 34.6 32.7 TAB NO	6.46387 83 ALT 282.87370 A. 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980 84	0.871  ATLAS  LAT  -8.944  BJA A.  0.835  0.871  0.266  0.796  0.796  0.492  0.842  C.871  ATLAS	PHOTO I  LCN  8 -24.2  CPHAL  90.3 6  87.3 6  97.3 6  87.5 6  PHOTO I	NO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2018-329 2018-329 38-6 33-4 \$1.0 29-6 41.0 32-8 \$41.0 29-6	26.4 POD 5 2.459 26.4 32.0 31.2 25.6 26.4 POD 5	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863 30.84050 27.42844 SEQUENCE NO	6- 7 833 AZ 5-403 AZ 2- 3 3-4 4- 5 5- 6 6- 7 835 AZ 5-396 PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.796 -20.008 7 -10.904 -20.165  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 329.15078 318.17141 332.39685 342.42553 347.425264 318.17141 23 MIN 47	-58.4 SEC 980 AZZ/C -57.0 -58.4 -62.8 -55.9 -51.0 -58.4 SEC 660	MS AZN 9.9 10.9 10.9 9.5 8.9	-81.2  SEC TO 122.  AZ SUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7 TAB NO IMPACT 820 AZA 33.0 32.7 31.4 33.3 34.6 32.7 TAB NO	6.46387 83 ALT 282.87370 A. 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980 84	0.871  ATLAS  LAT  -8.944  BJA A.  0.835  0.871  0.266  0.796  0.796  0.492  0.842  C.871  ATLAS	PHOTO I  LCN  8 -24.2  CPHAL  90.3 6  87.3 6  97.3 6  87.5 6  PHOTO I	NO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2018-329 2018-329 2018-329 38-6 33-4 51-0 29-6 41-0 32-8 41-0 29-6 84	26.4 POD 5 2.459 26.4 32.0 31.2 25.6 26.4 POD 5	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863 30.84050 27.42844 SEQUENCE NO	6- 7 833 AZ 5-403 AZ 2- 3 3-4 4- 5 5- 6 6- 7 835 AZ 5-396 PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.796 -20.008 7 -10.904 -20.165  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 329.15078 318.17141 332.39685 342.42553 347.425264 318.17141 23 MIN 47	-58.4 SEC 980 AZZ/C -57.0 -58.4 -62.8 -55.9 -51.0 -58.4 SEC 660	MS AZN 9.9 10.9 10.9 9.5 8.9	-81.2  SEC TO 122.  AZ SUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7 TAB NO IMPACT 820 AZA 33.0 32.7 31.4 33.3 34.6 32.7 TAB NO	6.46387 83 ALT 282.87370 A. 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980 84	0.871  ATLAS  LAT  -8.944  BJA A.  0.835  0.871  0.266  0.796  0.796  0.492  0.842  C.871  ATLAS	PHOTO I  LCN  8 -24.2  CPHAL  90.3 6  87.3 6  97.3 6  87.5 6  PHOTO I	NO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2018-329 2018-329 2018-329 38-6 33-4 51-0 29-6 41-0 32-8 41-0 29-6 84	26.4 POD 5 2.459 26.4 32.0 31.2 25.6 26.4 POD 5	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863 30.84050 27.42844 SEQUENCE NO	6- 7 833 AZ 5-403 AZ 2- 3 3-4 4- 5 5- 6 6- 7 835 AZ 5-396 PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.796 -20.008 7 -10.904 -20.165  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 329.15078 318.17141 332.39685 342.42553 347.425264 318.17141 23 MIN 47	-58.4 SEC 980 AZZ/C -57.0 -58.4 -62.8 -55.9 -51.0 -58.4 SEC 660	MS AZN 9.9 10.9 10.9 9.5 8.9	-81.2  SEC TO 122.  AZ SUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7 TAB NO IMPACT 820  AZA 33.0 32.7 31.4 33.3 34.6 32.7 TAB NO IMPACT 140	6.46387 83 ALT 282.87370 A. 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980 84	0.871  ATLAS  LAT  -8.944  BJA A.  0.835  0.871  0.266  0.796  0.796  0.492  0.842  C.871  ATLAS	PHOTO I  LCN  8 -24.2  CPHAL  90.3 6  87.3 6  97.3 6  87.5 6  PHOTO I	NO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2018-329 2018-329 2018-329 38-6 33-4 51-0 29-6 41-0 32-8 41-0 29-6 84	26.4 POD 5 2.459 26.4 32.0 31.2 25.6 26.4 POD 5	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863 30.84050 27.42844 SEQUENCE NO	6- 7 833 AZ 5-403 AZ 2- 3 3-4 4- 5 5- 6 6- 7 835 AZ 5-396 PT-PT
TRAJECTORY DATA  TRAJECTORY DATA  PT LAT LON 2 -11.332 -19.592 3 -10.904 -20.165 4 -10.861 -19.167 5 -11.794 -18.967 6 -11.794 -20.008 7 -10.904 -20.165  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA	RANGE 329.15078 318.17141 332.39685 342.42553 347.425264 318.17141 23 MIN 47	-58.4 SEC 980 AZZ/C -57.0 -58.4 -62.8 -55.9 -51.0 -58.4 SEC 660	MS AZN 9.9 10.9 10.9 9.5 8.9	-81.2  SEC TO 122.  AZ SUN -82.4 -81.2 -81.1 -83.6 -83.5 -81.2	32.7 TAB NO IMPACT 820  AZA 33.0 32.7 31.4 33.3 34.6 32.7 TAB NO IMPACT 140	6.46387 83 ALT 282.87370 A. 6.61068 6.37980 6.66320 6.86613 6.56009 6.37980 84	0.871  ATLAS  LAT  -8.944  BJA A.  0.835  0.871  0.266  0.796  0.796  0.492  0.842  C.871  ATLAS	PHOTO I  LCN  8 -24.2  LYMAL  90.3 6  87.3 6  97.3 6  87.5 6  PHOTO I	NO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2018-329 2018-329 2018-329 38-6 33-4 51-0 29-6 41-0 32-8 41-0 29-6 84	26.4 POD 5 2.459 26.4 32.0 31.2 25.6 26.4 POD 5	27.79155 SEQUENCE NO  PTH -66.544 11: 0. 21.39353 29.71109 28.85863 30.84050 27.42844 SEQUENCE NO	6- 7 833 AZ 5-403 1-2 2-3 3-4-5 5-6 6-7 835 AZ 5-396 PT-PT 1-2 2-3 3-4 4-5

RA-VII CAMERA P3

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JULY 31,1964 13 HR 23 MIN 49	CEC 340 MC	TAB NO	85	ATLAS PHOTO NO	85 PO	D SEQUENCE NO 837
TRAJECTORY DATA		SEC TO IMPACT	ALT	1.47	R	V PTH AZ
		119.460		LAT LON -8.989 -24.149		463 -66.488 115.388
2 -11.315 -19.615 320.45668 3 -10.899 -20.172 309.77435 4 -10.857 -19.201 323.61169 5 -11.765 -19.007 333.36280		AZSUN AZA -62.3 33.0 -81.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -61.2 32.7	6.43607 0 6.21143 0 6.48710 0 6.68441 0	1.871 -87.5 68.0 1.826 -87.3 69.0 1.797 -93.3 69.2 1.842 -93.0 68.2	38.6 33.4 28 41.0 29.6 26 36.4 34.4 31 36.4 37.3 31 41.0 32.8 25 41.0 29.6 26	.9 0. 1-2 .3 20.82503 2-3 .9 28.92044 3-4 .2 28.09112 4-5 .6 30.01695 5-6 .3 26.70141 6-7
JULY 31,1964 13 HR 23 MIN 51	SEC 19 MS	TAB NO	86	ATLAS PHOTO NO	86 PC	DD SEQUENCE NO 839
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LON +9.009 -24.106	R 1	V PIH AZ 465 -66.459 115.381
PHOTO DATA  T LAT LON KANGE  1 11.307 -19.626 316.10350  3 -10.896 -20.176 305.56977  4 -10.895 -19.27 328.82539  6 -11.750 -19.627 328.82539  7 -10.896 -20.176 305.56977	AZS/C AZN -57.0 9.9 -58.4 8.7 -62.7 10.1 -55.9 10.9 -51.0 9.5 -56.4 8.9	AZ SUN AZ A -82.3 33.0 -81.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -81.2 32.7	Α.	B/A AZPHAZ INCD 1.835 -90.3 68.6 1.871 -87.5 68.0 1.826 -87.3 68.9 1.797 -93.3 69.2 1.842 -93.0 68.2	PHAZ EMIS ALPI 38.6 33.4 28 41.0 29.5 26 36.4 34.4 31 36.4 37.3 31 41.0 32.8 25 41.0 29.5 26	HA SCALE PT-PT -9 0. 1-2 -3 20.54038 2-3 -9 28.52467 3-4 -2 27.70681 4-5 -6 29.60476 5-6 -3 26.33749 6-7
JULY 31,1964 13 H4 23 MIN 52	SEC 699 MS	TAB NO	87	ATLAS PHOTO NO	87 PC	OD SEQUENCE NO 841
TRAJECTORY DATA		SEC TO IMPACT 116.100	ALT	LAT LCN -9.029 -24.062		V PTH AZ 466 -66.430 115.374
PHOTO DATA PT LAT LON RANGE 2 -11.298 -19.637 311.76617 3 -10.893 -20.180 301.36113 4 -10.853 -19.235 314.81025 5 -11.735 -19.047 324.28389 6 -11.73h -20.031 309.94615 7 -10.893 -70.180 301.36113		AZ SUN AZ A -82.3 33.0 -81.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -81.2 32.7	Λ.	B/A AZPHAZ INCD 0.835 -90.3 68.6 0.871 -87.5 68.0 0.827 -87.2 68.9 0.797 -93.3 69.2 0.842 -93.0 68.2	PHAZ EMIS ALP 38.6 33.4 28 41.0 29.5 26 36.4 34.4 31 36.4 37.3 31	HA SCALE PT-PT .8 - 0 12 .3 20.25557 2-3 .9 28.12860 3-4 .1 27.32231 4-5 .6 29.19228 5-6 .3 25.97324 6-7
JULY 31,1964 13 HR 23 MIN 54	SEC 379 MS	TAB NO	88	ATLAS PHOTO NO	88 PC	DD SEQUENCE NO 843
JULY 31:1964 13 HR 23 MIN 54 TRAJECTORY DATA		SEC TO IMPACT	AL T	LAT LCN	R	V. PTH AZ
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 2 -11.290 -19.649 307.38506 3 -10.990 -20.184 297.18876 4 -10.850 -19.252 310.40370 5 -11.721 -19.667 319.73866	AZS/C AZN -57.0 9.8	SEC TO IMPACT 114.420 AZSUN AZA -82.3 33.0 -61.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -81.2 32.7	ALT 263.90051 A• 6.17354 ( 5.95827 ( 6.22234 ( 6.41122 ( 6.12624 (	LAT LCN -9.C49 -24.019 6/A AZPHAZ INCD 1.815 -90.3 66.6 1.811 -87.5 68.0 1.827 -87.2 68.9 1.842 -93.0 68.2 1.841 -87.5 68.0	R 1999.356 2. PHAZ EMIS ALP 38.6 33.4 28 41.0 29.5 26 36.4 34.4 31 36.4 37.3 31 41.0 32.7 25 41.0 29.5 26	V PTH AZ 468 -66.401 115.366  HA SCALE PT-PT 1.8 0. 1-2 1.3 19.97051 2-3 1.9 27.73225 3-4 1.1 26.93761 4-5 1.6 28.77956. 5-6 1.3 25.60869 6-7
TRAJECTURY DATA  PHOTO DATA  PT LAT LCN RANGE 2 -11.290 -19.649 307.38506 3 -10.890 -20.184 297.18876 4 -10.050 -19.252 310.40370 5 -11.721 -19.067 319.73866 6 -11.724 -20.037 305.60966	AZS/C AZN -57.0 9.8 -58.4 8.9 -62.7 10.1 -55.9 10.9 -51.0 9.5 -58.4 8.9	SEC TO IMPACT 114.420 AZ SUN AZA -82.3 33.0 -61.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5	ALT 263.90051 A• 6.17354 ( 5.95827 ( 6.22234 ( 6.41122 ( 6.12624 ( 5.95827 (	LAT LCN -9.C49 -24.019  0/A AZPHAZ INCD .0835 -90.3 66.6 .0817 -91.5 68.9 .1977 -91.2 68.9 .1977 -93.3 69.2	R 1999.356 2. PHAZ EMIS ALP 38.6 33.4 28 41.0 29.5 26 36.4 34.4 31 36.4 37.3 31 41.0 32.7 25 41.0 29.5 26	V PTH AZ 468 -66.401 115.366  HA SCALE PT-PT 1.8 0. 1-2 1.3 19.97051 2-3 1.9 27.73225 3-4 1.1 26.93761 4-5 1.6 28.77356.5-6
TRAJECTURY DATA  PHOTC DATA  PT LAT LCN RANGE 2 -11.290 -19.649 307.38506 3 -10.890 -20.184 297.14876 4 -10.850 -19.252 310.40370 5 -11.721 -19.067 319.73866 6 -11.724 -20.37 305.60966 7 -10.890 -20.184 297.14876	AZS/C AZN -57.0 9.8 -58.4 8.9 -62.7 10.1 -55.9 10.9 -51.0 9.5 -58.4 8.9	SEC TO IMPACT 114.420 AZSUN AZA -82.3 33.0 -61.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -81.2 32.7	ALT 263.90051 A. 6.17354 (5.95827 (6.22234 (6.41122 (6.12624 (5.95827 (	LAT LCN -9.C49 -24.019 6/A AZPHAZ INCD 1.815 -90.3 66.6 1.811 -87.5 68.0 1.827 -87.2 68.9 1.842 -93.0 68.2 1.841 -87.5 68.0	R 1999.356 2.  PHAZ EMIS ALP 38.6 33.4 28 41.0 29.5 26 36.4 34.4 3 41.0 32.7 25 41.0 29.5 26  89 PC	V PTH AZ 468 -66.401 115.366  HA SCALE PT-PT 1.8 0. 1-2 1.3 19.97051 2-3 1.9 27.73225 3-4 1.1 26.93761 4-5 1.6 28.77956. 5-6 1.3 25.60869 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 2 -11.290 -19.649 307.38506 3 -10.890 -20.184 297.18876 4 -10.550 -19.252 310.40370 5 -11.721 -19.067 319.73866 6 -11.724 -20.37 305.60966 7 -10.890 -20.184 297.14876  JULY 31,1964 13 HR 23 MIN 56	AZS/C AZN -57.0 9.8 -58.4 8.9 -62.7 10.1 -55.9 10.9 -51.0 9.5 -58.4 8.9 SEC 59 MS AZS/C AZN -57.0 9.8 -62.7 10.1 -55.9 10.9 -51.0 9.5	SEC TO IMPACT 114.420  AZSUN AZA -82.3 33.0 -61.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -81.2 32.7  TAB NO  SEC TO IMPACT 112.740  AZSUN AZA -81.2 32.7 -81.1 31.5 -83.6 33.3 -83.6 33.3 -83.5 34.5 -81.2 32.7	263.90051 A. 6.17354 (5.95827 (6.22234 (6.41122 (6.12624 (5.95827 (6.41122 (6.12624 (6.41122 (6.12624 (6.1392	LAT LCN -9.049 -24.019  6/A AZPHAZ 1NCD .e855 -90.3 66.6 6.871 -87.2 68.9 7.7 68.0 69.2 68.7 -87.5 68.0 ATLAS PHOTO NO  LAT LCN -9.070 -23.975  8/A AZPHAZ INCD .835 -90.3 68.6 69.2 68.7 -87.2 68.9 68.0 68.0 68.0 68.7 -87.2 68.0 68.0 68.7 -87.2 68.0 68.6 69.2 68.7 -87.2 68.0 68.2 68.7 -87.2 68.0 68.0 68.7 -87.2 68.0 68.6 69.2 68.7 -87.2 68.0 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 68.0 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.6 7.3 68.6 69.2 68.7 69.5 68.0 68.6 69.2 68.7 69.5 68.0 68.6 69.2 68.7 69.5 68.0 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 68.6 69.2 69.2 68.6 69.2 69.2 68.6 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69	R 1999.356 2.  PHAZ EMIS ALP 38.6 33.4 28 41.0 29.5 26 41.0 32.7 3 141.0 32.7 2 89  PC  R 1995.555 2.  PHAZ EMIS ALP 38.6 33.3 28 41.0 29.5 26 41.0 29.5 26 41.0 29.5 26 41.0 29.5 26	V PTH AZ 468 -66.401 115.366  HA SCALE PT-PT 1.8 0. 1-2 1.3 19.97051 2-3 19.97051 2-3 19.27.3325 3-4 1.1 26.93761 4-5 1.6 28.77956 5-6 1.3 25.60869 6-7  DD SEQUENCE NO 845  V PTH AZ 470 -66.372 115.359  HA SCALE PT-PT 1.8 0. 1-2 1.8 19.68518 2-3 1.9 27.133560 3-4 1.1 26.55242 4-5 1.6 28.36655 5-6 1.3 25.24373 6-7
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 2 -11.290 -19.649 307.38506 3 -10.990 -20.184 297.14876 4 -10.850 -19.252 310.40370 5 -11.721 -19.667 319.73866 6 -11.724 -20.037 305.60966 7 -10.890 -20.184 297.14876  JULY 31.1964 13 HR 23 MIN 56  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 2 -11.281 -19.661 303.01980 3 -10.888 -20.188 292.93228 4 -10.484 -19.272 305.99305 5 -11.706 -19.07 315.18932 6 -11.709 -20.03 301.29907	AZS/C AZN -57.0 9.8 8.9 -58.4 8.9 -62.7 10.1 -55.9 10.9 -58.4 8.9 SEC 59 MS	SEC TO IMPACT 114.420  AZSUN AZA -82.3 33.0 -61.2 32.7 -81.1 31.5 -83.6 33.3 -63.5 34.5 -81.2 32.7  TAB NO  SEC TO IMPACT 112.740  AZSUN AZA -82.3 33.0 -81.2 32.7 -81.1 31.5 -83.6 33.3 -7 -81.1 31.5 -83.6 33.6 33.3 -83.5 34.5 -83.6 33.6 33.3 -83.5 34.5 -83.6 33.6 33.6 33.6 34.5 -83.6 33.6 33.6 33.6 33.6 33.6 33.6 33.6	ALT 263.90051 A. 6.17354 (5.95827 (6.22234 (6.41122 (6.12624 (5.95827 (6.41122 (6.12624 (6.12	LAI LCN -9.049 -24.019  6/A AZPHAZ INCO 6.857 -90.3 66.6 68.071 -87.5 68.0 68.2 -93.0 68.2 69.2 6812 -87.5 68.0 68.2 69.2 6812 -87.5 68.0 68.2 6812 -87.5 68.0 68.2 6813 -87.5 68.0 68.3 6814 -87.5 68.0 68.3 6815 -87.5 68.0 68.3 6815 -87.5 68.0 68.3 6815 -87.5 68.0 68.3 6815 -87.5 68.0 68.3 6815 -87.5 68.0 68.3 69.2 69.3 68.3 69.2 69.3 68.3 69.2 69.3 68.3 69.2 69.3 69.3 69.2 69.3 68.3 69.2 69.3 69.3 69.2 69.3 69.3 69.3 69.2 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3	R 1999.356 2.  PHAZ EMIS ALP 38.6 33.4 28 41.0 29.5 26 41.0 32.7 3 141.0 32.7 2 89  PC  R 1995.555 2.  PHAZ EMIS ALP 38.6 33.3 28 41.0 29.5 26 41.0 29.5 26 41.0 29.5 26 41.0 29.5 26	V PTH AZ 468 -66.401 115.366  HA SCALE PT-PT 1.8 0. 1-2 1.3 19.97051 2-3 19.27.73225 3-4 1.1 26.93761 4-5 1.6 28.77956 5-6 1.3 25.60869 6-7  DD SEQUENCE NO 845  V PTH AZ 470 -66.372 115.359  PHA SCALE PT-PT 1.8 0. 1-2 1.9 19.68518 2-3 1.9 27.133560 3-4 1.1 26.55242 4-5 1.6 28.36655 5-6
TRAJECTURY DATA  PHOTC DATA  PT LAT LON RANGE 2 -11.290 -19.649 307.38506 3 -10.990 -20.184 297.14876 4 -10.850 -19.252 310.40370 5 -11.721 -19.67 319.73866 6 -11.724 -20.037 305.60966 7 -10.890 -20.184 297.14876  JULY 31,1964 13 HR 23 MIN 56  TRAJECTURY BATA  PHOTO DATA  PT LAY LON RANGE 2 -11.281 -19.661 303.01980 3 -10.888 -20.188 292.93228 4 -10.848 -19.270 305.99305 5 -11.706 -19.067 315.18932 6 -11.709 -20.043 301.26907 7 -10.888 -20.188 292.93228	AZS/C AZN -57.0 9.8 8.9 -58.4 8.9 -62.7 10.1 -55.9 10.9 -58.4 8.9 SEC 59 MS	SEC TO IMPACT 114.420  AZSUN AZA -82.3 33.0 -61.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -81.2 32.7  TAB NO  SEC TO IMPACT 112.740  AZSUN AZA -82.3 33.0 -81.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 14.5 -81.2 32.7 TAB NO	ALT 263.90051 A.* 6.17354 (5.95827 (6.22234 (6.41122 (6.12224 (5.95827 (6.12224 (6.12224 (6.12224 (6.12224 (6.1392 (6.	LAT LCN -9.C49 -24.019  6/A AZPHAZ INCD	R 1999.356 2.  PHAZ EMIS ALP 38.6 33.4 28 41.0 29.5 26 36.4 34.4 31 36.4 37.3 31 41.0 29.5 26 89  R 1995.555 2.  PHAZ EMIS ALP 38.6 33.3 26 41.0 29.5 26 36.4 34.4 31 36.4 37.2 21 41.0 29.5 26 36.4 34.4 31	V PTH AZ 468 -66.401 115.366  HA SCALE PT-PT 1.8 0. 1-2 1.3 19.97051 2-3 19.97051 2-3 19.27.3225 3-4 1 26.93761 4-5 1.6 28.77956 5-6 1.3 25.60869 6-7  DD SEQUENCE NO 845  V PTH AZ 470 -66.372 115.359  PHA SCALE PT-PT 1.8 0. 1-2 1.9 1.9 68518 2-3 1.9 27.33560 3-4 1.1 26.55242 4-5 1.3 25.24373 6-7  DD SEQUENCE NO 847  V PTH AZ
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE 2 -11.290 -19.649 307.38506 3 -10.990 -20.184 297.18876 4 -10.850 -19.252 310.40370 5 -11.721 -19.67 319.73866 6 -11.724 -20.037 305.60966 7 -10.890 -20.184 297.14876  JULY 31.1964 13 HR 23 MIN 56  TRAJECTORY DATA  PHOTO DATA  PT LAY LCN RANGE 2 -11.281 -19.661 303.01980 3 -10.888 -20.188 292.93228 4 -10.488 -20.188 292.93226 5 -11.706 -19.077 315.18932 6 -11.707 -20.043 301.26907 7 -10.888 -20.168 292.93228	AZS/C AZN -57.0 9.8 8.9 -62.7 10.1 -55.9 10.9 -51.0 9.5 8.9 SEC 59 MS  AZS/C AZN -57.0 9.8 8.9 5.6 8.9 8.9 8.6 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9	SEC TO IMPACT 114.420  AZSUN AZA -82.3 33.0 -61.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -81.2 32.7  TAB NO  SEC TO IMPACT 112.740  AZSUN AZA -82.3 33.0 -81.2 32.7 -81.1 31.5 -83.6 33.3 -83.5 34.5 -81.2 32.7  TAB NO  SEC TO IMPACT 111.060	ALT 263.90051 A. 17354 (5.95827 (6.22234 (6.112624 (5.95827 (6.12624 (6.12624 (6.12624 (6.13624 (6.13624 (6.13622 (6.13392 (6.133	LAI	R 1999.356 2. PHAZ EMIS ALP 88.6 33.4 28 41.0 29.5 26 36.4 34.4 31 36.4 37.3 31 41.0 29.5 26 89 PC  R 1995.555 2. PHAZ EMIS ALP 38.6 33.3 26 41.0 29.5 26 36.4 34.4 31 36.4 37.2 31 41.0 32.7 25 41.0 29.5 26 90 PC  R 1991.752 2.	V PTH AZ 468 -66.401 115.366  HA SCALE PT-PT 1.8 0. 1-2 1.3 19.97051 2-3 19.97051 2-3 19.97051 4-5 1.6 28.77956 5-6 1.3 25.60869 6-7  DD SEQUENCE NO 845  V PTH AZ 470 -66.372 115.359  PHA SCALE PT-PT 1.8 0. 1-2 1.3 19.68518 2-3 1.9 27.33560 3-4 1.1 26.55242 4-5 1.3 25.624373 6-7  DD SEQUENCE NO 847  V PTH AZ 472 -66.343 115.351

					RA-VI	LI CAMER	A P3.								16
JULY 31,1	964 13 H	R 23 MIN 59	SEC 41	9 MS		TAB NO	91	ATL	AS PHOT	0 NO	91	F	OD	SEQUENCE N	O 849
TRAJECTO						IMPACT		. LA	T L	CN .		R .	¥	PTH 4 -66.314 1	AZ
PHOTO DAT 2 -11.264 3 -10.882 4 -10.844	TA				109	.380	252.4917	9 -9.	111 -23	888.	198	7.947 2	•474	4 -66.314	15.344
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	Α+	B/A	AZPHAZ	INC	PHAZ	EMIS AL	РНА	SCALE 0. 19.11396 26.54131 25.78142 27.53965	DT-DT
3 -10.882	-20.196	284-48706	-58.4	. 9+8	-82.3	33.0	5.91027	0.836	-90.3	68.5	38.6	33.3 2	8.8	.0.	1- 2
4 -10.844	-19.304	297.15919	-62.7	10.1	-81.0	31.5	5.70438	0.872	-87.5	68.0	41.0	29.5 2	6.3	19.11396	2- 3
5 -11.677	-19.127	306.07822	-55.9	10.9	-83.6	33.3	6.13731	0.798	-93.3	69-1	36.4	34.3 3. 37.2 3	1.8.	26.54131	3-4
7 -10.882	-20-056	494.0.1000			-83.5	34.4	5.86497	0.843	-93.0	_68.2	41.0	32.7 2	5.6	27.53965	_ 5- 6
1 10.002	-20.146	204.40706	-58.4	8.9	-81.2	32.7 TAB NO	2470436	0.012	-01.5	00.0	41.0	29.5 2	6.3	24.51305	6- 7
JULY 31,19			SEC 9	9 MS		IAD NO	92	AIL	AS PHOTO		92		OD	SEQUENCE N	10 851
IRAJECTOR	RY DATA				SEC. 10	JMPACT	ALT	LA	<u></u>	ON		R	V.	PIH 5 -66.285 1	A7
PHOTO DAT	'A						248.6847	1 -9.	131 -23	.843	198	4.140 2	. 476	-66.285 1	15.336
PT LAT	LON	RANGE 289.89793 280.25741 292.73486	AZS/C	AZN	AZ SUN	AZA	A* 5.82232 5.61957	B/A	AZPHAZ	INCD	PHA7	ENTS ALI	он а	SCALE	DT_DT
3 -10.879	-19.696	289.89793	.=.5.70	9.8	-82.3	33.0	5.82232	0.836	-90.3	68.5	38.6	33.3 2	8.6	0.	1- 2
.410.841	-19.322	292.73486	-62 7	10.1	-81•2 -81•0	32.7	5.61957	0.872	-87.5	68.0	41.0	29.5 26	5.3	18.82782	2- 3
5 -11.662	-19.148	301.51527	-55.9	10.8	-83.6	31.6	- 3.86815						LaB.		3- 4
6 -11.605	-20.062	288.22169	-51.1	9.5	-83.5	34.4	5.77769	0.843	-93.3 -93.0	68.2	41.0	37.2 31	1.0 5.5	25.39528	4- 5
7 -10.879	-20.200	301.51527 288.22169 280.25741	-58.4	8.9	-81.2	32.7	5.61957	0.872	-87.5	68.0	41.0	29.5 26	3.3	24.14712	
JULY . 31,19	66 13 UC	) 26 MIA 2	556 336		-	TAB NO	93	ATL	AS PHOTO	ON C	93	P	OD :	SEQUENCE N	O 853
		24 FIX 2	2EL 115	_E2_											
TRAJECTOR PHOTO DAT	٨		-		SEC TO 106	IMPACT	ALT 244.8756	LAT 1 -9.1	f L 152 -23	CN •799	198	R 0.331 2.	۷ 478	PTH -66.256 1	AZ 15.329
PT LAT	LON	RANGE 285.51512	AZS/C	AZN	AZSUN		Δ.								
211.247	-19.708	285.51512	-57.0	9.8	-82 3	33 D		0.836	AZPHAZ	INCD	PHAZ	EMIS ALF	PHA	SCALE	
3 -10.876	-20.204	276.02383 288.30657 296.94842	-58.4	8.9	-81.2	32.7 31.6 33.3 34.4	5.53468	0.872	-90.3 -8/.5	68-0	41.0	29.5 26	. 3	18.54148	<del>12</del>
4 -10.839	-19.340	288.30657	62.7	10.1	-81.0	31.6	5.53468 5.77939	0.828	-87.2	68.8	36.4	34.3 31		25.74536	2- 3
6 -11.650	-19.168	296.94842 283.86392	-55.9	10.8	-83.6	33.3								25.00895	4-5
7 -10-876	-20.204	276.02383	-58.4	8.9	-83.5 -81.2	34.4	5.69034 5.53468	0.843	-93.0	68.2	41.0	32.7 25	. 5	25.00895 26.71117	5- 6
								0.872	-87.5	68.0	41.0 2	29.5 26	. 3	23.78097	6- 7
JULY 31,19	64 13 HR	24 MIN 4	SEC 459	MS		TAB NO	94	ATL	AS PHOTO	NO	94	P	OD 9	SEQUENCE N	0 855
TRAJECTOR	Y DATA				SEC TO	IMPACT	AL T	LAT	L	CN		Ř	٧	. PTH	AZ
PHOTO DAT	A				104	.341	241.0642	1 -9.1	73 -23	.755	1976	.520 2.	480	-66.226 1	15.321
PHOTO DAT PT LAT 2 -11.239 3 -10.874 4 -10.837 5 -11.633 6 -11.635 7 -10.874	LON	RANGE	AZS/C	AZN	AZ SUN	Δ7.Δ	۸.=	D / A	ATOMAT	THER					
2 -11.239	-19.720	281.12805	-57.0	9.8	-82.3	33.0	5.64619	0.836	AZPHAZ -90-3	68.5	38.6 T	:PIS ALP	HA	SCALE	PT-PT
3 -10.874	-20.209	271.78606	-58.4	8.9	-81.2	32.7	5.44971	0.872	-87.5	68.0	41.0 2	9.5 26	- 3	18.25488	2- 2
5 -11-633	-19.357	283.87405	-62.7	10.1	-81.0	31.6	5.69053	0.82€	-87.2	68.8	36.4 3	4.3 31	.8	25.34694	3- 4
6 -11.635	-20.075	279.50190	-51-1	9.5	-83.6	33.3	5.86259	0.799	-93.3	69.0	36.4 3	7.1 31	•0	SCALE 0. 18.25488 25.34694 24.62223	4- 5
7 -10.874	-20.209	271.78606	-58.4	8.9	-81.2	32.7	5.44971	0.872	-93.0 -87.5	68.0	41.0 3	9.5 26	-5	26.29653 23.41442	- 3~ A
						TAB NO									
JULY 31,19	64 13 HR	24 MIN 6	SEC 139	MS		TAB NU	95	AILA	S PHOTO	NU	95	PC	)D S	EQUENCE N	D 857
TRAJECTOR	Y DATA				SEC TO	IMPACT	AL T	LAT	1.0	ΕN		R	v	PTH	
PHOTO DATA					102	661	237.25098	-9.1	94 -23.	710	1972	706 2.	482	-66.197 1	#2  5.3 3
PHOTO DATA PT LAT 2 -11.230 3 -10.871 4 -10.834 5 -11.618	I I I N	PANCE	A75/C	4 7 41	475114										
2 -11.230	-19.732	276.73720	-57.0	9.8	-82.3	33 O	A.	B/A	AZPHAZ	INCD	PHAZ E	MIS ALP	HΑ	SCALE 0. 17.96815 24.94825	PT-PT
3 -10.871	-20.213	267.54451	-58.4	8.9	-81.2	32.7	5.36466	0.872	-87.5	68.0	41 0 2	3.3 28	• [	0.	1- 2
4 -10.834 5 -11.618	-19.375	279.43778	-62.6	10.1	-81.0	31.6	5.60160	0.828	-87.2	68.8	36.4 3	4.3 31	- 8	24.94825	2- 3
6 -11.618	-19.209	287.80261	-55.9	10.8	-83.6 -83.6	33.3	2 * 1 / 1 / 1 / 1 / 1	0.799	-91.1	69.0	34.4 3	7 1 21	^	24.23541	4- 5
7 -10.871	-20.002	267.54451	-58-4	9.5	-83.6 -81.2	34.4	2.21238	C-843	-93.0	68.2	41.0 3	2.7 25	- 5	24.23541 25.88164	5- 6
							5.36466							23.04767	
JULY 31,196	54 13 <u>HR</u>	24 MIN 7	SEC 818			TAB NO								EQUENCE NO	
TRAJECTORY					SEC TO 100.	IMPACT	ALT 233.43536	LAT	LC 15 =23	N AAS	1040	R	٧	PTH -66.167 11	AZ
PHOTO DATA	1.00	RANGE	475.46											-00+16/ 11	2.306
PROTE DATA PT LAT 2 -11.221 3 -10.868 4 -10.832 5 -11.603 6 -11.606 7 -10.868	-19.744	272.34193	-57-N	AZN Q.R	AZSUN	AZA	A*	8/4	AZPHAZ	INCD	PHAZ E	MIS ALP	НΑ	SCALE	
3 -10.868	-20.217	263.29864	-58.4	8.9	-81.2	32.7	5.27952	0.836	-90.3	68.5	38.6 3	3.2 28	. 7	0.	1- 2
4 -10.832	-19.393	274.99715	-62.5	10.1	-81.0	31.6	5.51259	0.828	-87-2	68- R	71.U Z	702 26 4.2 21	. d	17.68107	2- 3
5 -11.603	-19.230	283.22349	-55.9	10.8	-83.6	33.3	5.67904	0.799	-93.3	69.0	36.4 3	7.1 30	.9	24.54926 23.84809	5- 4 4- 5
7 -10.868	-20.088	2/0.76601	-51.1	9.4	-83.6	34.4	5.46973 5.27952 5.51259 5.67904 5.42778 5.27952	0.843	-93.0	68.2	41.0 3	2.6 25	. 5	25.46646	5- 6
	50.CII	203.27004	-20.4	8.9	-81.2	32.7	5.27952	0.872	-87.5	68.0	41.0 2	9.5 26	. 3	22.68049	6- 7

					RA-VII	CAMERA	_P3			_				17
					·	TAB NO	97	ATLA	S PHOTO	NO	97	POD S	EQUENCE NO	861 ~
JULY 31,196	4 13 HR	24 MIN 9	SEC .498.	MS										
TRAJECTORY	DATA				SEC 10.	IMPACI 301	ALT	_LAT	LC 36 -23	N	1965.073	2.486	_PIH	298
PHOTO DATA								2.44	4 7 0 114 7	THEO	OUAT ENIC	AI DUA	SCALE I	T-PT
PHOTO DATA PT LAT 2 -11-213 3 -10-865 4 -10-830 5 -11-588 6 -11-591	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A*	0.836	AZPHAZ -90.3	68.5	38.6 33.2	28.7	0	12_
2 -11-213	-19.756	259.04885	-58.4	8.9	-81.2	32.7	5.19431	0.872	-87.5	68.0	41.0 29.5	26.3	17.39382	2- 3
4 -10.830	-19.411	270.55262	-62.6	10.1	-81.0	31.6	5.42350	0.828	-87.2_	68.8	36.4 34.2	31.7	24.14997	.3 4
5 -11.588	-19.251	278.64053	-55.9	10.8	-83.6	33.3	5.58715	0.800	-93.3	69.0	36.4 37.0	30.9	23.46049	5- 6
6 -11.591 7 -10.865	-20.095	266.39197	<u>-51.1</u>	9.4	-83-6	34.4	5 <u>.34010</u>	0.872	-91-0	68.0	41-0 29-5	26.3	22.31302	6- 7
7 -10.865	-20.222	259.04885	-50.4	8.9		TAB NO			S PHOTO			POD S	EQUENCE NO	
JULY 31,196													-	
TRAJECTORY	DATA				SEC. TO.	IMPACI 621	225.79803	LAI	57 -23	.575	1961.25	3 2.488	-66.107 11	5.290
									4 204 4 7	THER	DUAT ENIS	A1 DHA	SCALE	PT-PT
PHOTO DATA PT LAT 2 -11.204 3 -10.862 4 -10.827	LON	RANGE	AZS/C	AZN	AZ SUN	AZA 33.0	A* 5.29294 5.10901	0/A 0.837	-90-3	1 MCD	38.6 33.2	28.7	ο.	1- 2
2 -11.204	-19.769	254.79488	-58.4	8.9	-81.2	32.7	5.10901	0.872	-87.5	68.0	41.0 29.5	26.3	17.10637	2- 3
4 -10.827	-19.429	266.10388	-62.6	10.1	-81.0								23.75040	_3- 4
5 -11.573	-19.271	274.05339	-55.9	10.8	-83.6	33.3	5.49517	0.800	-93.3	69.0	36.4 37.0	30.9	23.07269	5- 6
4 -10.827 5 -11.573 6 -11.576 7 -10.862	-20.101	262.01373	-51.2 -58.4	9.4 8.9	-83.6 -81.2	34.3 32.7	5.25234	0.844	-93.0 -87.5	68.0	41.0 29.5	26.3	21.94523	6- 7
7 -10.862	-20,220	25417,400	,,,,,	•••		TAB NO	99	ATU	AS PHOTO	ON C	99	POD S	EQUENCE NO	865
JULY 31,190	64 13 HR	.24.MIN.12	SEC H58	2M										
TRAJECTOR					SEC TO	IMPACT	ALT 221.97636	LA1 -9.2	176 -23	ON •530	R 1957.43	2 2.490	PTH -66.077 11	5.282
PHOTO DATA	A	0.4405		4.7 N	A 7 C 11 N	A 7 A		R/A	A 7 P H A 7	TNCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
PT LAT	LCN -19 791	250 13202	-57-0	Q_R	-82.3	33.0	5.20442	0.837	-90.3	68.4	38.6 33.2	28.7		1-2_
2 -11.193	-20.231	250.53712	-58.4	8.9	-81.2	32.7	5.02364	0.872	-87.5	68.0	41.0 29.5	26.3	16.81871 23.35055	2- 3
4 -10.825	-19.447	261.65135	-62.6	10.1	-81.0	31.6	5.24506	0.829	-87.2	68.7	36.4 34.2	31.7	23.35055	3- 4
5 -11.558	-19.292	269.46252	-55.9	10.8	-83.6	33.3	5.40312	0.800	-93.3	68.9	41 0 37 6	25.5	24.21942	5- 6
PHOTO DATA PT LAT 2 -11.195 3 -10.859 4 -10.825 5 -11.558 6 -11.561 7 -10.859	-20.108	257.63168	-51.2 -58.4	9.4 8.9	-83.6 -81.2	34.3	5.02364	0.872	-87.5	68.0	41.0 29.5	26.3	21.57724	6- 7
7 -10.037	-201251			_		TAB NO	100	ATL	AS PHOTO	0 NO	100	POD S	SEQUENCE NO	867
JULY 31,19	64 13 HR	24 MIN 14	SEC 538	3 MS									876	4.7
TRAJECTOR					SEC TO 94	IMPACT	ALT 218.1524	LA 0 -9.	T L 299 -23	LCN 3.484	1953.60	38 2.491	PTH -66.047 11	5.274
PHOTO DAT	Α	DANCE	115/6	AZN	AZSIIN	A7A		B/A	AZPHAZ	INC	PHAZ EMI	ALPHA	SCALE	0 T - D T
PT LAT	LUN -10 703	254 72030	AZ3/C	9.8	-82.3	33.0	5.11581	0.837	-90.2	68.4	38.6 33.	28.7	٥.	1- 2
3 -10-856	-20.236	246.27495	-58.4	8.9	-81.2	32.7	4.93817	0.872	-87.5	68.	41.0 29.	26.3	0. 16.53081 22.95036	2- 3
4 -10.822	-19.465	257.19429	-62.6	10.1	-81.0	31.7	5.15572	0.829	-87.2	68.1	36.4 34.7	2 31.7	22.29622	4- 5
5 -11.543	-19.313	264.86726	-55.9	10.8	-83.5	33.3	5.31097	0.844	-93.0	68.	41.0 32.	6 25.5	23.80315	5- 6
PHOTO DAT PT LAT 2 -11.186 3 -10.856 4 -10.822 5 -11.543 6 -11.546 7 -10.856	-20.113.	246.27495	-58.4	8.9	-81.2	32.7	4.93817	0.872	-87.5	68.	41.0 29.	5 26.3	21.20885	6- 7
						TAB NO		ATL	AS PHOT	O NO	101	POD	SEQUENCE N	0 869
JULY 31,19	964 13 HF	R 24 MIN 16	SEC 21	B MS										
TRAJECTOR					SEC TO	.581	ALT 214.3262	9 -9.	T 321 <b>-</b> 2	LCN 3.438	1949.7	82 2.493	PTH 3 -66.017 1	15.266
PHOTO DAT	IA LON	DANCE	A75/C	A7N	A7 SIIN	A7 A	Δ.	B/A	AZPHA7	INC	D PHAZ EMI	S ALPHA	SCALE	PT-PT
2 -11.178	-19.80A	250.30437	7 -57.0	9.8	-82.3	33.0	5.02712	0.837	-90.2	68.	4 38.6 33.	2 28.7	0. 16.24265	1- 2
PHOTO DAT PT LAT 2 -11.178 3 -10.853	-20.240	242.00860	-58.4	8.9	-81.2	32.7	4.85263	0.872	-87.5	67.	9 41.0 29.	5 26.3	16.24265	2- 3
4 -10.820	-19.483	252.1329	2 -02.0					0.829	-87.2	68.	7 36.4 34. 9 36.4 36.	1 31.7	22.54977	3- 4
5 -11-528	-19.334	260.2679		10.8	-83.5	33.3 34.3 32.7	5.21875	0.801	-93.3	-84	7 30.4 30. 1 41.0 32.	6 25.5	23.38658	5-6
6 -11.531 7 -10.853	-20.122	248.85496	0 -58.4	8.9	-81.2	32.7	4.85263	0.872	-87.5	67.	1 41.0 32. 9 41.0 29.	5 26.3	20.84016	6- 7
1 -10.033	201240	2420000	. 200.	•••									SEQUENCE N	0 871
JULY 31,19	964 <u>1.3, H</u>	R 24 MIN 1	7 SEC 89											
TRAJECTO				-	SEC TO	1 1 PPACT	ALT 210.4980	LA 16 -9.	\T .342 -2	LON 3.392	R 1945.9	V 153 2.49	PTH 5 -65.987 1	AZ 15.258
PHOTO DA	TA	RANGE 245.8842 237.7381 248.2675									D PHAZ EMI			
PT LAT	LON	RANGE	AZS/C	. AZN	4 AZSUN	4 AZA	4.93835	0.837	-90.2	6A.	4 38.6 33.	.2 28.7	0.	1- 2
2 -11.169	-19.818	237.7381		9.6	-81-2	32.7	4.76700	0.87	-87.5	67.	9 41.0 29. 7 36.4 34.	5 26.3	15.95430	2-3
4 -10.817	-19.501	248.2674	6 -62.6	10.1	-81.0	31.7	4.9767	0.82	-87.2	68.	7 36.4 34.	1 31.6	22.1489	3-4
5 -11.513	-19.355	245.8842 237.7381 248.2674 255.6645 244.4604 237.7381	0 -55.9	10.7	-83.5	33.3	5.1264							5-6
6 -11.516	-20.129	244.4604	4 -51.2	9.4	-83.6	34.3	4.76704	0.844	-93.0	, od. 5 67.	9 41.0 29	5 26.3	22.96974 20.4711	8 6- 7
7 -10.850	-20.245	251.1381	<del>,</del> −58.4	8.5	-51.4	. 32.1	7.10100							

				RA-VI	I CAMERA	L.P3_						18_
JULY 31,1964 13 H	R .24 MIN 19	SEC 578	MS.		TAB NO	103	ATLAS	PHOTO NO	103	POD	SEQUENCE NO	873
TRAJECTORY DATA				SEC TO	IMPACI.	ALT	ŁAT	LON	P		PTH	
PHOTO DATA				89	.222	206.6676	9 -9.363	-23.346	1942.12	3 2.497	-65.956 11	5.250
PT LAT ION	RANGE	A25/C	AZN	A7 CHIA	A7.A		244					
2 -11.160 -19.831	241.46000	-57.0	9.8	-82-3	33.O	4-8494G	0/A AZF	HAZ INCO	PHAZ EMIS	ALPHA	SCAĻE 1	PT-PT
3 -10.847 -20.250	233.46351	-58.3	8.9	-81.2	32.7	4.68129	0.872 -	70.4 00.4	41 0 30 5	28.6	_ Q.	1- 2
4 -10.815 -19.520	243.79782	-62.6	10.1	-81.0	31.7	4.88718	0.829 -6	37.2 68.6	36.4 34 1	20.3	15.66580	2- 3
5 -11.498 -19.376	251.05693	-55.9	10.7	-83.5	33.3	5.03406	0.801 -9	3.3 68.9	36.4 36.9	30.8	21 12042	4- 6
6 -11.501 -20.136	240.06175	-51.2	9.4	-83.6	34.3	4.81229	0.844 -9	3-0 68-1	41.0 32.5	25.5	22.55264	5- 6
PHOTO DATA PT LAT LON 2 -11.160 -19.831 3 -10.847 -20.250 4 -10.815 -19.376 6 -11.501 -20.136 7 -10.847 -20.250	233.46351	-58.3	8.9	-81.2	32.7	4.68129	C-872 -8	37.5 67.9	41.0 29.5	26.3	20.10207	6- 7
JULY 31,1964 13 HE	R 24 MIN 21	SEC 258	MS				711210				SEQUENCE NO	6/3
. TRAJECTORY DATA PHOTO DATA				SEC. IO	IMPACI_	ALT	LAI	LDN	R	. <u>v</u>	PTH	2
PHOTO DATA						202.0331	-9.303	-23.300	1938.290	2.499	-65.926 115	.242
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	Α.	B/A AZP	HAZ INCO	PHA7 EMIS	A1 PHA	SCALE	T-0T
2 -11.151 -19.843	237.03146	-57.0	9.8	-82.3	33.0	4.76055	0.8379	0.2 68.4	38.6 33.1	28-6	O. I	1- 2
3 -10.844 -20.255	229.18467	-58.3	8.9	-81.2	32.7	4.59549	C.872 -8	7.5 67.9	41.0 29.5	26.3	15.3769A	2- 3
5 -11 603 10 538	239.32397	-62.5	10-1	-81.0	31.7	4.79750	0.8298	7-2 68-6	36.4 34.1	31.6	21.34631	3- 4
5 -11.485 -19.397 6 -11.484 -20 ***	246.44519	-55.9	10.7	-83.5	33.3	4.94159	0.801 -9	3.3 68.8	36.4 36.9	30.8	20.73989	4- 5
7 =10-844 =20-256	232.02882		- 9.4.	-83.6	. 34.3	4.72403	0.844 -9	3.Q. 68.1.	.41.0.32.5	25.5.	22.13527	5- 6
PHOTO DATA PT LAT LON 2 -11.151 -19.843 3 -10.844 -20.255 4 -10.812 -19.538 5 -11.883 -19.397 6 -11.886 -20.143 7 -10.844 -20.255		SEC 938 J	8.9	-81.2	32.7	4.59549	0.872 -8	7.5 67.9	41.0 29.5	26.3	19.73246	6- 7
JULY 31,1964 13 HE	3 24 MIN 22	SEC 938 I	MS								EQUENCE NO	
TRAJECTORY DATA				SEC 10	IMPACT.	ALT	LAT	LON	R	<u>y</u>	PTHA	LZ
PHOTO DATA				٠,,,		1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-7.407	-23.293	1934.456	2.501	-65.895 115	-234
PT LAT LCN	RANGE	AZS/C	AZN	AZSUN	A7 A	Δ	R/A A70	WAT THEN	DUAT CHIC			
2 -11.142 -19.856	232.59868	-57.0	9.8	-82.3	33.0	4.67152	0.838 -9	0.2 68.4	38.4 33 1	ALPHA	SCALE P	T-PT
3 -10.840 -20.260	224.90166	-58.3	8.9	-81.2	32.7	4.50961	0.872 -8	7-5 67-9	41.0 29.5	26.2	15 00701	2- 2
4 -10.810 -19.556	234.84594	62.5]	10.1	-81.0	_ 31.7 _	-4.70773	0.830 -8	7.2 68.6	36-4 34-1	31.6	20 94454	2- 3
5 -11.468 -19.418	241.82931	-55.9	10.7	-83.5	33.3	4.84903	0.802 -9	3.3 68.8	36.4 36.8	30.8	20.35016	4- 5
-11.470 -20.150	231.25170	-51.2	9.4	-83.6	34.2	4.63569	C.845 -9	3.0 68.1	41.0 32.5	25.5	21.71762	5- 6
PHOTO DATA PT LAT LON 2 -11.142 -19.856. 3 -10.440 -20.260 4 -10.810 -19.556 5 -11.468 -19.418 6 -11.470 -20.150 7 -10.840 -20.260	224.90166	-58.3	8.9	-81.2	32.7	4.50961	0.872 -8	7.5 67.9	41.0 29.5	26.2	19.36254	6- 7
					TAR NO	106	ATI AC E	ON OTOHS	106	POD S	FOLIENCE NO	879 -
JULY 31,1964 13 HR	24 MIN 24	SEC 617 F	MS			100	ATLAS F					
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	1 ON	·	v	EQUENCE NO	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	1 ON	·	v	0711 4	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	1 ON	·	v	0711 4	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	1 ON	·	v	0711 4	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	1 ON	·	v	0711 4	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	1 ON	·	v	0711 4	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	1 ON	·	v	0711 4	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	1 ON	·	v	0711 4	
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.245	RANGE 228.16191 220.61467 230.36397 237.20951 226.84060	AZS/C =57.0 =58.3 =62.5 =55.9	AZN 9.8 8.9 10.1 10.7	AZSUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726	B/A AZP 0.838 -9 0.872 -8 0.830 -8 0.802 -9 0.845 -9	LQN	R 1930-619 PHAZ EMIS 38-6 33-1 41-0 29-4 36-4 34-1 36-4 36-8 41-0 32-5	V 2.503 ALPHA 28.6 26.2 31.6 30.7 25.4	PTH A -65.864 115 SCALE P 0a 14.79869 20.54255 19.96005 21.29975	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.245	RANGE 228.16191 220.61467 230.36397 237.20951 226.84060	AZS/C =57.0 =58.3 =62.5 =55.9	AZN 9.8 8.9 10.1 10.7	AZSUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726	B/A AZP 0.838 -9 0.872 -8 0.830 -8 0.802 -9 0.845 -9	LQN	R 1930-619 PHAZ EMIS 38-6 33-1 41-0 29-4 36-4 34-1 36-4 36-8 41-0 32-5	V 2.503 ALPHA 28.6 26.2 31.6 30.7 25.4	PTH A -65.864 115 SCALE P 0a 14.79869 20.54255 19.96005 21.29975	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA	RANGE 228.16191 220.61467 230.36397 237.20951 226.84060	AZS/C =57.0 =58.3 =62.5 =55.9	AZN 9.8 8.9 10.1 10.7 9.4 8.9	AZ SUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2 32.7 TAB NO	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365	B/A AZP 0.838 -9 0.872 -8 0.830 -8 0.802 -9 0.802 -9 0.872 -8 ATLAS F	LON -23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 3.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 34.1 36.4 36.8 41.0 32.5 41.0 29.4	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18.99231	7-PT 1-2 2-3 3-4 4-5 5-6 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16194 220.61467 230.36397 237.20951 226.84060 220.61467	AZS/C -57.0 -58.3 -62.5 -51.3 -58.3 SEC 297 M	AZN 9.8 8.9 10.1 10.7 9.4 8.9	AZ SUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2 32.7 TAB NO	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365	B/A AZP 0.838 -9 0.830 -8 0.830 -8 0.830 -9 0.845 -9 0.872 -8 ATLAS F	LQN23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 8.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 34.1 36.4 36.8 41.0 32.5 41.0 29.4	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16194 220.61467 230.36397 237.20951 226.84060 220.61467	AZS/C -57.0 -58.3 -62.5 -51.3 -58.3 SEC 297 M	AZN 9.8 8.9 10.1 10.7 9.4 8.9	AZ SUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2 32.7 TAB NO	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365	B/A AZP 0.838 -9 0.830 -8 0.830 -8 0.830 -9 0.845 -9 0.872 -8 ATLAS F	LQN23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 8.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 34.1 36.4 36.8 41.0 32.5 41.0 29.4	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16194 220.61467 230.36397 237.20951 226.84060 220.61467	AZS/C -57.0 -58.3 -62.5 -51.3 -58.3 SEC 297 M	AZN 9.8 8.9 10.1 10.7 9.4 8.9	AZ SUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2 32.7 TAB NO	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365	B/A AZP 0.838 -9 0.830 -8 0.830 -8 0.830 -9 0.845 -9 0.872 -8 ATLAS F	LQN23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 8.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 34.1 36.4 36.8 41.0 32.5 41.0 29.4	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16194 220.61467 230.36397 237.20951 226.84060 220.61467	AZS/C -57.0 -58.3 -62.5 -51.3 -58.3 SEC 297 M	AZN 9.8 8.9 10.1 10.7 9.4 8.9	AZ SUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2 32.7 TAB NO	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365	B/A AZP 0.838 -9 0.830 -8 0.830 -8 0.830 -9 0.845 -9 0.872 -8 ATLAS F	LQN23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 8.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 34.1 36.4 36.8 41.0 32.5 41.0 29.4	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.669 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16194 220.61467 230.36397 237.20951 226.84060 220.61467	AZS/C -57.0 -58.3 -62.5 -51.3 -58.3 SEC 297 M	AZN 9.8 8.9 10.1 10.7 9.4 8.9	AZ SUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2 32.7 TAB NO	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365	B/A AZP 0.838 -9 0.830 -8 0.830 -8 0.830 -9 0.845 -9 0.872 -8 ATLAS F	LQN23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 8.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 34.1 36.4 36.8 41.0 32.5 41.0 29.4	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16194 220.61467 230.36397 237.20951 226.84060 220.61467	AZS/C -57.0 -58.3 -62.5 -51.3 -58.3 SEC 297 M	AZN 9.8 8.9 10.1 10.7 9.4 8.9	AZ SUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2 32.7 TAB NO	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365	B/A AZP 0.838 -9 0.830 -8 0.830 -8 0.830 -9 0.845 -9 0.872 -8 ATLAS F	LQN23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 8.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 34.1 36.4 36.8 41.0 32.5 41.0 29.4	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16194 220.61467 230.36397 237.20951 226.84060 220.61467	AZS/C -57.0 -58.3 -62.5 -51.3 -58.3 SEC 297 M	AZN 9.8 8.9 10.1 10.7 9.4 8.9	AZ SUN -82.3 -81.2 -81.0 -83.5 -83.6	AZA 33.0 32.7 31.8 33.3 34.2 32.7 TAB NO	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365	B/A AZP 0.838 -9 0.830 -8 0.830 -8 0.830 -9 0.845 -9 0.872 -8 ATLAS F	LQN23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 8.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 34.1 36.4 36.8 41.0 32.5 41.0 29.4	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16194 220.61467 230.36397 237.20951 226.84060 220.61467	AZS/C -57.0 -58.3 -62.5 ] -55.9 ] -51.3 -58.3 SEC 297 F AZS/C -57.0 -58.5 -62.5 ] -51.3 -58.3	AZN 9.8 8.9 10.1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10.1 10.7 9.4 8.9	SEC TO 84.  AZ SUN -82.3 -81.2	IMPACT	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365 107 ALT 191.32466 4.49321 4.33760 4.52795 4.66367 4.45875 4.45875	B/A AZP 0.838 -9 0.872 -8 0.802 -9 0.872 -8 0.802 -9 0.872 -8 ATLAS F  LAT 0.838 -9 0.872 -8 0.802 -9 0.845 -9 0.872 -8 0.802 -9 0.845 -9 0.872 -8	LON -23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 3.0 68.1 7.5 67.9  PHOTO NO  LCN -23.160  CA 100.2 68.3 7.5 67.9 7.2 68.6 3.3 68.8 3.0 68.1 7.5 67.9 7.2 68.6 3.3 68.8	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 107 R 1926.780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 32.5 41.0 32.5	2.503 ALPHA 28.6 26.2 31.6 30.7 25.4 26.2 POD S	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.834 -20.270 5 -11.437 -19.461 6 -11.440 -20.164 7 -10.834 -20.270	RANGE 228.16191 220.61467 230.36397 237.20951 226.84060 220.61467 24_MIN_26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC_297 P AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3	AZN 9.8 10.1 10.7 8.9 MS. AZN 9.8 8.9 10.1	SEC TO 84.  AZ SUN -82.3 -81.2	IMPACT	ALT 195.16376 4.58241 4.42365 4.61789 4.75640 4.54726 4.42365 107 ALT 191.32466 4.49321 4.33760 4.52795 4.66367 4.45875 4.45875	B/A AZP 0.838 -9 0.872 -8 0.802 -9 0.872 -8 0.802 -9 0.872 -8 ATLAS F  LAT 0.838 -9 0.872 -8 0.802 -9 0.845 -9 0.872 -8 0.802 -9 0.845 -9 0.872 -8	LQN23.207  HAZ INCD 0.2 68.3 7.5 67.9 7.2 68.6 8.3 68.8 3.0 68.1 7.5 67.9 PHOTO NO	R 1930.619 PHAZ EMIS 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 107 R 1926.780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 32.5 41.0 32.5 41.0 32.5	V	PTH A -65.864 115  SCALE P 0a 14.79869 20.54255 19.96005 21.29975 18.99231 SEQUENCE NO	Z .226 T-PT 1- 2 2- 3 3- 4 5- 6- 7 881 Z .217 T-PT 1- 2 2- 3 3- 4 4- 5- 6- 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11-133 -19.869 3 -10.837 -20.265 4 -10.807 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.804 -19.594 5 -11.437 -19.461 6 -11.447 -20.164 7 -10.834 -20.270	RANGE 228.16191 220.61467 230.20951 226.84060 220.61467 24_MIN_26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC_297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC_297 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS.	SEC TO 84.  AZ SUN -82.3 -81.0 -83.6 -81.2  SEC TO 82.  AZ SUN -82.3 -81.2 -81.2 -81.2 -81.2 -81.2	IMPACT 182 182 182 182 182 182 183	ALT 195.16376 A* 4.58241 4.42365 4.61789 4.75426 4.54726 4.42365 107 ALT 191.32466 A* 4.43376 4.43376 4.45875 4.45875 4.45875 4.45875 4.433760	LAT -9.428  8.43 -9  8.838 -9  8.872 -8  8.802 -9  8.845 -9	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 7.2 68-6 8.3 68-8 17.5 67-9 9 PHOTO NO  LCN -23-160	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 41.0 32.5 41.0 29.4	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505  28.6 26.6 26.2 31.5 30.7 25.4 26.6 26.2	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO -65.833 115 CFALE P 0. 14.50914 20.18023 19.56954 20.88159 18.62177 EQUENCE NO	Z .226 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 881 Z .217 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 883
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.834 -20.270 4 -10.834 -20.270 JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16191 220.61467 237.20951 226.84060 220.61467 24 MIN 26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC 297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC 977 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10-1	SEC TO 84.  AZSUN -82.3 -81.2 -81.2  SEC TO 82.  AZSUN -82.3 -81.2 -81.2 -81.2 -81.2	IMPACT	ALT 195-16376 A+ 4-58241 4-42365 4-61789 4-7564 4-42365 107 ALT 191-32466 A+ 4-433760 4-52795 4-46367 4-45875 4-33760 108	ATLAS P  LAT  9.428  8/A AZP  8/838 -9  0.830 -9  0.872 -8  0.802 -9  0.845 -9  0.872 -8  ATLAS P	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 PHOTO NO LCN -23-160   CON -23-1	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 141.0 29.4 36.4 36.8	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505 28.6 26.6 26.2 31.5 30.7 25.4 26.2 POD S	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO PTH A -65.833 115 SCALE P 0. 14.5091 14.5091 20.14023 19.56954 20.88159 18.62177 EQUENCE NO	2 .226 T-PT 1-2 2-3 3-4 5-5-6 6-7 881 2 .217 T-PT 1-2 2-3 3-4 6-7 883
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.834 -20.270 4 -10.834 -20.270 5 -11.437 -19.461 6 -11.440 -20.164 7 -10.834 -20.270  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16191 220.61467 237.20951 226.84060 220.61467 24 MIN 26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC 297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC 977 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10-1	SEC TO 84.  AZSUN -82.3 -81.2 -81.2  SEC TO 82.  AZSUN -82.3 -81.2 -81.2 -81.2 -81.2	IMPACT 182 182 182 182 182 182 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 184	ALT 195-16376 A+ 4-58241 4-42365 4-61789 4-7564 4-42365 107 ALT 191-32466 A+ 4-433760 4-52795 4-46367 4-45875 4-33760 108	ATLAS P  LAT  9.428  8/A AZP  8/838 -9  0.830 -9  0.845 -9  0.845 -9  0.872 -8  ATLAS P	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 PHOTO NO LCN -23-160   CON -23-1	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 41.0 32.5 41.0 29.4	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505 28.6 26.6 26.2 31.5 30.7 25.4 26.2 POD S	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO PTH A -65.833 115 SCALE P 0. 14.5091 14.5091 20.14023 19.56954 20.88159 18.62177 EQUENCE NO	2 .226 T-PT 1-2 2-3 3-4 5-5-6 6-7 881 2 .217 T-PT 1-2 2-3 3-4 6-7 883
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.834 -20.270 4 -10.834 -20.270 5 -11.437 -19.461 6 -11.440 -20.164 7 -10.834 -20.270  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16191 220.61467 237.20951 226.84060 220.61467 24 MIN 26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC 297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC 977 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10-1	SEC TO 84.  AZSUN -82.3 -81.2 -81.2  SEC TO 82.  AZSUN -82.3 -81.2 -81.2 -81.2 -81.2	IMPACT 182 182 182 182 182 182 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 184	ALT 195-16376 A+ 4-58241 4-42365 4-61789 4-7564 4-42365 107 ALT 191-32466 A+ 4-433760 4-52795 4-46367 4-45875 4-33760 108	ATLAS P  LAT  9.428  8/A AZP  8/838 -9  0.830 -9  0.845 -9  0.845 -9  0.872 -8  ATLAS P	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 PHOTO NO LCN -23-160   CON -23-1	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 41.0 32.5 41.0 29.4	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505 28.6 26.6 26.2 31.5 30.7 25.4 26.2 POD S	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO PTH A -65.833 115 SCALE P 0. 14.5091 14.5091 20.14023 19.56954 20.88159 18.62177 EQUENCE NO	2 .226 T-PT 1-2 2-3 3-4 5-5-6 6-7 881 2 .217 T-PT 1-2 2-3 3-4 6-7 883
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.834 -20.270 4 -10.834 -20.270 5 -11.437 -19.461 6 -11.440 -20.164 7 -10.834 -20.270  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16191 220.61467 237.20951 226.84060 220.61467 24 MIN 26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC 297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC 977 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10-1	SEC TO 84.  AZSUN -82.3 -81.2 -81.2  SEC TO 82.  AZSUN -82.3 -81.2 -81.2 -81.2 -81.2	IMPACT 182 182 182 182 182 182 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 184	ALT 195-16376 A+ 4-58241 4-42365 4-61789 4-7564 4-42365 107 ALT 191-32466 A+ 4-433760 4-52795 4-46367 4-45875 4-33760 108	ATLAS P  LAT  9.428  8/A AZP  8/838 -9  0.830 -9  0.845 -9  0.845 -9  0.872 -8  ATLAS P	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 PHOTO NO LCN -23-160   CON -23-1	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 41.0 32.5 41.0 29.4	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505 28.6 26.6 26.2 31.5 30.7 25.4 26.2 POD S	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO PTH A -65.833 115 SCALE P 0. 14.5091 14.5091 20.14023 19.56954 20.88159 18.62177 EQUENCE NO	2 .226 T-PT 1-2 2-3 3-4 5-5-6 6-7 881 2 .217 T-PT 1-2 2-3 3-4 6-7 883
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.834 -20.270 4 -10.834 -20.270 5 -11.437 -19.461 6 -11.440 -20.164 7 -10.834 -20.270  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16191 220.61467 237.20951 226.84060 220.61467 24 MIN 26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC 297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC 977 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10-1	SEC TO 84.  AZSUN -82.3 -81.2 -81.2  SEC TO 82.  AZSUN -82.3 -81.2 -81.2 -81.2 -81.2	IMPACT 182 182 182 182 182 182 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 184	ALT 195-16376 A+ 4-58241 4-42365 4-61789 4-7564 4-42365 107 ALT 191-32466 A+ 4-433760 4-52795 4-46367 4-45875 4-33760 108	ATLAS P  LAT  9.428  8/A AZP  8/838 -9  0.830 -9  0.845 -9  0.845 -9  0.872 -8  ATLAS P	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 PHOTO NO LCN -23-160   CON -23-1	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 41.0 32.5 41.0 29.4	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505 28.6 26.6 26.2 31.5 30.7 25.4 26.2 POD S	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO PTH A -65.833 115 SCALE P 0. 14.5091 14.5091 20.14023 19.56954 20.88159 18.62177 EQUENCE NO	2 .226 T-PT 1-2 2-3 3-4 5-5-6 6-7 881 2 .217 T-PT 1-2 2-3 3-4 6-7 883
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.834 -20.270 4 -10.834 -20.270 5 -11.437 -19.461 6 -11.440 -20.164 7 -10.834 -20.270  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16191 220.61467 237.20951 226.84060 220.61467 24 MIN 26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC 297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC 977 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10-1	SEC TO 84.  AZSUN -82.3 -81.2 -81.2  SEC TO 82.  AZSUN -82.3 -81.2 -81.2 -81.2 -81.2	IMPACT 182 182 182 182 182 182 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 184	ALT 195-16376 A+ 4-58241 4-42365 4-61789 4-7564 4-42365 107 ALT 191-32466 A+ 4-433760 4-52795 4-46367 4-45875 4-33760 108	ATLAS P  LAT  9.428  8/A AZP  8/838 -9  0.830 -9  0.845 -9  0.845 -9  0.872 -8  ATLAS P	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 PHOTO NO LCN -23-160   CON -23-1	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 41.0 32.5 41.0 29.4	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505 28.6 26.6 26.2 31.5 30.7 25.4 26.2 POD S	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO PTH A -65.833 115 SCALE P 0. 14.5091 14.5091 20.14023 19.56954 20.88159 18.62177 EQUENCE NO	2 .226 T-PT 1-2 2-3 3-4 5-5-6 6-7 881 2 .217 T-PT 1-2 2-3 3-4 6-7 883
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.837 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.834 -20.270 4 -10.834 -20.270 5 -11.437 -19.461 6 -11.440 -20.164 7 -10.834 -20.270  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 228.16191 220.61467 237.20951 226.84060 220.61467 24 MIN 26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC 297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC 977 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10-1	SEC TO 84.  AZSUN -82.3 -81.2 -81.2  SEC TO 82.  AZSUN -82.3 -81.2 -81.2 -81.2 -81.2	IMPACT 182 182 182 182 182 182 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 184	ALT 195-16376 A+ 4-58241 4-42365 4-61789 4-7564 4-42365 107 ALT 191-32466 A+ 4-433760 4-52795 4-46367 4-45875 4-33760 108	ATLAS P  LAT  9.428  8/A AZP  8/838 -9  0.830 -9  0.845 -9  0.845 -9  0.872 -8  ATLAS P	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 PHOTO NO LCN -23-160   CON -23-1	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 41.0 32.5 41.0 29.4	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505 28.6 26.6 26.2 31.5 30.7 25.4 26.2 POD S	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO PTH A -65.833 115 SCALE P 0. 14.5091 14.5091 20.14023 19.56954 20.88159 18.62177 EQUENCE NO	2 .226 T-PT 1-2 2-3 3-4 5-5-6 6-7 881 2 .217 T-PT 1-2 2-3 3-4 6-7 883
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -11.133 -19.869 3 -10.837 -20.265 4 -10.807 -19.575 5 -11.452 -19.439 6 -11.455 -20.157 7 -10.837 -20.265  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -11.124 -19.882 3 -10.834 -20.270 4 -10.804 -19.594 5 -11.437 -19.461 6 -11.447 -20.164 7 -10.834 -20.270	RANGE 228.16191 220.61467 237.20951 226.84060 220.61467 24 MIN 26 RANGE 223.72055 216.32318 225.87748 232.58522 222.42496 216.32318	AZS/C -57.0 -58.3 -62.5 1 -55.9 1 -51.3 -58.3 SEC 297 M AZS/C -57.0 -58.3 -62.5 1 -51.3 -58.3 SEC 977 M	AZN 9.8 8.9 10-1 10.7 9.4 8.9 MS. AZN 9.8 8.9 10-1	SEC TO 84.  AZSUN -82.3 -81.2 -81.2  SEC TO 82.  AZSUN -82.3 -81.2 -81.2 -81.2 -81.2	IMPACT 182 182 182 182 182 182 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 183 184	ALT 195-16376 A+ 4-58241 4-42365 4-61789 4-7564 4-42365 107 ALT 191-32466 A+ 4-433760 4-52795 4-46367 4-45875 4-33760 108	ATLAS P  LAT  9.428  8/A AZP  8/838 -9  0.830 -9  0.845 -9  0.845 -9  0.872 -8  ATLAS P	LON -23-207  HAZ INCO 0.2 68-3 7.5 67-9 PHOTO NO LCN -23-160   CON -23-1	R 1930-619 PHAZ EMIS 38.6 33.1 41.0 29.4 36.4 36.8 36.4 34.1 36.4 36.8 11.0 29.4 107 R 1926-780 38.6 33.1 41.0 29.4 41.0 32.5 41.0 29.4 41.0 32.5 41.0 29.4	V 2.503  ALPHA 28.6 26.2 31.6 30.7 25.4 26.2  POD S  V 2.505 28.6 26.6 26.2 31.5 30.7 25.4 26.2 POD S	PTH A -65.864 115 SCALE P 0. 14.79869 20.54255 19.96005 21.29975 18-99231 SEQUENCE NO PTH A -65.833 115 SCALE P 0. 14.5091 14.5091 20.14023 19.56954 20.88159 18.62177 EQUENCE NO	2 .226 T-PT 1-2 2-3 3-4 5-5-6 6-7 881 2 .217 T-PT 1-2 2-3 3-4 6-7 883

						19
		RA-VII CAMERA				
			109	ATLAS PHOTO NO	109 F	POD SEQUENCE NO 885
	24 MIN 29 SEC 657 MS		41.7	LAT LCN	R	V PTH AZ
TRAJECTORY DATA		SEC TO IMPACT 79.142	183.64008	-9.494 -23.065	1919.095 2	.510 -65.771 115.201
PHOTO DATAPT LCN	RANGE AZS/C AZI	AZSUN AZA	Δ.	B/A AZPHAZ INCD 0.838 -90.2 68.3	PHAZ EMIS AL	PHA SCALE PT-PT
	214.82355 -57.0 9.6	-82.3 33.0 -81.2 32.7 -81.0 31.8	4.31453			
3 -10.827 -20.28C 4 -10.799 -19.631	216.89022 -62.5 10.	-81.0 31.8	4.34779	C.83C -87.2 68.5	36.4 34.0	31.5 19.33441 3- 4 30.7 18.78747 4- 5
5 -11.406 -19.504	223.32221 -55.9 10.	-83.5 33.3	4.47794	n 945 -93.0 68.1	41.0 32.54	25.4 20.04411 3- 0
6 -11.409 -20.179 7 -10.827 -20.280	213.57948 -51.3 9.4 207.72625 -58.3 8.5	-81.2 32.7	4.16522	0.872 -87.5 67.9	41.0 29.4	26.2 17.87952 6- 7
7 -10.621 -20.200	201712027	TAR NO		ATLAS PHOTÒ NO		POD SEQUENCE NO :887
HH V 31.1964 13 HR	24 MIN 31 SEC 337 MS	IND III				
		SEC TO IMPACT	AI T	LAT LON	R	V PIH AZ
_			179.79465			V PIH AZ 2.512 -65.740 115.192
PHOTO DATA PT LAT LON	RANGE AZS/C AZ 210.36654 -57.0 9. 203.41970 -58.3 8.	N AZSUN AZA	A =	8/A AZPHAZ INCI	PHAZ EMIS A	LPHA SCALE PT-PT 28.5 0. 1-2
2 -11.09/ -19.921	210.36654 -57.0 9.	7 -82.3 33.0	4.22501	0.838 -90.2 68. C.872 -87.5 67.	9 41.0 29.4	a, a 12 42076 2- 3
3 -10.824 -20.285 4 -10.796 -19.650	203.41970 -58.3 8.	9 -81.2 32.7 1 -81.0 31.8	_ 4.25755	0.831 -87.2 .68.	5_36.4.34.0	31.5 18.93072 3-4
5 -11.391 -14.525	218.68193 -55.9 10.	7 -83.5 33.2	4.38489	0.803 -93.3 68.	7 36.4 36.7	25.4 19.62462 5- 6
6 -11.394 -20.186 7 -10.824 -20.285	209.14834 -51.3 9. 203.41970 -58.3 8.	4 -83.6 34.2 9 -81.2 32.7	4.07886	0.87287.5 67.	9 41.0 29.4	26.2 13.03077 3- 4 30.6 18.339578 4- 5 25.4 19.62462 5- 6 26.2 17.50759 6- 7
7 -10.024 -20.203	2030112710	TAR NO	111	ATLAS PHOTO NO	111	POD SEQUENCE NO 889
JULY 31,1964 13 HR	24 MIN 33 SEC 17 MS					
TRAJECTORY DATA		SEC TO IMPACT 75.782	ALT 175.9468	LAT LON 2 -9.538 -22.970	R 1911.402	V PTH AZ 2.514 -65.709 115.184
PHOTO DATA				DAA AZDUAZ TNC	O DHAZ EMIS A	IPHA SCALE PT-PT
PT LAT LON	RANGE AZS/C AZ	N AZSUN AZA 762.333.0	4.13541	0.838 -90.2 .68.	3 38.6 33.0	28.5
2 -11.088 -19.934 3 -10.821 -20.291			3.99242	0.873 -87.5 67.	9 41.U 27.7	31.5 18.52675 3- 4
4 -10.793 -19.669	207.88162 -62.5 10.	1 -80.9 31.8	4.16721	0.803 -93.3 68.	7 36.4 36.7	30.6 18.00379 4-5
5 -11.375 -19.547 6 -11.378 -20.194	214.03738 -55.9 10. 204.71287 -51.3 9	1 -80.9 31.8 7 -83.5 33.2 3 -83.6 34.2	4.10370	0.845 -93.0 68.		25.4 19.20483 5- 6 26.2 17.13544 6- 7
7 -10.821 -20.291	199.10879 -58.3 8.	9 -81.2 32.8	3.99242	• • • • • • • • • • • • • • • • • • • •		
		TAB NO	112	ATLAS PHOTO NO	112	POD SEQUENCE NO 891
JULY 31,1964 13 HR	24 MIN 34 SEC 697 MS			LAT LON	R	v PTH AZ
TRAJECTORY DATA		SEC TO IMPACT 74.103	172.0969	4 -9.560 -22.922	1907.552	2.516 -65.677 115.175
PHOTO DATA	RANGE AZS/C A. 201.43960 -57.0 9	N AZSUN AZĀ	A.	B/A AZPHAZ INC 0.839 -90.2 68	D PHAZ EMIS	ALPHA SCALE PT-PT
PT LAT LON 2 -11.078 -19.947	201.43960 -57.0 9	7 -82.3 33.0	4.04572	0.839 -90.2 68	3 38.7 33.0 9 41.0 29.4	28.5 0. 1-2 26.2 13.05697 2-3 31.4 18.12251 3-4 30.6 17.61142 4-5
3 -10.817 -20.296	194.79372 -58.3 B 203.37105 -62.5 10	9 -81.2 32.8	3.90590 4.07679	0.831 -87.2 68	5 36.4 33.9	31.4 18.12251 3- 4
4 -10.790 -19.688 5 -11.360 -19.569	209.38879 -55.9 10	.0 -03.3 22.6	4.19855	0.804 -93.3 68	5 36.4 33.9 7 36.4 36.6	30.6 17.61142 4-5
6 -11.363 -20.201	200.27323 -51.3 9	383.6 .34.1	4.01470	C.846 -93.0 68	9 41.0 29.4	25.4 18.78484 5- 6 26.2 16.76290 6- 7
7 -10.817 -20.296	194.79372 -58.3 8					POD SEQUENCE NO 893
	24 MIN 36 SEC 377 MS	TAB NO	) 113	ATLAS PHOTO NO	, 113	100 orderies
JULY 31,1964 13 m	( 24 FIR 30 300 311 HS		<b>_</b>	LAT LON	R	V PTH AZ
TRAJECTORY DATA		SEC TO [MPACT 72.423	T ALT 168.2448	16 -9.583 -22.87	4 1903.700	2.518 -65.646 115.167
PHOTO DATA PT LAT LON 2 -11.069 -19.960 3 -10.814 -20.302	DANCE AZS/C A	ZN AZSUN AZA	A =	B/A AZPHAZ IN	CD PHAZ EMIS	ALPHA SCALE PT-PT
2 -11-069 -19-960	196.96985 -57.0 9	7 -02 3 33-0	3.9559	B/A AZPHAZ IN 5 0.839 -90.2 68	.2 38.7 33.0	28.5 0. 1- 2 26.2 12.76582 2- 3
3 -10.814 -20.302	190.47449 -58.3 8	.9 -81.2 32.8 .1 -80.9 31.9 .6 -83.5 33.2	3.8192	0.813 -81.3 61	.5 36.4 33.9	31.4 17.71796 3-4
4 -10.787 -19.707 5 -11.344 -19.591	190.0000 02.07	.6 -83.5 33.2	4.1052	0.804 -93.3 68 2 0.846 -93.0 68	.6 36.4 36.6	30.6 17.21875 4- 5
6 -11.347 -20.209	195.82945 -51.3 9	.3 -83.6 34.1		2 0.846 -93.0 68 9 C.873 -87.5 67	.0 41.0 32.4	25.4 18.36458 5- 6 26.2 16.39014 6- 7
7 -10.814 -20.362	190.47449 -58.3 8	.9 -81.2 32.8				POD SEQUENCE NO 895
JULY 31-1964 13 H	R 24 MIN 38 SEC 57 MS		0 114	ATLAS PHOTO N		
TRAJECTORY DATA		SEC TO IMPAC	T ALT	LAT LON	R 1000 044	V PTH AZ 6 2.520 -65.614 115.158
PT LAT LON	RANGE AZS/C	ZN AZSUN AZA	. A* 1.448.F	8/A AZPHAZ 1N 0 0.839 -90.2 68	3.2 38.7 33.0	ALPHA SCALE PT-PT 28.5 0. 1-2 26.2 12.47441 2-3 31.4 17.31318 3-4 30.5 16.82590 4-5 25.4 17.94408 5-6 26.2 16.01697 6-7
	192.49590 -57.0 186.15104 -58.3	3.9 -81.2 32.8	3.7326	0 0.873 -87.5 6	7.9 41.0 29.4	26.2 12.47441 2- 3
4 -10.785 -19.726	186.15104 -58.3 194.33747 -62.4	0.1 -80.9 31.9	3.8957	1 0.831 -87.2 68	3.4 36.4 33.9 3.6 36.4 36.6	30.5 16.82590 4- 5
5 -11.329 -19.613	200.07932 -55.9 1 191.38145 -51.3	0.6 -83.5 33.2 3.3 -83.6 34.1	3.8364	6 0.846 -93.0 6	3.0 41.0 32.4	25.4 17.94408 5- 6 26.2 16.01697 6- 7
6 -11.331 -20.217 7 -10.810 -20.307	186.15104 -58.3	3.9 -81.2 32.6	3.7326	0 0.873 -87.5 6	7.9 41.0 29.4	50.5 10.01031 0- 1

	RA-VII CAMER	A P3 20
JULY 31,1964 13 HR 24 MIN 39 SEC 737 MS	TAB NO	115 ATLAS PHOTO NO 115 POD SEQUENCE NO 897
TRAJECTURY DATA	SEC TO IMPACT	ALT LAT LON R V PTH AZ
PHGTC DATA	69.063	AL! LAT LCN R V PTH AZ 160.53404 -9.627 -22.777 1895.989 2.522 -65.582 115.149
PT LAT LCN RANGE AZS/C AZN 2 -11.051 -19.987 188.01763 -57.0 9.7	AZSUN AZA -82.3 33.0	A4 B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT
3 -10.807 -20.313 181.82333 -58.3 8.9	-81.2 32.8	3.77615 0.839 -9C.2 68.2 38.7 33.0 28.5 0. 1-2 3.64582 0.873 -87.5 67.9 41.0 29.4 26.2 12.18273 2-3
5 -11.313 -19.635 195.41835 -55.9 10.6	-80.9 31.9 -83.5 33.2	3.80504 C.831 -87.2 68.4 36.4 33.9 31.4 16.9081C 3-4
6 -11.316 -20.225 186.92917 -51.4 9.3 7 -10.807 -20.313 181.82333 -58.3 8.9	-83.6 34.1 -81.2 32.8	3.74721 C.846 -93.0 68.0 41.C 32.4 25.4 17.52335 5-6
	TAB NO	
JULY 31,1964 13 HR 24 MIN 41 SEC 416 MS	IND NO	116 ATLAS PHOTO NO 116 POD SEQUENCE NO 899
TRAJECTURY DATA	SEC TO IMPACT	
PHOTO DATA	67.383	156.67532 -9.650 -22.729 1892.131 2.524 -65.550 115.141
PT LAT LON RANGE AZS/C AZN 2 -11.041 -20.001 183.53511 -57.0 9.7	AZSUN AZA -62.3 33.0	A• B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 3.68613 G.839 -9G.2 68.2 38.7 32.9 28.4 0. 1-2
3 -10.803 +20.319 177.49137 -58.3 8.9 4 -10.779 -19.764 185.28702 -62.4 10.1	-81.2 32.8	3.55896 C.873 -87.5 67.9 41.C 29.4 26.2 11.89091 2-3
5 -11.297 -19.657 190.75323 -55.9 10.6	-83.5 33.2	3.71428 0.832 -87.2 68.4 36.4 33.9 31.3 16.50271 3-4 3.82488 0.805 -93.3 68.6 36.4 36.5 30.5 16.03912 4-5
6 +11.300 -20.232 162.47267 -51.4 9.3 7 -10.803 -20.319 177.49137 -58.3 8.9	-83.6 34.1 -81.2 32.8	3.65767 C.846 -93.0 68.C 41.0 32.3 25.4 17.10234 5- 6
	TAR NO	
JULY 31,1964 13 HR 24 MIN 43 SEC 96 MS		117 ATLAS PHOTO NO 117 POD SEQUENCE NO 901
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH AZ
PHOTO DATA PT LAT LON RANGE AZS/C AZN		152.81427 -9.672 -22.680 1888.270 2.526 -65.518 115.132
2 -11.032 -20.014 179.04818 -57.0 9.7	AZ SUN AZ A -82.3 33.0	4. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 3.59661 C.839 -90.2 68.2 38.7 32.9 28.4 0. 1-2
3 -10.800 -20.324 173.15499 -58.3 8.9 4 -10.776 -13.784 180.75533 -62.4 10.1	-81.2 32.8 -80.9 31.9	3.472C1 C.873 -87.5 67.9 41.0 29.4 26.2 11.59885 2-3
5 -11.282 -19.679 186.08380 -55.9 10.6	-83.5 33.2	3.62344 0.832 -87.2 68.4 36.4 33.8 31.3 16.09708 3-4 3.73125 0.805 -93.3 68.5 36.4 36.5 30.5 15.64529 4-5
6 -11.284 -20.240 178.01175 -51.4 9.3 7 -10.800 -20.324 173.15499 -58.3 8.9	-83.6 34.1 -81.2 32.8	3.56845 0.846 -93.0 68.0 41.0 32.3 25.3 16.68109 5-6 3.47201 0.873 -87.5 67.9 41.0 29.4 26.2 14.89565 6-7
	TAB NO	1110/303 8- /
JULY 31,1964 13 HR 24 MIN 44 SEC 776 MS		TOD SEQUENCE NO 903
	SEC TO IMPACT 64.023	ALT LAT LCN K V PTH AZ
PHOTO DATA PT LAT LON RANGE AZS/C AZN		148.95103 -9.695 -22.631 1884.406 2.528 -65.486 115.123
2 -11.022 -20.027 174.55975 -57.0 9.7	AZSUN AZA	3-50587 0.84C -9C.2 68.2 38.7 32.9 28.4 0. 1-2
3 -10 - 795 - 20 - 330 168 - 816 74 - 58 - 3 8 - 9 4 - 10 - 773 - 19 - 803 176 - 22243 - 62 - 4 10 1	-81.2 32.8 -80.9 31.9	3.38502 C.873 -87.5 67.9 41.0 29.4 26.2 11.30696 2-3
5 -11.266 -19.700 181.41353 -55.9 10.6	-83.5 33.2	3.63761 0.805 -93.3 68.5 36.4 36.5 30.4 15.25156 4-5
	-83.6 34.1 -81.2 32.8	3.47899 C.846 -93.0 68.0 41.0 32.3 25.3 16.26012 5-6
	TAB NO	2002 2002
JULY 31,1964 13 HR 24 MIN 46 SEC 456 MS		TOD SEQUENCE NO 905
TRAJECTORY HATA	SEC TO IMPACT	ALT LAT LCN R V PTH AZ
PHOTO DATA PT LAT LON RANGE AZSZO AZN	62.343	145.08565 -9.718 -22.581 1880.541 2.530 -65.454 115.114
2 -11.013 -20.041 170.06895 -57.0 9.7	AZSUN AZA -82.3 33.0	3-41567 C.64C -9C.2 68.2 38.7 32.9 28.4 0. 1-2
3 -10.792 -20.335 164.47562 -56.3 8.9	-81.2 32.8	3-29798 0-873 -87.5 67.9 41.0 29.4 26-1 11-01498 2-3
5 -11.250 -19.722 176.74131 -55.9 10.6	-80.9 32.0 -83.5 33.2	3.44166
6 -11.253 -20.255 169.08417 -51.4 9.3 7 -10.792 -20.335 164.47582 -58.3 8.9	-83.6 34.0 -81.2 32.8	3.38949 0.847 -93.0 68.0 41.0 32.3 25.3 15.83927 5-6
		2011 1101122 0- 1
JULY 31,1964 13 HR 24 MIN 46 SEC 136 MS	TAB NO	120 ATLAS PHOTO NO 120 POD SEQUENCE NO 907
TRAJECTURY DATA	SEC TO IMPACT	ALT LAT LCN K V PTH AZ
		141.21602 -9.741 -22.532 1876.673 2.532 -65.422 115.105
PHOTE DATA	60.663	
PT LAT LON RANGE AZS/C AZN 2 -11.003 -20.054 163.57352 -57.0 9.7	AZSUN AZA	A+ B/A AZPHAZ INCD PHAZ FMIS ALPHA SCALE OT-OT
PT LAT LON RANGE AZS/C AZN 2 -11.003 -20.054 165.57352 -57.0 9.7 3 -10.789 -20.341 160.13035 -58.3 8.9	AZSUN AZA -62.3 33.0 -81.2 32.8	A+ B/A AZPHAZ INCD PHAZ FMIS ALPHA SCALE OT-OT
PT LAT LDN RANGE AZS/C AZN 2 -11.003 -20.054 165.57552 -57.0 4.7 3 -10.789 -20.341 160.13055 -58.3 8.9 4 -10.766 -19.841 167.14762 -62.4 10.1 5 -11.234 -19.744 172.06455 -55.3 10.4	AZSUN AZA -62.3 33.0 -81.2 32.8 -80.9 32.0	A• B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 3.32539 C.846 90.2 68.1 38.7 32.9 28.4 0.1 1-2 2.21065 C.873 -87.5 67.6 41.0 29.4 26.1 10.72283 2-3 2.35066 C.832 -87.2 68.3 36.4 33.8 31.3 11.3 14.88049 3-4
PT LAT LON RANGE AZS/C AZN 2 -11.003 -20.0534 160.57552 -57.0 4.7 3 -10.789 -20.341 160.13035 -58.3 8.9 4 -10.766 -13.841 167.14762 -62.4 10.1 5 -11.234 -19.764 172.06655 -55.3 10.4	AZSUN AZA -62.3 33.0 -81.2 32.8	A+ B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 3.32539 C.84C -90.2 68.1 38.7 32.9 28.4 0. 1-2 3.21085 C.873 -87.5 67.8 41.0 29.4 26.1 10.72283 2-3

RA-VII CAMERA P3 TAB NO 121 ATLAS PHOTO NO 121 POD SEQUENCE NO 909 .HILY 31-1964 13 HR 24 MIN 49 SEC 816 MS SEC TO IMPACT ALT LAT LON R V PTH AZ 56.983 137.34807 -9.764 -22.482 1872.803 2.535 -65.389 115.096 TRAJECTORY DATA PHOTO DATA

PT LAT
2 -10.994 -20.068 161.07339 -57.0 9.7 -82.3 33.0
3 -10.785 -20.346 155.78022 -58.3 8.9 -61.2 32.8
4 -10.763 -19.761 167.5815 -62.4 10.1 -80.9 32.0
5 -11.218 -19.766 167.3815 -55.9 10.6 -83.5 33.2
6 -11.221 -20.271 160.14026 -51.4 9.3 -83.6 34.0
7 -10.785 -20.346 155.78022 -58.3 8.9 -81.2 32.8 A• B/A AZPHAZ INCD PHAZ EMIS ALPHA 3.235C1 C.84C -90.2 68.1 38.7 32.9 28.4 3.12362 0.873 -87.5 67.8 41.C 29.3 28.2 2.25957 C.832 -87.2 68.3 36.4 33.8 31.3 3.35628 C.806 -93.3 68.4 36.4 33.8 31.3 3.21020 0.847 -93.0 68.0 41.0 32.3 25.3 3.12362 0.873 -87.5 67.8 41.0 29.3 26.1 SCALE PT-PT 0. 1- 2 10.43046 2- 3 14.47442 3- 4 14.06904 4- 5 TAB NO 122 ATLAS PHOTO NO 122 POD SEQUENCE NO 911 JULY 31,1964 13 HR 24 MIN 51 SEC 496 MS SEC TO IMPACT 57.304 ALT LAT LCN R V PTH AZ 133.47586 -9.787 -22.432 1868.931 2.537 -65.356 115.087 TRAJECTURY DATA PHOTU DATA

12 -10.984 -20.081 1564.56863 -77.0 9.7 -82.3 33.0
3 -10.781 -70.352 151.42551 -58.3 8.9 -81.2 32.8
5 -11.202 -19.788 162.69718 -55.9 10.5 -83.5 33.0
7 -10.781 -20.352 151.42551 -58.3 8.9 -81.2 32.8 PHOTO DATA A+ B/A A/PHA/ INCO PHA/ EMIS ALPHA SCALE PT-PT 2.14453 0.246 -90.2 68.1 38.7 32.8 28.4 0. 1-2 3.03630 0.873 -87.5 67.8 41.0 29.3 26.1 10.13773 2-3 3.16236 0.833 -87.2 68.3 36.4 33.8 31.2 14.06801 3-4 3.26232 0.806 -93.3 68.4 36.4 36.4 30.4 13.67426 4-5 3.12641 0.847 -93.0 67.9 41.0 32.3 25.3 14.57489 5-6 3.03630 0.873 -87.5 67.8 41.0 29.3 26.1 13.02226 6-7 POD SEQUENCE NO 912 TAB NO 123 ATLAS PHOTO NO 123 JULY 31,1964 13 HR 24 MIN 52 SEC 336 MS SEC TO IMPACT 56.464 TRAJECTURY DATA ALT LAT LCN R V PTH AZ 131.53912 -9.798 -22.407 1866.994 2.538 -65.340 115.083 A\* B/A AZPHAZ INCC PHAZ EMIS ALPHA SCALE PT-PT 3.09926 C.44C -90.2 68.1 38.7 32.8 26.4 0.0 1-2 2.99262 0.873 -87.5 67.8 41.0 29.3 26.1 9.99124 2-3 3.12275 C.835 -87.2 68.3 36.4 33.7 31.2 13.86470 3-4 2.21521 C.66c -93.3 68.4 36.4 36.4 30.3 13.47669 4-5 3.07549 0.847 -92.9 67.9 41.0 32.3 25.3 14.36392 5-6 2.19262 C.873 -87.5 67.8 41.0 29.3 26.1 12.83448 6-7 PHOTO DATA PHOTE DATA

17 LAT LCN RANGE AZS/C AZN AZSUN AZA
2 -10.979 -20.088 154.31474 -57.0 9.7 -82.3 33.0
3 -10.779 -20.555 149.24668 -58.3 8.9 -61.2 22.8
4 -10.758 -19.900 1.55.77833 -62.3 10.1 -90.9 22.0
5 -11.194 -19.799 160.35275 -55.9 10.5 -83.5 33.2
6 -11.197 -20.283 153.42948 -51.5 9.3 -83.6 34.0
7 -10.779 -20.355 149.24668 -58.3 8.9 -81.2 32.8 POD SEQUENCE NO 913 TAB NO 124 ATLAS PHOTO NO 124 JULY 31,1964 13 HR 24 MIN 53 SEC 176 MS TRAJECTORY DATA SEC TO IMPACT 5>+624 ALT LAT LON R V PTH AZ 129.60152 -9.810 -22.382 1865.057 2.539 -65.324 115.078 PHOTO DATA A- B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 3.05397 0.84C -90.2 68.1 38.7 32.8 28.4 0. 1-2 2.94890 0.873 -87.5 67.8 41.0 29.3 26.1 9.84474 2-3 3.07710 0.893 -87.2 68.3 36.4 33.7 31.2 13.66128 3-4 3.16827 0.807 -93.3 68.4 36.4 30.3 13.27910 4-5 2.03054 0.847 -92.9 67.9 41.0 32.2 25.3 14.15282 5-6 2.94890 0.873 -87.5 67.8 41.0 29.3 26.1 12.64661 6-7 RANGE AZS/C AZN AZSUN AZA 152,05934 -57.0 9.7 -H2.4 35.0 147.06634 -58.3 8.9 -61.2 32.8 155,50093 -62.3 10.1 -F0.9 32.0 159,00677 -55.9 10.5 -83.5 33.2 151,17804 -51.5 9.3 -83.6 34.0 147.06634 -58.3 8.9 -81.2 32.8 PROTO DATA

17 LAT LON

2 -10.974 -20.095

3 -10.777 -20.358

4 -10.757 -19.859

5 -11.186 -19.810

6 -11.189 -70.287

7 -10.777 -20.358 TAB NO 125 ATLAS PHOTO NO 125 POD SEQUENCE NO. 914 JULY 31,1964 13 HR \_4 MIN 54 SEC 16 MS SEC TO IMPACT 54.784 ALT LAT LCN R V PTH AZ 127.6635C -9.822 -22.357 1863.119 2.540 -65.307 115.074 TRAJECTORY MATA PHCIC DATA
PT LAT LDN RANGE AZS/C AZN AZSUN AZA
2 -10.969 -70.102 149.80297 -70.0 9.7 -82.3 33.0
3 -10.775 -20.161 144.88364 -58.3 8.9 -81.2 32.0
4 -10.755 -19.909 151.22239 -62.3 10.1 -80.9 32.0
5 -11.178 -13.821 155.45787 -50.9 10.5 -63.5 33.2
7 -10.775 -20.361 144.88564 -58.3 8.9 -81.2 32.8 A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA CONTROL 1-2
3.00865 0.84C -90.2 68.1 38.7 32.8 28.3 0. 1-2
2.9051c C.873 -87.5 67.6 41.0 29.3 26.1 9.69823 2-3
3.03143 0.833 -87.2 68.3 36.4 33.7 31.2 13.45779 3-4
3.12121 C.807 -93.3 68.4 36.4 36.3 30.3 13.08142 4-5
2.90516 C.873 -87.5 67.8 41.0 29.3 26.1 12.45853 6-7 TAB NO 126 ATLAS PHOTO NO 126 POD SEQUENCE NO 915 JULY 31,1964 13 HR 24 MIN 54 SEC 856 MS ALT LAT LCN R V PTH AZ 125.72485 -9.833 -22.332 1861.180 2.541 -65.291 115.069 SEC TO IMPACT 53.944 TRAJECIERY DATA PHOTO BATA

PT LAT 1 CN RANGE AZS/C AZN AZSUN AZA
2 -10.965 -20.108 147.54533 -71.0 9.7 -82.3 33.0
3 -10.773 -20.364 142.70247 -58.3 8.9 -81.2 32.8
4 -10.794 -19.919 148.94269 -52.3 10.1 -80.9 32.0
5 -11.170 -19.833 153.31173 -55.9 10.5 -83.5 33.2
6 -11.173 -20.395 146.68999 -51.5 9.3 -83.6 34.0
7 -10.773 -20.364 142.70247 -58.3 8.9 -81.2 32.8 A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA 2.96331 0.840 -90.2 68.1 38.7 32.8 28.3 2.86129 C.873 -87.5 67.8 41.0 29.3 26.1 2.98573 0.833 -87.2 68.3 36.4 33.7 31.2 3.07412 G.807 -93.3 68.4 36.4 36.3 30.3 2.94057 C.847 -92.9 67.9 41.0 32.2 25.3 2.86139 C.873 -87.5 67.8 41.0 29.3 26.1 0. 1-2 9.55160 2-3 13.25422 3-4 12.88364 4-5 13.73044 5-6 12.27055 6-7

	RA-VII CAMERA	Р3	22
JULY 31,1964 13 HR 24 MIN 55 SEC 696 MS	TAB NO	127 ATLAS PHOTO NO	127 POD SEQUENCE NO 916
	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA	53.104	123.78574 -9.845 -22.306	1859.241 2.542 -65.274 115.065
PT LAT LON RANGE AZS/C AZN 2 -10.960 -20.115 145.28664 -57.0 9.7 3 -10.771 -20.367 140.51867 -58.3 8.9 4 -10.752 -19.929 146.66196 -62.3 10.1 5 -11.162 -19.844 150.96253 -56.0 10.5 6 -11.165 -20.299 144.44431 -51.5 9.3 7 -10.771 -20.367 140.51867 -58.3 8.9	AZSUN AZA -82.3 33.0 -81.2 32.8 -80.9 32.0 -83.5 33.2 -83.6 34.0 -81.2 32.8	2.91794 0.841 -90.2 68.1 2.81761 0.873 -87.5 67.8 2.940C1 0.833 -87.2 68.2 3.02702 0.807 -93.3 68.4 2.89556 0.847 -92.9 67.9	PHAZ EMIS ALPHA SCALE PT-PT 38.7 32.8 28.3 0. 1-2 41.0 29.3 26.1 9.404.94 2-3 36.4 33.7 31.2 13.05057 3-4 36.4 36.3 30.3 12.08575 4-5 41.0 32.2 25.3 13.51915 5-4 41.0 29.3 26.1 12.08237 6-7
JULY 31,1964 13 HR 24 MIN 56 SEC 536 MS	TAB NO	128 ATLAS PHOTO NO	128 POD SEQUENCE NO 917
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R Y P.THAZ
PHOTO DATA	52.264	121.84589 -9.857 -22.281	1857.301 2.543 -65.258 115.060
PT LAT LON RANGE AZS/C AZN 2 -10.955 -20.122 143.02658 -57.0 9.7 3 -10.770 -20.370 138.33393 -58.3 8.9 4 -10.750 -19.938 144.37985 -62.3 10.1 5 -11.154 -19.855 148.61199 -56.0 10.5 6 -11.157 -20.303 142.19726 -51.5 9.3 7 -10.770 -20.370 138.33393 -58.3 8.9	AZSUN AZA -82.3 33.0 -81.2 32.8 -80.9 32.0 -83.5 33.2 -83.6 33.9 -81.2 32.8	2.87255 0.841 -9C.2 08.1 2.77380 0.873 -87.5 67.8 2.89426 0.833 -87.2 68.2 2.97989 0.807 -93.3 68.4 2.85051 0.847 -92.9 67.8 2.77380 0.873 -87.5 67.8	PHAY EMIS ALPHA SCALE PT-PT 38.7 32.8 28.3 0.1 1-2 41.0 29.3 26.1 9.25815 2-3 36.4 33.7 31.2 12.84679 3-4 36.4 36.3 30.3 12.48777 4-5 41.0 32.2 25.3 13.30774 5-6 41.0 29.3 26.1 11.89419 6-7
JULY 31,1964 13 HR 24 MIN 57 SEC 375 MS	TAB NO	129 ATLAS PHOTO NO	129 POD SEQUENCE NO 918
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN 119.90561 -9.868 -22.256	R V PTH AZ 1855.361 2.544 -65.241 115.055
PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.950 -20.129 140.76551 -57.0 9.7 3 -10.768 -20.373 136.14799 -58.3 8.9 4 -10.749 -19.448 142.09679 -62.3 10.1 5 -11.146 -19.866 146.26047 -56.0 10.5 6 -11.149 -20.307 139.94921 -51.5 9.3 7 -10.768 -20.373 136.14799 -58.3 8.9	AZSUN AZA -82.3 33.0 -61.2 32.8 -80.9 32.1 -83.6 33.9 -61.2 32.8	A• B/A AZPHAZ INCD 2.82714 0.841 -90.2 68.1 2.72997 0.873 -87.5 67.8 2.84849 0.833 -87.2 68.2 2.93274 0.807 -93.3 68.3 2.80545 0.847 -92.9 67.9	
JULY 31,1964 13 HR 24 MIN 58 SEC 215 MS	TAB NO	130 ATLAS PHOTO NO	130 POD SEQUENCE NO 919
	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA	50.584	117.96458 -9.880 -22.230	1853.420 2.545 -65.224 115.051
PT LAT LON RANGE AZS/C AZN 2 -10.945 -20.136 138.50308 -57.0 9.7 3 -10.765 -20.376 133.96069 -58.3 8.9 4 -10.747 -19.958 139.81228 -62.3 10.1 5 -11.138 -19.877 143.90759 -56.0 10.5 6 -11.140 -20.311 137.69981 -51.5 9.2 7 -10.766 -20.376 133.96069 -58.3 8.9	-82.3 33.0 -81.2 32.8 -60.9 32.1 -83.5 33.2 -83.6 33.9 -81.2 32.8	2.78170 0.841 -90.2 68.1 2.68611 0.873 -87.5 67.8 2.80270 0.833 -87.2 68.2 2.88556 0.807 -93.3 68.3 2.76036 0.847 -92.9 67.9 2.68611 0.873 -87.5 67.8	PHAZ EMIS ALPHA SCALE PT-PT 38.7 32.8 28.3 0. 1-2 41.0 29.3 26.1 8.96443 2-3 36.4 33.7 31.2 12.43906 3-4 36.4 36.3 30.3 12.09161 4-5 41.0 29.3 26.1 11.51730 6-7
JULY 31,1964 13 HR 24 MIN 59 SEC 55 MS	TAB NO	131 ATLAS PHOTO NO	131 POD SEQUENCE NO 920
TRAJECTORY DATA	SEC TU IMPACT	ALT LAT LCN 116.02321 -9.892 -22.205	R V PTH AZ 1851.479 2.546 +65.208 115.046
PHOTC DATA PT LAT LCN RANGE AZS/C AZN 2 -10.940 -20.143 136.23983 -57.0 9.7 3 -10.764 -20.379 131.77256 -58.3 8.9 4 -10.765 -19.068 137.52703 -62.3 10.1 5 -11.130 -19.888 141.52703 -60.0 10.5 6 -11.132 -20.315 135.44960 -51.5 9.2 7 -10.764 -20.379 131.77256 -58.3 8.9	AZSUN AZA -02.3 33.0 -81.2 32.8 -90.9 32.1 -83.5 33.2 -83.6 33.9 -81.2 32.8	A* B/A A/PHM/ 1.1.C. 2.73625 0.841 -90.2 68.1 2.64223 0.873 -87.2 68.2 2.83836 0.834 -87.2 68.2 2.83836 0.808 -93.3 68.3 2.71525 0.848 -92.9 67.8 2.64223 0.873 -87.5 67.8	THAT CMIS AIDHA SCALE PT-PT 38-7 32-8 28-3 0. 1-2 41-0 29-3 26-1 8-81757 2-3 36-4 36-3 30-3 11-89344 4-5 41-0 32-3 26-1 11-32892 6-7
JULY 31,1964 13 HR 24 MIN 59 SEC 895 MS	TAB NO	132 ATLAS PHOTO NO	POD SEQUENCE NO 921
	SEC TO IMPACT	ALT LAT LCN 114.08110 -9.903 -22.179	K V PTH AZ 1849-536 2-548 -65.191 115.041
PHOTC DATA PT LAT LON RANGE AZS/C AZN 2 -10.330 -20.150 133.97553 -57.0 9.7 3 -10.762 -20.382 129.58335 -58.3 8.9 4 -10.744 -19.978 135.24076 -62.3 10.1 5 -11.122 -19.900 139.19931 -56.0 10.5 6 -11.124 -20.319 133.19831 -51.5 9.2 7 -10.762 -20.382 129.58335 -58.3 8.9		A* B/A AZPHAZ INCD 2.69077 0.841 -90.2 68.0 2.59834 0.873 -87.5 67.8 2.71106 0.834 -87.2 68.2 2.79115 0.808 -93.3 68.3 2.67017 0.848 -92.9 67.2	

	RA-VII CAMERA	P3	23
	TAB NO	133 ATLAS PHOTO NO 133 POD SEQUENCE NO	922
JULY 31+1964 13 HR 25 MIN 0 SEC 735 MS		,	
TRAJECTORY DATA	SEC TO IMPACT 48.064	ALT LAT LCN 'R V PTH 112.13657 -9.915 -22.153 1847.594 2.549 -65.174 11	AZ 5.037
PHOTO DATA PT LAT LCN RANGE AZS/C AZN	AZSUN AZA	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE	PT-PT
2 -10.930 -20.157 131.71020 -57.0 9.7	-82.3 33.0	2.64527 0.841 -90.2 68.0 38.7 32.8 28.3 0.	1- 2 2- 3
3 -10.760 -20.365 127.39313 -56.3 8.9 4 -10.742 -19.988 132.95346 -62.3 10.1	-81.2 32.8 -80.9 32.1	2.66521 0.834 -87.2 68.2 36.4 33.7 31.1 11.82702	3- 4
5 -11.114 -19.911 136.84370 -56.0 10.5	-83.5 33.2 -83.6 33.9	2.74392 0.808 -93.3 68.3 36.4 36.2 30.2 11.49690 2.62497 0.848 -92.9 67.9 41.0 32.2 25.3 12.24989	4- 5 5- 6
6 -11.11c -20.323 130.94599 -51.5 9.2 7 -10.760 -20.385 127.39313 -58.3 8.9	-81.2 32.8	2.55442 C.873 -87.5 67.8 41.0 29.3 26.1 10.95164	6- 7
	TAB NO	134 ATLAS PHOTO NO 134 POD SEQUENCE NO	923
101Y 31,1964 13 PK ab MIN 1 SEC 575 MS		·	
TRAJECTURY DATA	SEC 10 IMPACT 47.224	ALT LAT 'LCN K V PTH 110.1943C -9.927 -22.128 1845.651 2.550 -65.158 11	AZ 5.032
PHOTE DATA PT LAT LON PANOE AZSZE AZN	AZSUN AZA		P T - P T
2 -10.925 -20.164 129.44347 -57.0 9.7	-82.3 ±1.0	2.59975 0.841 -90.2 68.0 38.7 32.8 28.3 0. 2.51048 C.873 -87.5 67.8 41.0 29.3 26.1 8.37648	1- 2 2- 3
3 -10.758 -20.388 125.20154 -58.3 8.9 4 -10.740 -19.997 130.66479 -62.3 10.1	-80.9 32.1	2.61933 0.834 -87.2 68.2 36.4 33.6 31.1 11.62285	3-4
5 -11.10a -19.922 134.48666 -56.0 10.5	-83.5 33.2 -83.6 33.9	2.69665 C.808 -93.3 68.3 36.4 36.2 30.2 11.29843 2.57979 C.848 -92.9 67.9 41.0 32.2 25.3 12.03811	5- 6
6 -11.10d -20.327 128.69229 -51.5 9.2 7 -10.758 -20.388 125.20154 -58.3 8.9		2.51048 C.873 -87.5 67.8 41.C 29.3 26.1 10.76284	6- 7
JULY 31,1964 13 HR L5 MIN 2 SEC 415 MS	TAB NO	135 ATLAS PHOTO NO 135 POD SEQUENCE NO	924
	SEC TO IMPACT	ALT LAT LON R V PTH	ΑZ
TRAJECTERY DATA	46.384	108.2516C -9.939 -22.107 1843.707 2.551 -65.141 11	
PHOTO DATA PT LAT LON RANGE AZS/C AZN		A. BIA AZPHAZ INCO PHAZ EMIS ALPHA SCALE	PT-PT
2 -10.423 -20.171 127.17571 -57.0 9.7 3 -10.756 -20.391 123.00891 -58.3 8.9		2.55420 0.841 -90.2 68.0 38.7 32.7 28.3 0. 2.46651 0.873 -87.5 67.8 41.0 29.3 26.1 8.22929	2- 3
4 -10.738 -20.007 128.37510 -62.3 10.1	-B0.9 32.1	2.57343 C.834 -87.2 68.2 36.4 33.6 31.1 11.41858	3- 4
5 -11.00% -19.933 132.12864 -56.0 10.5 6 -11.100 -20.331 126.43759 -51.5 9.2		2.53459 0.848 -92.9 67.9 41.0 32.2 25.3 11.82628	5- 6
7 -10.756 -20.391 123.00891 -58.3 8.9	-H1+Z 32+8	2.46651 C.873 -87.5 67.8 41.0 29.3 26.1 10.57404	
JULY 31,1964 13 HR 25 MIN 3 SEC 255 MS	TAB NO	136 ATLAS PHOTO NO 136 POD SEQUENCE NO	925
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH 1C6.30724 -9.551 -22.076 1841.763 2.552 -65.124 1	AZ 15-023
PHOTE: DATA			PT~PT
PT LAT LCN RANGE AZS/C AZN 2 -10-915 -20-178 124-90663 -57-0 9-7		2 50843 0 841 =90 2 68.0 38.7 32.7 28.3 0.	1- 2
3 -10.754 -20.394 120.81499 -58.3 8.°	-81.2 32.8	2.42252 C.873 -87.5 67.8 41.0 29.3 26.1 8.08211	2- 3 3- 4
4 +10.7370.017 125.08408 -02.3 10.1 5 -11.090 -11.945 129.76928 -56.0 10.5		2.60266 0.808 -93.3 68.3 36.4 36.2 30.2 10.90130	4- 5
6 -11.092 -20.335 124.16157 -51.5 9.2		2.48937 C.848 -92.9 67.9 41.0 32.2 25.3 11.61433 2.42252 C.873 -87.5 67.8 41.0 29.3 26.1 10.38504	
7 -10.754 -20.394 120.81499 -58.3 8.9	TAB NO	aroughor N	
JULY 31,1964 13 HR 75 MIN 4 SEC 95 MS	TAB NO	137 RICHO THOTO NO. 147	
TRAJECTURY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH 104.36238 -9.963 -22.050 1839.818 2.553 -65.107 1	·AZ 15.018
PHOTE DATA PT LAT LEN RANGE AZS/C 4ZF		A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE	PT-PT
2 -10.910 -20.185 122.63643 -57.0 9.	-62.3 33.0	2.46304 0.841 -90.2 68.0 38.7 32.7 28.3 0.	1- 2
3 -10.752 -20.397 118.61995 +58.3 8.4 -10.755 -,0.027 123.79197 -62.3 10.		2.48156 0.834 -87.2 68.2 36.4 33.6 31.1 11.00980	3- 4
5 -11.081 -19.956 127.40688 -96.0 10.9	-83.5 31.2	2.55473 0.808 -93.3 68.3 36.4 36.2 30.2 10.70264	4-5
6 -11.084 -20.339 121.92444 -51.6 9. 7 -10.752 -20.397 118.61995 -58.3 8.		2.44412 0.848 -92.9 67.9 41.0 32.2 25.3 11.40235 2.37850 0.873 -67.5 67.8 41.0 29.3 26.1 10.19613	
	TAB NO	138 ATLAS PHOTO NO 138 POD SEQUENCE N	10 927
JULY 31,1964 LE HR 25 MTK 4 SEC 935 MS		ALT LAT LEN R V PTH	AZ
TRAJECTORY DATA	SEC TH IMPACT 43.864	ALT LAT LCN R V PTH. 1C2.41c67 -9.975 -22.025 1837.872 2.554 -65.090 1	
PHOTO DATA PT LAT LON RANGE AZS/G AZ		AN BYA AZPHAZ INCO PHAZ EMIS ALPHA SCALE	PT-PT
2 -10.306 -10.192 120.36471 -57.0 9. 3 -10.750 -20.400 116.42340 -58.3 8.		2.41741 0.841 -90.2 68.C 38.7 32.7 28.3 0. 2.33446 C.874 -87.5 67.8 41.0 29.3 26.1 7.7874!	1- 2
4 -10.733 -20.037 121.49832 -62.3 10.	1 -60.8 32.1	2.43558 0.834 -87.2 68.1 36.4 33.6 31.1 10.80526	6 3-4
5 -11.073 -19.967 125.04691 -56.0 10. 6 -11.075 -20.344 119.66579 -51.6 9.		2.39885 0.848 -92.9 67.9 41.0 32.2 25.3 11.1902	3 5- 6
7 -10.750 -20.400 116.42340 -58.3 8.		2.33446 0.874 -87.5 67.8 41.0 29.3 26.1 10.0069	3 6- 7

	RA-VII CAMERA	b ŝ	24
	TAR NO	139 ATLAS PHOTO NO	139 POD SEQUENCE NO 928
JULY 31,1964 13 HR 25, MIN 5 SEC 775 MS		male more no	105 02402.102 110 320
TRAJECTORY DATA	SEC TO IMPACT 43.024	ALT LAT LCN	R V PTH AZ 1835.926 2.555 -65.074 115.008
PHOTO DATA			r.
PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.901 -20.199 118.09241 -57.0 9.7 3 -10.748 -20.403 114.22626 -58.3 8.9	-82.3 33.0	A* B/A AZPHAZ INCC 2.37177 0.841 -90.2 68.0	PHAZ EMIS ALPHA SCALE PT-PI 38.7 32.7 28.3 0. 1-2
4 -10.732 -20.047 119.20408 -62.3 10.1	-81.2 32.8 -80.8 32.1	2.38959 0.834 -87.2 68.3	38.7 32.7 28.3 0. 1-2 41.0 29.3 26.1 7.64011 2-3 36.4 33.6 31.1 10.60067 3-4 36.4 36.2 30.2 10.30510 4-5
5 -11.065 -19.978 122.68440 -56.0 10.5 6 -11.067 -20.348 117.40656 -51.6 9.2	-83.4 33.2 -83.6 33.8	2.460C0 C.809 -93.2 68.2	36.4 36.2 30.2 10.30510 4- 5 41.0 32.1 25.3 10.97810 5- 6
6 -11.067 -20.348 117.40 <u>656 -51.6 9.2</u> 7 -10.748 -20.403 114.22626 -58.3 8.9	-81.2 32.8	2.29040 0.874 -87.5 67.8	41.0 29.3 26.1 9.81781 6- 7
JULY 31,1964 13 HR 25 MIN 6 SEC 615 MS	TAB NO	140 ATLAS PHOTO NO	140 POD SEQUENCE NO 929
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN	R V PTH A7
PHOTO DATA		98.52415 -9.998 -21.973	R V PTH AZ 1833.979 2.556 -65.057 115.003
PT LAT LON RANGE AZS/C AZN 2 -10.896 -20.206 115.81835 -57.0 9.6 3 -10.746 -20.406 112.02742 -58.3 8.9	AZSUN AZA	A+ 6/A AZPHAZ INCE 2.32610 0.841 -90.2 68.0	PHAZ EMIS ALPHA SCALE PT-PT
3 -10.746 -20.406 112.02742 -58.3 8.9	-81.2 32.8	2.24632 0.874 -87.5 67.8	1 41.0 29.3 26.1 7.49264 2- 3
4 -10.730 -20.057 116.90813 -62.2 10.1 5 -11.057 -19.990 120.32017 -56.0 10.5	-83.4 33.2 -83.6 33.8	.2.34356 Q.83487.2 _68.2 2.41260 Q.809 -93.2 68.2	36.4 33.6 31.1 10.39595 3- 4 2 36.4 36.2 30.2 10.10613 4- 5 3 41.0 32.1 25.3 10.76582 5- 6
6 -11.059 -20.352 115.14562 -51.6 9.2 7 -10.746 -20.406 112.02742 -58.3 8.9	-83.6 33.8 -81.2 32.8	2.30823 0.848 -92.9 67.9	7 41.0 32.1 25.3 10.76582 5- 6 8 41.0 29.3 26.1 9.62850 6- 7
		141 ATLAS PHOTO NO	141 POD SEQUENCE NO 930
JULY 31,1964 13 HR 25 MIN 7 SEC 455 MS			
TRAJECTORY DATA	SEC TO IMPACT 41.345	ALT LAT LCN 96.57704 -10.010 -21.947	R V PTH AZ 1832.032 2.557 -65.040 114.999
PHOTO DATA			
PT LAT LON RANGE AZS/C AZM 2 -10.891 -20.213 113.54337 -57.0 9.6 3 -10.743 -20.469 109.82766 -58.3 8.9 4 -10.728 -20.067 114.61127 -62.2 10.1 5 -11.049 -20.001 117.95505 -56.0 10.5	-82.3 33.0	2.28041 0.842 -90.2 68.6	38.7 32.7 28.2 Q. 1-2 3 41.0 29.3 26.1 7.34508 2-3
4 -10.728 -20.067 114.61127 -62.2 10.1	-60.6 32.1	2.29752 0.834 -87.2 68.	36.4 33.6 31.1 10.19119 3- 4
6 -11.051 -20.356 112.88376 -51.6 9.2	-83.4 33.2 -83.6 33.8	2.26289 0.848 -92.9 67.4	2 36.4 36.1 30.2 9.90717 4-5
	-03.0 33.0		41.0 32.1 25.3 10.55353 5- 6
7 -10.743 -20.409 109.82766 -58.3 8.9	-81.2 32.8	2.20221 C.874 -87.5 67.8	3 41.0 29.3 26.1 9.43909 6- 7
7 -10.743 -20.409 109.82766 -58.3 8.9	-81.2 32.8 TAB NO	2.20221 C.874 -87.5 67.8	3 41.0 29.3 26.1 9.43909 6- 7
7 -10.743 -20.409 109.82766 -58.3 8.5	-81.2 32.8  TAB NO	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO	2 41.0 29.3 26.1 9.43909 6- 7 142 POD SEQUENCE NO 931  R V PTH AZ
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA	-81.2 32.8  TAB NO  SEC TO IMPACT 40.505	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAI LON 94.62901 -10.022 -21.920	R V PTH AZ 1830.084 2.559 -65.023 114.994
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA	-81.2 32.8  TAB NO  SEC TO IMPACT 40.505	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAI LON 94.52901 -10.022 -21.920  A. B/A AZPHAZ INCL 2.23469 C.842 -90.2 68.1	R V PTH AZ 1830.084 2.559 -65.023 114.994  D PHAZ EMIS ALPHA SCALE PT-PT 38.6 32.7 28.2 0. 1-2
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA	-81.2 32.8  TAB NO  SEC TO IMPACT 40.505	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAI LON 74.62901 -10.022 -21.920  A. B/A AZPHAZ INC. 2.23469 C.942 -90.2 68.1 2.15807 C.874 - 87.5 67.1	R V PTH AZ 1830.084 2.559 -65.023 114.994  D PHAZ EMIS ALPHA SCALE PT-PT 38.6 32.7 28.2 0. 1-2
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE AZS/C AZN 2 -10.885 -20.22C 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.5 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.4	TAB NO  SEC TC IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -80.8 32.1 -83.4 33.2	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAI LON 94.62901 -10.022 -21.920  A. B/A AZPHAZ INC. 2.23469 C.842 -90.2 68.2 2.15807 G.874 -87.5 67.1 2.25144 0.834 -87.5 67.2 2.31771 C.809 -99.2 68.2	R V PTH AZ 183.084 2.559 -65.023 114.994  D PHAZ EMIS ALPHA SCALE PT-PT 284.0 29.3 26.1 7.19746 2-3 3 36.4 33.6 31.0 9.98628 3-4 286.4 36.1 30.1 9.70790 4-5
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN RANGE AZS/C AZN 2 -10.885 -20.22C 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.5 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.4	-81.2 32.8  TAB NO  SEC TO IMPACT 40.505	ALT LAT LON 74.62901 -10.022 -21.752 -67.1	R V PTH AZ 1630.084 2.559 -65.023 114.994  PHAZ EMIS ALPHA SCALE PT-PT 38.6 32.7 28.2 0. 1- 2 341.0 29.3 26.1 7.19746 2- 3 136.4 33.6 31.0 9.9862 3- 4
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -10.885 -20.220 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.6 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.4 6 -11.042 -20.360 110.62027 -51.6 9.2 7 -10.741 -20.412 107.62627 -58.3 8.6	TAB NO  SEC TC IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -80.8 32.1 -83.4 33.2	ALT LAT LON 94.62901 -10.022 -21.520 68.223469 C.842 -90.2 68.223171 C.809 -93.2 68.22.31771 C.809 -93.2 68.22.31752 C.844 -87.5 67.22.15807 C.874 -87.5 67.23172 C.809 -87.24.275 C.844 -87.5 67.24.275 C.844 -87.5 67.24.25 C.844 -87.24	R V PTH AZ 1830.084 2.559 -65.023 114.994  O PHAZ EMIS ALPHA SCALE PT-PT 3841.0 29.3 26.1 7.19746 2-3 3 41.0 29.3 26.1 7.19746 2-3 3 43.6 31.0 9.38628 3-4 2 36.4 36.1 30.1 9.70790 4-5 3 41.0 29.3 26.1 9.24956 6-7
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -10.885 -20.220 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.5 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.4 6 -11.042 -20.360 110.62027 -51.6 9.7 7 -10.741 -20.412 107.62627 -58.3 8.5	TAB NO  SEC TO IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -60.8 32.1 -63.4 33.2 -63.6 33.8 -61.2 32.8 TAB NO	ATLAS PHOTO NO  ALT LAI LON 74.62901 -10.022 -21.920  A B/A AZPHAZ INC 2.23469 C.842 -90.2 68.2 2.15807 C.874 -87.2 68.2 2.31771 C.809 -99.2 68.2 2.21752 C.844 -92.9 67.2 2.15807 O.874 -87.5 67.1 3.143 ATLAS PHOTO NO	R V PTH AZ 1630.084 2.559 -65.023 114.994  POD SEQUENCE NO 931  R V PTH AZ 1630.084 2.559 -65.023 114.994  PHAZ EMIS ALPHA SCALE PT-PT 236.6 32.7 28.2 0. 1- 2 341.0 29.3 26.1 7.19746 2- 3 436.4 33.6 31.0 9.98628 3- 4 236.4 36.1 30.1 9.70790 4- 5 241.0 32.1 25.2 10.34109 5- 6 241.0 29.3 26.1 9.24956 6- 7  143 POD SEQUENCE NO 932
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -10.885 -20.22C 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.5 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.6 6 -11.042 -20.360 110.62027 -51.6 9.7 7 -10.741 -20.412 107.62627 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 9 SEC 135 MS  TRAJECTORY DATA	TAB NO  SEC TO IMPACT 40.505  AZSUN AZA 33.0 -62.3 33.0 -81.2 32.8 -80.8 32.1 -83.4 33.2 -83.6 33.8 -81.2 32.8  TAB NO  SEC TO IMPACT 39.665	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAI LON 94.62901 -10.022 -21.920  A. B/A AZPHAZ INC. 2.23469 C.842 -90.2 68. 2.15807 C.874 -87.5 67. 2.25144 0.834 -87.5 67. 2.25144 0.834 -87.5 67. 2.15807 0.874 -87.5 67. 2.15807 0.874 -87.5 67.  143 ATLAS PHOTO NO	R V PTH AZ 1830.084 2.559 -65.023 114.994  O PHAZ EMIS ALPHA SCALE PT-PT 3841.0 29.3 26.1 7.19746 2-3 3 41.0 29.3 26.1 7.19746 2-3 3 43.6 31.0 9.38628 3-4 2 36.4 36.1 30.1 9.70790 4-5 3 41.0 29.3 26.1 9.24956 6-7
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7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA PT LAT LON RANGE AZS/C AZY 2 -10.885 -20.22C 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.6 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.6 6 -11.042 -20.360 110.62027 -58.3 8.6  JULY 31,1964 13 HR 25 MIN 9 SEC 135 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE ALS/C AZY 2 -10.880 -20.227 108.98941 -57.0 9.6 3 -10.724 -20.087 10.01351 -62.2 10.5 5 -11.032 -20.087 10.01351 -62.2 10.5 5 -11.032 -20.024 113.22080 -56.0 10.6 6 -11.034 -20.365 108.35007 -51.6 9.1	TAB NO  SEC TO IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -80.8 32.1 -83.4 33.2 -83.6 33.8 -81.2 32.8  TAB NO  SEC TO IMPACT 39.665	ALT LAI LON 2.23449 C.842 -90.2 68. 2.23449 C.842 -90.2 68. 2.15807 C.874 -87.5 67. 2.25144 C.834 -87.5 67. 2.25144 C.834 -87.5 67. 2.25164 C.842 -90.2 68. 2.31771 C.809 -93.2 68. 2.31771 C.809 -93.2 68. 2.31781 C.804 -92.9 67. 2.15807 C.874 -87.5 67.  143 ATLAS PHOTO NO  ALT LAI LCN 92.68082 -10.034 -21.894  A B/A AZPHAZ INCL 2.18895 C.842 -90.2 68. 2.11391 C.874 -87.5 67. 2.20535 C.835 -87.2 68. 2.17013 C.874 -87.5 67. 2.11391 C.874 -87.5 67.	R V PTH AZ 1830.084 2.559 -65.023 114.994  POD SEQUENCE NO 931  R V PTH AZ 1830.084 2.559 -65.023 114.994  PHAZ EMIS ALPHA SCALE PT-PT 2.38.6 32.7 28.2 0. 1 - 2 3.36.4 33.6 31.0 9.98628 3- 4 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 0.32.1 25.2 10.34109 5- 6 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70874 4- 5 2.36.4 36.1 30.1 9.70874 4- 5 2.36.4 36.1 30.1 9.70874 4- 5 2.36.4 36.1 30.1 9.50874 4- 5 2.36.4 36.1 9.50874 4- 5 2.36.4 36.1 9.50874 4- 5 2.36.4 36.1 9.50874 4- 5 2.36.4
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -10.885 -20.22C 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.6 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.6 6 -11.042 -20.360 110.62027 -51.6 9.2 7 -10.741 -20.412 107.62627 -58.3 8.6  JULY 31,1964 13 HR 25 MIN 9 SEC 135 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.880 -20.227 108.98941 -57.0 9.3 3 -10.739 -20.416 105.42416 -58.3 8.6 5 -11.032 -20.024 113.22080 -56.0 10.6 6 -11.034 -20.365 108.35607 -51.6 9.7 7 -10.739 -20.416 105.42416 -58.3 8.6	TAB NO  SEC TO IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -80.8 32.1 -83.4 33.2 -83.6 33.8 -81.2 32.8  TAB NO  SEC TO IMPACT 39.665	ALT LAI LON 2.23449 C.842 -90.2 68. 2.23449 C.842 -90.2 68. 2.15807 C.874 -87.5 67. 2.25144 C.834 -87.5 67. 2.25144 C.834 -87.5 67. 2.25164 C.842 -90.2 68. 2.31771 C.809 -93.2 68. 2.31771 C.809 -93.2 68. 2.31781 C.804 -92.9 67. 2.15807 C.874 -87.5 67.  143 ATLAS PHOTO NO  ALT LAI LCN 92.68082 -10.034 -21.894  A B/A AZPHAZ INCL 2.18895 C.842 -90.2 68. 2.11391 C.874 -87.5 67. 2.20535 C.835 -87.2 68. 2.17013 C.874 -87.5 67. 2.11391 C.874 -87.5 67.	R V PTH AZ 1830.084 2.559 -65.023 114.994  POD SEQUENCE NO 931  R V PTH AZ 1830.084 2.559 -65.023 114.994  PHAZ EMIS ALPHA SCALE PT-PT 2.38.6 32.7 28.2 0. 1 - 2 3.36.4 33.6 31.0 9.98628 3- 4 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 0.32.1 25.2 10.34109 5- 6 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70790 4- 5 2.36.4 36.1 30.1 9.70874 4- 5 2.36.4 36.1 30.1 9.70874 4- 5 2.36.4 36.1 30.1 9.70874 4- 5 2.36.4 36.1 30.1 9.50874 4- 5 2.36.4 36.1 9.50874 4- 5 2.36.4 36.1 9.50874 4- 5 2.36.4 36.1 9.50874 4- 5 2.36.4
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -10.885 -20.22C 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.6 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.6 6 -11.042 -20.360 110.62027 -51.6 9.2 7 -10.741 -20.412 107.62627 -58.3 8.6  JULY 31,1964 13 HR 25 MIN 9 SEC 135 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.880 -20.227 108.98941 -57.0 9.3 3 -10.739 -20.416 105.42416 -58.3 8.6 5 -11.032 -20.024 113.22080 -56.0 10.6 6 -11.034 -20.365 108.35607 -51.6 9.7 7 -10.739 -20.416 105.42416 -58.3 8.6	TAB NO  SEC TO IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -80.8 32.1 -83.4 33.2 -83.6 33.8 -81.2 32.8  TAB NO  SEC TO IMPACT 39.665	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAT LON 74.62901 -10.022 -21.920  A. B/A AZPHAZ INC. 2.23469 C.842 -90.2 68. 2.15807 G.874 -87.5 67. 2.25144 0.834 -87.5 67. 2.25144 0.834 -87.5 67. 2.25149 C.846 -92.9 67. 2.15807 C.874 -87.5 67. 143 ATLAS PHOTO NO  ALT LAT LCN 92.68082 -10.034 -21.894  A. B/A AZPHAZ INC. 2.11391 0.874 -87.5 67. 2.20535 0.835 -87.2 68. 2.27024 0.809 -93.2 68. 2.27024 0.809 -93.2 68. 2.17213 0.848 -92.9 67. 2.11391 0.874 -87.5 67. 144 ATLAS PHOTO NO	R V PTH AZ 1828.136 2.560 -65.006 114.989  R V PTH AZ 1830.084 2.559 -65.023 114.994  O PHAZ EMIS ALPHA SCALE PT-PT C 38.6 32.7 28.2 0. 1 - 2 3 36.4 33.6 31.0 9.8628 3 4 3 41.0 29.3 26.1 7.19746 2 - 3 3 41.0 29.3 26.1 9.70790 4 - 5 3 41.0 29.3 26.1 9.24956 6 - 7  143 POD SEQUENCE NO 932  R V PTH AZ 1828.136 2.560 -65.006 114.989  O PHAZ EMIS ALPHA SCALE PT-PT C 38.0 26.1 30.1 9.78133 3 4 2 41.0 29.3 26.1 9.58133 3 4 2 41.0 29.3 26.1 9.58133 3 4 2 41.0 29.3 26.1 9.58133 3 4 2 41.0 29.3 26.1 9.5806 5 6 3 41.0 29.3 26.1 9.06004 6 7  144 POD SEQUENCE NO 933
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -10.885 -20.22C 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.6 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.6 6 -11.042 -20.360 110.62027 -51.6 9.2 7 -10.741 -20.412 107.62627 -58.3 8.6  JULY 31,1964 13 HR 25 MIN 9 SEC 135 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.880 -20.227 108.98941 -57.0 9.3 3 -10.739 -20.416 105.42416 -58.3 8.6 5 -11.032 -20.024 113.22080 -56.0 10.6 6 -11.034 -20.365 108.35607 -51.6 9.7 7 -10.739 -20.416 105.42416 -58.3 8.6	TAB NO  SEC TO IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -80.8 32.1 -83.4 33.2 -83.6 33.8 -81.2 32.8  TAB NO  SEC TO IMPACT 39.665	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAT LON 74.62901 -10.022 -21.920  A. B/A AZPHAZ INC. 2.23469 C.842 -90.2 68. 2.15807 G.874 -87.5 67. 2.25144 0.834 -87.5 67. 2.25144 0.834 -87.5 67. 2.25149 C.846 -92.9 67. 2.15807 C.874 -87.5 67. 143 ATLAS PHOTO NO  ALT LAT LCN 92.68082 -10.034 -21.894  A. B/A AZPHAZ INC. 2.11391 0.874 -87.5 67. 2.20535 0.835 -87.2 68. 2.27024 0.809 -93.2 68. 2.27024 0.809 -93.2 68. 2.17213 0.848 -92.9 67. 2.11391 0.874 -87.5 67. 144 ATLAS PHOTO NO	R V PTH AZ 1830.084 2.559 -65.023 114.994  POD SEQUENCE NO 931  R V PTH AZ 1830.084 2.559 -65.023 114.994  PHAZ EMIS ALPHA SCALE PT-PT 2.38.6 32.7 28.2 0. 1 - 2 3.36.4 33.6 31.0 9.98628 3- 4 3.36.4 33.6 31.0 9.70790 4- 5 3.41.0 29.3 26.1 9.70790 4- 5 3.41.0 29.3 26.1 9.24956 6- 7  143 POD SEQUENCE NO 932  R V PTH AZ 1828.136 2.560 -65.006 114.989  PHAZ EMIS ALPHA SCALE PT-PT 2.36.4 33.6 31.0 9.78133 3- 4 2.36.4 33.6 31.0 9.78133 3- 4 2.36.4 36.1 30.1 9.78133 3- 4 2.36.4 36.1 30.1 9.50874 4- 5 2.36.4 36.1 9.50874 4- 5 2.36.4 36.1 9.50874 4-
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -10.885 -20.22C 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.4 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 115.58826 -56.0 10.6 6 -11.042 -20.360 110.62027 -51.6 9.2 7 -10.741 -20.412 107.62627 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 9 SEC 135 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE ALS/C AZN 4 -10.724 -20.087 110.01351 -62.2 10.3 5 -11.032 -20.416 105.42416 -58.3 8.4  JULY 31,1964 13 HR 25 MIN 9 SEC 975 MS TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE ALS/C AZN 4 -10.724 -20.087 110.01351 -62.2 10.3 5 -11.032 -20.416 105.42416 -58.3 8.4  JULY 31,1964 13 HR 25 MIN 9 SEC 975 MS  TRAJECTORY DATA  PHOTO DATA  PHOT	TAB NO  SEC TO IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -60.8 32.1 -83.4 33.2 -83.6 33.8 -81.2 32.8  TAB NO  SEC TO IMPACT 39.665  AZCUN AZA -62.3 33.0 -81.2 32.8 -83.4 33.2 -83.6 33.8 -81.8 32.8  TAB NO  SEC TO IMPACT 39.665  AZCUN AZA -83.4 33.2 -83.4 33.2 -83.6 33.8 -81.2 32.8 -81.2 32.8 -81.2 32.8 -81.2 32.8 -81.2 32.8 -81.2 32.8 -81.2 32.8 -81.2 32.8	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAI LON 74.62901 -10.022 -21.920  A. B/A AZPHAZ INC. 2.23469 C.942 -90.2 68. 2.15807 C.874 -87.5 67. 2.25144 0.834 -87.5 67. 2.25144 0.834 -87.5 67. 2.15807 0.874 -87.5 67. 2.15807 0.874 -87.5 67. 2.15807 0.874 -87.5 67.  143 ATLAS PHOTO NO  ALT LAI LCN 92.68082 -10.034 -21.894  A. B/A AZPHAZ INC. 2.18895 0.842 -90.2 68. 2.17213 0.848 -92.9 67. 2.21351 0.874 -87.5 67.  144 ATLAS PHOTO NO  ALT LAI LCN 90.73175 -10.046 -21.888  ATLAS PHOTO NO  ALT LAI LCN 90.73175 -10.046 -21.888  ATLAS PHOTO NO  ALT LAI LCN 90.73175 -10.046 -21.888  ATLAS PHOTO NO	R 1830.084 2.559 -65.023 114.994  POD SEQUENCE NO 931  R 1830.084 2.559 -65.023 114.994  PHAZ EMIS ALPHA SCALE PT-PT 3 8.6 32.7 28.2 0. 1 - 2 3 41.0 29.3 26.1 7.19746 2- 3 3 36.4 33.6 31.0 9.98628 3- 4 2 36.4 36.1 30.1 9.70790 4- 5 3 41.0 29.3 26.1 7.19746 6- 7  143  POD SEQUENCE NO 932  R 1828.136 2.560 -65.006 114.989  PHAZ EMIS ALPHA SCALE PT-PT 3 30.0 32.7 20.2 0. 1 - 2 3 41.0 29.3 26.1 7.19786 2- 3 3 36.4 33.6 31.0 9.78133 3- 4 2 41.0 29.3 26.1 7.04976 2- 3 3 36.4 33.6 31.0 9.78133 3- 4 2 41.0 29.3 26.1 7.04976 2- 3 3 41.0 29.3 26.1 7.04976 2- 3 4 41.0 29.3 26.1 9.50874 4- 5 3 41.0 29.3 26.1 9.50874 4- 5 3 41.0 29.3 26.1 9.50874 4- 5 3 41.0 29.3 26.1 9.50874 4- 5 3 41.0 29.3 26.1 9.50874 4- 5 3 41.0 29.3 26.1 9.508074 2- 3 3 41.0 29.3 26.1 9.508074 2- 3 3 41.0 29.3 26.1 9.508074 2- 3 3 41.0 29.3 26.1 9.508074 2- 3 3 41.0 29.3 26.1 9.508074 2- 3 3 41.0 29.3 26.1 9.508074 2- 3 3 41.0 29.3 26.1 9.508074 2- 3 3 41.0 29.3 26.1 6.90207 2- 3 3 41.0 29.3 26.1 6.90207 2- 3 3 41.0 29.3 26.1 6.90207 2- 3
7 -10.743 -20.409 109.82766 -58.3 8.5  JULY 31,1964 13 HR 25 MIN 8 SEC 295 MS  TRAJECTORY DATA  PHOTC DATA  PT LAT LON RANGE AZS/C AZN 2 -10.885 -20.220 111.26676 -57.0 9.6 3 -10.741 -20.412 107.62627 -58.3 8.6 4 -10.726 -20.077 112.31275 -62.2 10.1 5 -11.040 -20.013 15.58826 -56.0 10.6 6 -11.042 -20.360 110.62027 -51.6 9.7 7 -10.741 -20.412 107.62627 -58.3 8.6  JULY 31,1964 13 HR 25 MIN 9 SEC 135 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE MAS/C AZN 4 -10.729 -20.412 107.62627 -58.3 8.6 4 -10.729 -20.412 107.62627 -58.3 8.6 5 -11.032 -20.024 113.22080 -56.0 10.6 6 -11.034 -20.365 108.35607 -51.6 9.7 7 -10.739 -20.412 105.42616 -58.3 8.6  JULY 31,1964 13 HR 25 MIN 9 SEC 975 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C AZM 2 -10.875 -20.234 106.71049 -57.0 9.3 3 -10.737 -20.419 103.22050 -58.3 8.6 4 -10.723 -20.491 107.71272 -62.2 10.5 5 -11.024 -20.035 110.85177 -56.0 10.4 5 -56.0 10.4	TAB NO  SEC TO IMPACT 40.505  AZSUN AZA -62.3 33.0 -61.2 32.8 -60.8 32.1 -63.6 33.8 -61.2 32.8  TAB NO  SEC TO IMPACT 39.665  -2.2 -63.6 33.8 -61.2 32.8  TAB NO  SEC TO IMPACT 39.665  TAB NO  SEC TO IMPACT 39.665  -62.3 33.0 -61.2 32.8 -63.6 33.8 -61.2 32.8 -63.6 33.8 -61.2 32.8 -63.6 33.8 -61.2 32.8 -63.6 33.8 -61.2 32.8 -63.6 33.8 -61.2 32.8 -63.6 33.8 -61.2 32.8 -63.6 33.8 -61.2 32.8 -63.6 33.8 -63.6 33.8 -63.6 33.8 -63.6 33.8 -63.6 33.8 -63.6 33.8 -63.6 33.8	2.20221 C.874 -67.5 67.1  142 ATLAS PHOTO NO  ALT LAT LON 74.62901 -10.022 -21.920  A. B/A AZPHAZ INC. 2.23469 C.842 -90.2 68. 2.15807 0.874 -87.5 67. 2.25144 0.834 -87.5 67. 2.25144 0.834 -87.5 67. 2.25149 C.846 -92.9 67. 2.15807 0.874 -87.5 67.  143 ATLAS PHOTO NO  ALT LAT LCN 92.68082 -10.034 -21.894  A. B/A AZPHAZ INC. 2.1895 0.842 -90.2 68. 2.17213 0.848 -92.9 67. 2.1351 0.874 -87.5 67. 144 ATLAS PHOTO NO  ALT LAT LCN 2.11351 0.874 -87.5 67. 144 ATLAS PHOTO NO  ALT LAT LCN 90.73175 -10.046 -21.868  A. B/A AZPHAZ INC. 2.14318 0.842 -90.2 68. 2.1693 0.854 87.5 67. 144 ATLAS PHOTO NO  ALT LAT LCN 90.73175 -10.046 -21.868  A. B/A AZPHAZ INC. 2.14318 0.842 -90.2 68. 2.206912 0.874 -87.5 67. 2.15933 0.835 -87.2 68. 2.22274 0.809 -93.2 68. 2.22274 0.809 -93.2 68. 2.22274 0.809 -93.2 68.	R V PTH AZ 1830.084 2.559 -65.023 114.994  POD SEQUENCE NO 931  R V PTH AZ 1830.084 2.559 -65.023 114.994  PHAZ EMIS ALPHA SCALE PT-PT 3 36.6 32.7 28.2 0. 1-2 3 41.0 29.3 26.1 7.19746 2-3 3 41.0 29.3 26.1 9.70790 4-5 3 41.0 29.3 26.1 9.70790 4-5 3 41.0 29.3 26.1 9.70790 4-5 3 41.0 29.3 26.1 9.70790 4-5 3 41.0 29.3 26.1 9.70790 4-5 3 41.0 29.3 26.1 9.70790 4-5 3 41.0 29.3 26.1 9.70790 4-5 3 41.0 29.3 26.1 9.70790 4-5 3 41.0 29.3 26.1 9.24956 3 41.0 29.3 26.1 9.24956 3 41.0 29.3 26.1 7.04976 2-3 3 41.0 29.3 26.1 7.04976 2-3 3 41.0 29.3 26.1 9.50874 4-5 3 41.0 29.3 26.1 9.70876 2-3 3 41.0 29.3 26.1 9.06004 6-7  144 POD SEQUENCE NO 933  R V PTH AZ 1826.187 2.561 -64.989 114.984

	RA-VII CAMERA	P3 25_
JULY 31,1964 13 HR 25 MIN 10 SEC 815 MS	TAB NO	145 ATLAS PHOTO NO 145 POD SEQUENCE NO 934
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON R Y PTH AZ
PHOTO DATA	37.985	88.78238 -10.058 -21.842 1824.238 2.562 -64.971 114.979
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.870 -20.242 104.43067 -57.0 9.6	AZ SUN AZA -82.3 33.0	A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.870 -20.242 104.43067 -57.0 9.6 3 -10.735 -20.422 101.01594 -58.3 8.9	-82.3 33.0 -81.2 32.8	2.09739 0.842 -90.2 68.0 38.6 32.7 28.2 0. 1-2 2.02552 0.874 -87.5 67.8 41.0 29.3 26.1 6.75421 2-3
4 -10.721 -20.107 105.41104 -62.2 10.1	-80.8 32.2	2.09739 0.884 -90.2 68.0 36.0 32.7 26.2 2.0252 0.884 - 87.5 67.8 41.0 29.3 26.1 6.75421 2-3 2.11309 0.835 -87.2 68.1 36.4 33.5 31.0 9.37115 3-4 2.17522 0.809 -93.2 68.2 36.4 36.1 30.1 9.11022 4-5
4 -10.721 -20.107 105.41104 -62.2 10.1 5 -11.016 -20.047 108.48187 -56.0 10.4 6 -11.018 -20.373 103.82364 -51.6 9.2	-83.4 33.2	2.17522 0.809 -93.2 68.2 36.4 36.1 30.1 9.11022 4-5 2.08127 0.848 -92.9 67.8 41.0 32.1 25.2 9.70338 5-6
6 -11.018 -20.373 103.82364 -51.6 9.2 7 -10.735 -20.422 101.01594 -58.3 8.9	-83.6 33.8 -81.2 32.8	2.08127 0.848 -92.9 67.8 41.0 32.1 25.2 9.70338 5-6 2.02552 0.874 -87.5 67.8 41.0 29.3 26.1 8.68059 6-7
7 -10.755 -20.422 101.01554 -50.5 6.4	TAB NO	
JULY 31,1964 13 HR 25 MIN 11 SEC 655 MS		
TRAJECTORY DATA	SEC. TO IMPACT	ALT LAT LON R Y P.IH AZ
IRASECTORT DATA	37.145	ALT LAT LON R Y P.H AZ 86.83209 -10.071 -21.815 1822.287 2.563 -64.954 114.974
PHOTO DATA		
PT LAT LCN RANGE AZS/C AZN 2 -10.865 -20.249 102.14924 -57.0 9.6 3 -10.733 -20.425 98.80979 -58.3 8.9	AZSUN AZA -82.3 33.0	A* 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 2.05157 0.842 -90.2 67.9 38.6 32.7 28.2 0. 1-2
3 -10.733 -20.425 98.80979 -58.3 8.9	-81.2 32.8	1.98128 0.874 -87.5 67.8 41.0 29.3 26.1 6.60636 2-3
4 -10.719 -20.118 103.10773 -62.2 10.1	-80.8 32.2	2.06692 0.835 -87.2 68.1 36.4 33.5 31.0 9.16589 3-4 2.12767 0.810 -93.2 68.1 36.4 36.1 30.1 8.91065 4-5
5 -11.007 -20.058 106.11035 -56.0 10.4 6 -11.009 -20.378 101.55538 -51.6 9.2	-83.4 33.2 -83.6 33.8	2.03580 0.848 -92.9 67.8 41.0 32.1 25.2 9.49062 5- 6
7 -10.733 -20.425 98.80979 -58.3 8.9	-81.2 32.8	1.98128 0.874 -87.5 67.8 41.0 29.3 26.1 8.49076 6- 7
	TAB NO	147 ATLAS PHOTO NO 147 POD SEQUENCE NO 936
JULY 31,1964 13 HR 25 MIN 12 SEC 495 MS		147 AIDAS FROID NO 147 TOD SEQUENCE NO SEC
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON K V PTH AZ 84.88152 -10.083 -21.789 1820.337 2.564 -64.937 114.970
PHOTO DATA		
PT LAT LON RANGE AZS/C AZN 2 -10.860 -20.256 99.86691 -57.0 9.6	AZSUN AZA -82.3 33.0	1-3
3 -10.731 -20.429 96.60275 -58.3 8.9	-81.2 32.8	1.93703 0.874 -87.5 67.8 41.0 29.3 26.1 6.45843 2-3
4 -10.717 -20.128 100.80355 -62.2 10.1	-80.8 32.2	2.02073 0.835 -87.2 68.1 36.4 33.5 31.0 8.96058 3-4
5 +10.999 -20.070 103.73796 -56.0 10.4 6 -11.001 -20.382 99.28622 -51.6 9.2	-83.4 33.2 -83.6 33.8	2.08010 0.81C -93.2 68.1 36.4 36.1 30.1 8.71109 4-5 1.99031 0.849 -92.9 67.8 41.0 32.1 25.2 9.27782 5-6
7 -10.731 -20.429 96.60275 -58.3 8.9	-81.2 32.8	1.93703 0.874 -87.5 67.8 41.0 29.3 26.1 8.30082 6- 7
	TAB NO	148 ATLAS PHOTO NO 148 POD SEQUENCE NO 937
JULY 31,1964 13 HR 25 MIN 13 SEC 335 MS		146 MILAS PROTO NO 146 POD SEQUENCE NO SSS
		ALT LAT LON R V PTH AZ
TRAJECTURY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH AZ 82.93C19 -10.C95 -21.763 1818.385 2.565 -64.920 114.965
PHOTO DATA		
PT LAT LON RANGE AZS/C AZN 2 -10.855 -20.263 97.58315 -57.0 9.6	4ZSUN AZA -82.3 33.0	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 1.95986 0.842 -90.2 67.9 38.6 32.6 28.2 0. 1-2
3 -10.729 -20.432 94.39431 -58.3 8.9	-81.2 32.8	1.89274 0.874 -87.5 67.8 41.0 29.3 26.1 6.31039 2- 3
4 -10.715 -20.138 98.49795 -62.2 10.0	-80.8 32.2 -83.4 33.1	1.97451 0.835 -87.2 68.0 36.4 33.5 31.0 8.75518 3-4 2.03250 0.81C -93.2 68.1 36.4 36.1 30.1 8.51143 4-5
5 -10.991 -20.081 101.36418 -56.0 10.4 6 -10.993 -20.386 97.01567 -51.6 9-2	-83.4 33.1 -83.6 33.8	2.03250 0.810 -93.2 68.1 36.4 36.1 30.1 8.51143 4-5 1294480 0.849 -92.9 67.8 41.0 32.1 25.2 9.06491 5-6
7 -10.729 -20.432 94.39431 -58.3 8.9	-81.2 32.8	1.89274 0.874 -87.5 67.8 41.0 29.3 26.1 8.11069 6- 7
	T10 N0	149 ATLAS PHOTO NO 149 POD SEQUENCE NO 938
JULY 31,1964 13 HR 25 MIN 14 SEC 174 MS	TAB NO	149 AILAS PROTO NO 149 POD SEQUENCE NO 350
TRAJECTORY DATA	SEC TO IMPACT	
		ALT LAT LCN R V PTH AZ
PHOTO DATA	34.625	80.97845 -10.107 -21.736 1816.434 2.566 -64.903 114.960
PT LAT LCN RANGE AZS/C AZN	34.625 Azsun Aza	80.97845 -10.107 -21.736 1816.434 2.566 -64.903 114.960
PT LAT LCN RANGE AZS/C AZN 2 -10.850 -20.270 95.29820 -57.0 9.6	34.625 AZSUN AZA -82.3 33.0	80.97845 -10.107 -21.736 1816.434 2.566 -64.903 114.960  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 1.91397 0.842 -90.2 67.9 38.6 32.6 28.2 0. 1 - 2 1.88844 0.874 -87.5 67.8 41.0 29.3 26.1 6.16236 2- 3
PT LAT LCN RANGE AZS/C AZN 2 -10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -6.2 10.0	34.625  AZSUN AZA -82.3 33.0 -81.2 32.8 -80.8 32.2	80.97845 -10.107 -21.736 1816.434 2.566 -64.903 114.960  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 1.91397 0.842 -90.2 67.9 38.6 32.6 28.2 0. 1-2 1.84844 0.874 -87.5 67.8 41.0 29.3 26.1 6.16236 2-3 1.92827 0.835 -87.2 68.0 36.4 33.5 31.0 8.54966 3-4
PT LAT LCN RANGE ALS/C AZN 2 -10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18466 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.98 -20.93 98.9920 -56.0 10.4	34.625  AZSUN AZA -82.3 33.0 -81.2 32.8 -80.8 32.2	80.97845 -10.107 -21.736
PT LAT LCN RANGE AZS/C AZN 2 -10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.983 -20.093 98.98920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2	34.625  AZSUN AZA -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -63.6 33.8	80.97845 -10.107 -21.736 1816.434 2.566 -64.903 114.960  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA 5CALE PT-PT 1.91397 0.842 -90.2 67.9 38.6 32.6 28.2 0. 1 - 2 1.88844 0.874 -87.5 67.8 41.0 29.3 26.1 6.16236 2-3 1.92827 0.835 -87.2 68.0 36.4 33.5 31.0 8.54966 3- 4 1.98468 0.810 -93.2 68.1 36.4 36.0 30.1 8.31177 4- 5 1.89926 0.849 -92.9 67.8 41.0 32.1 25.2 8.85191 5- 6
PT LAT LCN RANGE AZS/C AZN 2 -10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.983 -20.093 98.98920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 92.2	34.625  AZ SUN AZ A -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -83.6 33.8 -81.2 32.8	80.97845 -10.107 -21.736
PT LAT LCN RANGE AZSZC AZN 2 -10.850 -20.270 95.29520 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.983 -20.093 98.98920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2 7 -10.727 -20.435 92.18468 -58.3 8.9	34.625  AZ SUN AZ A -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -83.6 33.8 -81.2 32.8  TAB NO	80.97845 -10.107 -21.736
PT LAT LCN RANGE A/S/C AZN 2 -10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.983 -20.093 98.98920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2 7 -10.727 -20.435 92.18468 -58.3 8.9	34.625  AZ SUN AZ A -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -83.6 33.8 -81.2 32.8  TAB NO	80.97845 -10.107 -21.736
PT LAT LCN RANGE AZSZC AZN 2 -10.850 -20.270 95.29520 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.983 -20.093 98.98920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2 7 -10.727 -20.435 92.18468 -58.3 8.9	34.625  AZ SUN AZ A -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -83.6 33.8 -81.2 32.8  TAB NO	80.97845 -10.107 -21.736
PT LAT LCN RANGE AZSZC AZN 2-10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.984 -20.391 8.9920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2 7 -10.727 -20.435 92.18468 -58.3 8.9   JULY 31,1964 13 HR 25 MIN 15 SEC 14 MS  TRAJECTORY DATA	34.625  AZ SUN AZ A -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -83.6 33.8 -81.2 32.8  TAB NO	80.97845 -10.107 -21.736
PT LAT LCN RANGE AZSZC AZN 2-10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.984 -20.391 8.9920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2 7 -10.727 -20.435 92.18468 -58.3 8.9   JULY 31,1964 13 HR 25 MIN 15 SEC 14 MS  TRAJECTORY DATA	34.625  AZ SUN AZ A -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -83.6 33.8 -81.2 32.8  TAB NO  SEC TO IMPACT 33.785  AZ SUN AZ A	80.97845 -10.107 -21.736
PT LAT LCN RANGE AZSZC AZN 2 -10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.983 -20.093 98.9920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2 7 -10.727 -20.435 92.18468 -58.3 8.9  JULY 31,1964 13 HR 25 MIN 15 SEC 14 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZSZC AZN 2 -10.845 -20.278 93.01146 -57.0 9.6	34.625  AZSUN AZA -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -63.6 33.8 -81.2 32.8  TAB NO  SEC TO I PPACT 33.785  AZSUN AZA -82.3 33.0	80.97845 -10.107 -21.736
PT LAT LCN RANGE AZS/C AZN 2 -10.850 -20.270 95.29520 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.983 -20.093 98.98920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2 7 -10.727 -20.435 92.18468 -58.3 8.9  JULY 31,1964 13 HR 25 MIN 15 SEC 14 MS  TRAJECTORY DATA  PHOTC DATA PT LAT LON RANGE AZS/C AZN 2 -10.845 -20.278 93.01146 -57.0 9.6 3 -10.724 -20.438 89.97333 -58.3 8.9 4 -10.712 -70.158 93.88253 -62.2 10.2	34.625  AZSUN AZA -82.3 33.0 -81.2 32.8 -80.8 32.2 -83.4 33.1 -83.6 33.8 -81.2 32.8  TAB NO  SEC TO I MPACT 33.785  AZSUN AZA -82.3 33.0 -81.1 32.8 -60.4 32.2	80.97845 -10.107 -21.736
PT LAT LCN RANGE AZS/C AZN 2 -10.850 -20.270 95.29620 -57.0 9.6 3 -10.727 -20.435 92.18468 -58.3 8.9 4 -10.714 -20.148 96.19114 -62.2 10.0 5 -10.983 -20.93 98.98920 -56.0 10.4 6 -10.984 -20.391 94.74394 -51.6 9.2 7 -10.727 -20.435 92.18468 -58.3 8.9  JULY 31,1964 13 HR 25 MIN 15 SEC 14 MS  TRAJECTORY DATA  PHOTC DATA PT LAT LON RANGE AZS/C AZN 2 -10.845 -20.278 93.01146 -57.0 9.6 3 -10.724 -20.438 89.97333 -58.3 8.9	34.625  AZ SUN AZ A -82.3 33.0 -81.2 32.8 -80.4 33.1 -63.6 33.8 -81.2 32.8  TAB NO  SEC TO IMPACT 33.785  AZ SUN AZ A -82.3 33.0 -81.1 32.8 -80.0 32.2 -80.0 32.2 -80.0 32.2	80.97845 -10.107 -21.736

			RA-VII CAMER	A P3			26
			TAB NO	151	ATLAS PHOTO NO	151 POI	SEQUENCE NO 940
JULY 31,1964 13 HK	25 MIN 15 SEC 8	54 MS					
TRAJECTORY DATA			SEC TO IMPACT 32.945		LAT LON 0 -10.131 -21.683	R y 1812.528 2.5	PTH AZ 69 -64.868 114.950
PHOTO DATA PT LAT LON	RANGE AZS/	AZN	AZ SUN AZA	Δ+	B/A AZPHAZ INCC	PHAT FMIS ALPH	A SCALE PT-PT
2 -10.840 -20.285	90.72391 -57.	9.6	-82.2 33.0	1.82210	0.842 -90.2 67.9 0.874 -87.5 67.7	38.6 32.6 28.	2 0 1- 2
3 -10.722 -20.442 4 -10.710 -20.169	87.76116 -58. 91.57314 -62.			1.75974			
5 -10.966 -20.116	94.23485 -56.	10.4	-83.4 33.1	1.88955	C.81C -93.2 68.1	1 36.4 36.0 30.	0 7.91193 4-5
6 -10.968 -20.400 7 -10.722 -20.442	90.19620 -51. 87.76116 -58.		-83.6 33.7 -81.1 32.8	1.80810	0.849 -92.9 67.8	3 41.0 32.1 25. 7 41.0 29.3 26.	
1 -10.122 -20.442	07.70110 -50.	0.7	TAB NO		ATLAS PHOTO NO		
JULY 31,1964 13 HR	25 MIN 16 SEC 6	94 MS	IAD III	, 132	AILAS PHOTO NO	152 PUI	D SEQUENCE NO 941
TRAJECTORY DATA			SEC TO IMPACT 32.105	ALT	LAT LON 3 -10.144 -21.656	R . V	PTH AZ
PHOTO DATA			32.103	13.1171	5 -10.144 -21.056	1010.574 2.5	
PT LAT LCN 2 -10.835 -20.292	RANGE AZS/		AZ SUN AZ A	Δ*	B/A AZPHAZ INCO	PHAZ EMIS ALPH	A SCALE PT-PT
3 -10.720 -20.292	88.43463 -57. 85.54728 -58.		-82.2 33.0 -81.1 32.8	1.77613	0.842 -90.2 67.9	9 38.6 32.6   28. 7 41.C 29.3   26.	2 0. 1-2 1 5.71754 2-3
4 -10.708 -20.179	89.2620062.	10.0		1.78937			
5 -10.958 -20.128	91.85555 -56.	10.4	-83.4 33.1	1.84184	0.810 -93.2 68.1	L 36.4 36.0 30.	0 7.71186 4-5
6 ~10.959 -20.404 7 ~10.720 -20.445	87.92017 -51. 85.54728 -58.	7 9.2 3 8.9		1.76247		3 41.0 32.1 25. 7 41.0 29.3 26.	
. 201120 201475	03.34120 -30.	0.7					
JULY 31,1964 13 HR	25 MIN. 17 SEC_5	34 MS	TAB NO	153	ATLAS PHOTO NO	153 POI	SEQUENCE NO 942
TRAJECTORY DATA			SEC TO IMPACT 31.265	ALT	LAT LON 3 -10.156 -21.629	R V	PTH AZ
PHOTO DATA			31.203	13.1631	3 -10-130 -21-029	1000.020 2.5	71 -04.033 114.940
PT LAT LCN	RANGE AZS/	. AZN	AZSUN AZA	A *	B/A AZPHAZ INCO	PHAZ EMIS ALPH	A SCALE PT-PT
2 -10.830 -20.300 3 -10.718 -20.449	86.14468 <u>-57.</u> 83.33272 -58.	2 9±6 3 8•9	-82.2 33.0 -81.1 32.8	1.73013	0.842 -90.2 67.5 0.874 -87.5 67.7	7 38.6 32.6 28. 7 41.0 29.3 26.	2 0. 1-2 0 5.56926 2-3
4 -10.706 -20.189	86.95020 -62.	2 10.0	-80.8 32.2	1.74302	0.835 -87.2 68.0		
5 -10.949 -20.139	89.47561 -56.	10.4	-83.4 33.1	1.79412	0.810 -93.2 68.1	1 36.4 36.0 30.	0 7.5118C 4- 5
6 -10.951 -20.408 7 -10.718 -20.449	85.64350 -51. 83.33272 -58.		-83.6 33.7 -81.1 32.8	1.71683		3 41.0 32.0 25. 7 41.0 29.3 26.	2 7.99889 5-6. 0 7.15913 6-7
7 202110 201447			TAB NO		ATLAS PHOTO NO		SEQUENCE NO 943
JULY 31,1964 13 HR	25 MIN 18 SEC 3	74 MS	IAD INC	104	AILAS FROID NO	194 POL	SEQUENCE NO 545
TRAJECTORY DATA			SEC TO IMPACT 30.425		LAT LON 1 -10.168 -21.602	R V 1806-665 2:5	PTH AZ 72 -64.816 114.935
PHOTO DATA PT LAT LON	DANCE A75/	C . A7N	AZSUN AZA	Α+	B/A AZPHAZ INCE	DUAZ ENTE ALOU	A SCALE PT-PT
2 -10.824 -20.307	83.85305 -57.	9.6	-82.2 33.0	1.68411	0.842 -90.2 67.9	38.6 32.6 28.	2 01-2
3 -10.716 -20.452	81.11652 -58.	8.9	-82.2 33.0 -81.1 32.8 -80.8 32.2	1.62651	0.874 -87.5 67.7	7 41.0 29.2 26.	0 5.42074 2- 3
4 -10.704 -20.200 5 -10.941 -20.151	84.63675 -62. 87.09404 -56.	2 10.0 0 10.4	-80.8 32.2	1.69665	0.836 -87.2 68.0 0.811 -93.2 68.1		
6 -10.943 -20.413	83.36518 -51.		-83.4 33.1 -83.6 33.7	1.67116	0.849 -92.9 67.8	41.0 32.0 25.	
7 -10.716 -20.452	83.36518 -51. 81.11652 -58.	3 8.9	-83.6 33.7 -81.1 32.8	1.62651	0.874 -87.5 67.7	7 41.0 29.2 26.	0 6.96837 6- 7
JULY 31,1964 13 HR	25 NTN 10 SEC 2	14 MS	TAB NO	155	ATLAS PHOTO NO	155 POI	SEQUENCE NO 944
	L2 010 17 3EU 2	. + //3					
TRAJECTORY DATA			SEC TO IMPACT 29.585	ALT 69.2549	LAT LGN 3 -10.180 -21.576	R V 1804.710 2.5	PTH AZ 73 -64.799 114.930
PHOTO DATA PT LAT LON	RANGE A45/				0/4 470447 1444		A CCALE 07 07
2 -10.819 -20.315	RANGE A23/ 81.56051 -57.		-82.2 33.0		0.843 +90.2 67.9	1 PHAI EMIS ALPH 3 38.6 32.6 28	A SCALE PT-PT 1 0. 1-2
3 -10.714 -20.455	78.89938 -58.	3 8.9	-81.1 32.8	1.58205	0.843 +90.2 67.5 0.874 -87.5 67.7	7 41.0 29.2 26.	0 5.27233 2-3
4 -10.703 -20.210 5 -10.933 -20.163	82.32237 -62. 84.71156 -56.			1.65025	0.836 -87.2 68.0	36.4 33.5 30.	
6 -10.934 -20.417	81.08594 -51.	7 9.2	-83.4 33.1 -83.6 33.7	1.62547		36.4 36.0 30. 8 41.0 32.0 25.	
7 -10.714 -20.455	78.89938 -58.	3 8.9	-81.1 32.8	1.58205	0.874 -87.5 67.7	7 41.0 29.2 26.	0 6.77781 6- 7
			TAB NO	156	ATLAS PHOTO NO	156 POI	SEQUENCE NO 945
JULY 31,1964 13 HR	25 MIN 20 SEC	54 MS					
TRAJECTORY DATA	==		SEC TO IMPACT 28.745	ALT 67.2988	LAT LON 4 -10.193 -21.549	R V 1602.754 2.5	PTH AZ 74 -64.781 114.925
PHOTO DATA PT LAT LON	RANGE AZS/	C A7N	AZ SUN AZA	Δ.	B/A AZPHAZ INCO	D PHAZ EMIS ALDH	A SCALE PT-PT
2 -10.814 -20.322	79.26645 -57.	9.6	-82.2 33.0		C.843 -90.2 67.9	9 38.6 32.6 28.	1 0. 1-2
3 -10.711 -20.459 4 -10.701 -20.220	76.68076 -58. 80.00649 -62.		-81.1 32.8	1.53756		7 41.0 29.2 26.	0 5.12373 2- 3
5 -10.924 -20.175	82.32759 -56.				0.836 -87.2 68.0 0.811 -93.2 68.0	0 36.4 33.4 30. 0 36.4 35.9 30.	
6 -10.926 -20.422	78.80519 -51.	7 9.2	-83.6 33.7	1.57975	0.849 -92.9 67.8	8 41.0 32.0 25.	2 7.35829 5-6
7 -10.711 -20.459	76.68076 -58.	3 8.9	-81.1 32.8	1.53756	0.874 -87.5 67.7	7 41.0 29.2 26.	

			RA-VII CAMERA	1 P3			27
JULY 31,1964 13 HR	25 MIN 20 SEC 8	94 MS	TAB NO	157	ATLAS PHOTO NO	157 POD	SEQUENCE NO 946
TRAJECTORY DATA			SEC TO IMPACT	ALT	LAT LON	R V	PTH AZ
BUOTO INATA			27.905	65.3423	5 -10.205 -21.522	1800.798 2.57	6 -64.764 114.920
PT LAT LON 2 -10.807 -20.329	RANGE AZS/	C AZN	AZ SUN AZ A	A *	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -10.807 -20.329	76.97138 -57.	0 9.6	-82.2 33.0	1.54590	0.843 -90.2 67.9	38.6 32.6 28.1	0. 1- 2 4.97510 2- 3 6.90204 3- 4
3 -10.709 -20.462 4 -10.699 -20.231	74.46112 -58. 77.66963 -62.	3 8.9	-81.1 32.8 -60.8 32.3	1.49306	0.874 -87.5 67.7	41.0 29.2 26.0	4.97510 2- 3
5 -10.916 -20.186	77.66963 -62. 79.94264 -56.		-80.8 32.3 -83.4 33.1	1.55739			6.90204 3- 4 6.71055 4- 5
6 -10.317 -20.427	76.52344=51.		-83.6 33.7	1.53401		41.0 32.0 25.2	7.14463 5- 6
7 -10.709 -20.462	74.46112 -58.	3 8.9	-81.1 32.8	1.49306	0.874 -87.5 67.7	41.0 29.2 26.0	6.39608 6- 7
			TAD NO	150	ATI AO BUOTO NO	150 000	SEQUENCE NO 947
JULY 31,1964 13 HK	25 MIN 21 SEC 7	34 PS	TAB NO	128	ATLAS PHOTO NO	158 POD	SEQUENCE NO 347
TRAJECTORY DATA							
IKAJECICKY DATA			27.065	ALT 63-3851	LAT LON 8 -10.217 -21.495	1798-840 2-57	PIH AZ 77 -64.746 114.915
PHOTO DATA			211003	0343031		17701010 2031	
PT LAT LCN 2 -10.804 -20.337	RANGE AZS/	C AZN	AZSUN AZA	A •	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -10.804 -20.337 3 -10.707 -20.466	74.67494 -57. 72.24014 -58.	9.6	-82.2 33.0 -81.1 32.8	1.49978	0.843 -90.2 67.9 0.874 -87.5 67.7	38.6 32.6 28.1	0. 1- 2 4.82637 2- 3
4 -10.697 -20.241	75.37141 -62.	2 10.0	-80.8 32.8	1.51001	0.836 -87.2 67.9	36.4 33.4 30.0	6.69569 3- 4
5 -10.908 -20.198	17.55634 -56.	0 10.4	-83.4 33.1	1.55512	0.811 -93.2 68.0	36.4 35.9 30.0	6.50989 4- 5
6 -10.909 -20.431	74.24035 -51.	7 9.2	-83.6 33.7	1.48824	0.849 -92.9 67.8	41.0 32.0 25.2	6.93085 5- 6
7 -10.707 -20.466	72.24014 -58.	3 8.9	-81.1 32.8	1.44852	0.874 -87.5 67.7	41.0 29.2 26.0	6.20502 6- 7
			TAB NO	159	ATLAS PHOTO NO	159 POD	SEQUENCE NO 948
JULY 31,1964 13 HR	25 MIN 22 SEC 5	74 MS					
TRAJECTORY DATA			SEC TO IMPACT	A1 T	IAT ION	u v	PTH AZ
			26.225	61.4275	LAT LON 2 -10.230 -21.467	1796.883 2.57	8 -64.728 114.910
PHOTO DATA							
PT LAT LON 2 -10.798 -20.344	RANGE AZS/	C AZN	AZSUN AZA -82.2 33.0	A+	8/A AZPHAZ INCO 0.843 -90.2 67.8	PHAZ EMIS ALPHA	SCALE PT-PT
3 -10.705 -20.469	70.01807 -58.	3 8.9	-81.1 32.8	1.40397	C.874 -87.4 67.7	41.0 29.2 26.0	0. 1-2
4 -10.695 -20.252	73.05211 -62.	1 10.0		1.46442	0.836 -87.2 67.9	36.4 33.4 30.9	6.48928 3-4
5 -10.699 -20.210	75.16900 -56.			1.50725		36.4 35.9 30.0	6.30933 4- 5
6 -10.901 -20.436 7 -10.705 -20.469	71.95618 -51.	7 9.2	-83.6 33.7	1.44245	0.849 -92.9 67.8	41-0 32-0 25-2	6.71703 5- 6
7 -10.705 -20.469	70.01807 -58.		-81.1 32.8	1.40397	0.874 -87.4 67.7	41.0 29.2 26.0	6.01395 6- 7
			TAB NO	160	ATLAS PHOTO NO	160 POD	SEQUENCE NO 949
JULY 31,1964 13 HK	25 MIN 23 SEC 4	14 MS					
TRAJECTORY DATA	25 MIN 23 SEC 4		SEC TO IMPACT	ALT		R V	-
TRAJECTORY DATA	25 MIN 23 SEC 4		SEC TO IMPACT 25.385	EO (400	LAT LON	R V	PTH AZ
TRAJECTORY DATA			16 206	EO (400	LAT LON	R V	PTH AZ
TRAJECTORY DATA			16 206	EO (400	LAT LON	R V	PTH AZ
TRAJECTORY DATA	RANGE AZS/ 70.07838 -57. 67.79449 -58.		16 206	EO (400	LAT LON	R V	PTH AZ
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.793 -20.352 3 -10.703 -20.473 4 -10.693 -20.262	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62.		16 206	EO (400	LAT LON	R V	PTH AZ
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.793 -20.452 3 -10.703 -20.473 4 -10.693 -20.222 5 -10.891 -20.222	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1	59.4690 A* 1.40746 1.35938 1.41790 1.45935	LAT LCN 5 -10.242 -21.440 6/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 O.836 -87.2 67.9 O.811 -93.2 68.0	R V 1794-924 2-57 PHAZ EMIS ALPHA 38-6 32-5 28-1 41-0 29-2 26-1 36-4 33-4 30-1 36-4 35-9 29-2	PTH AZ 79 -64.711 114.904  A SCALE PT-PT 10 . 1-2 10 4.52878 2-3 9 6.28276 3-4 9 6.10857 4-5
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.793 -20.452 3 -10.703 -20.473 4 -10.693 -20.222 5 -10.891 -20.222	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1	59.4690 A* 1.40746 1.35938 1.41790 1.45935	LAT LCN 5 -10.242 -21.440 6/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 O.836 -87.2 67.9 O.811 -93.2 68.0	R V 1794-924 2-57 PHAZ EMIS ALPHA 38-6 32-5 28-1 41-0 29-2 26-1 36-4 33-4 30-1 36-4 35-9 29-2	PTH AZ 79 -64.711 114.904  A SCALE PT-PT 10 . 1-2 10 4.52878 2-3 9 6.28276 3-4 9 6.10857 4-5
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.793 -20.452 3 -10.703 -20.473 4 -10.693 -20.222 5 -10.891 -20.222	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8	59.4690 1.40746 1.35938 1.41790 1.45935 1.35938	LAT LCN 6 -10.242 -21.440  6/A AZPHAZ INCD C.843 -90.2 67.8 C.874 -87.4 67.7 C.836 -87.2 67.9 C.811 -93.2 68.0 C.874 -87.4 67.7	R V 1794.924 2.5 PHAZ EMIS ALPHI 38.6 32.5 28.1 41.0 29.2 26.1 36.4 33.4 30.9 36.4 35.9 29.5 41.0 29.2 26.6	PTH AZ 79 -64.711 114.904  SCALE PT-PT 1 0. 1-2 0 4.52876 3-4 0 6.10857 4-5 0 6.50309 5-6 0 5.82277 6-7
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.793 -20.352 3 -10.703 -20.473 4 -10.693 -20.262 5 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 79.2 3 8.9	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1	59.4690 1.40746 1.35938 1.41790 1.45935 1.35938	LAT LCN 5 -10.242 -21.440 6/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 O.836 -87.2 67.9 O.811 -93.2 68.0	R V 1794.924 2.5 PHAZ EMIS ALPHI 38.6 32.5 28.1 41.0 29.2 26.1 36.4 33.4 30.9 36.4 35.9 29.5 41.0 29.2 26.6	PTH AZ 79 -64.711 114.904  A SCALE PT-PT 10 . 1-2 10 4.52878 2-3 9 6.28276 3-4 9 6.10857 4-5
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.793 -20.452 3 -10.703 -20.473 4 -10.693 -20.222 5 -10.891 -20.222	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 79.2 3 8.9	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8	59.4690 1.40746 1.35938 1.41790 1.45935 1.35938	LAT LCN 6 -10.242 -21.440  6/A AZPHAZ INCD C.843 -90.2 67.8 C.874 -87.4 67.7 C.836 -87.2 67.9 C.811 -93.2 68.0 C.874 -87.4 67.7	R V 1794.924 2.5 PHAZ EMIS ALPHI 38.6 32.5 28.1 41.0 29.2 26.1 36.4 33.4 30.9 36.4 35.9 29.5 41.0 29.2 26.6	PTH AZ 79 -64.711 114.904  SCALE PT-PT 1 0. 1-2 0 4.52876 3-4 0 6.10857 4-5 0 6.50309 5-6 0 5.82277 6-7
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.793 -20.352 3 -10.703 -20.473 4 -10.693 -20.262 5 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 7 9.2 3 8.9	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.6 33.1 -83.6 33.7 -81.1 32.8  TAB NO	59.4690 A. 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938	LAT LCN 5 -10.242 -21.440  6/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 O.836 -87.2 67.9 O.811 -93.2 68.0 Q.849 -92.9 67.8 C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794.924 2.51 PHAZ EMIS ALPHI 138.6 32.5 28.1 41.0 29.2 26.0 36.4 33.4 30.0 36.4 33.5 9 29.2 41.0 32.0 25.2 41.0 29.2 26.0	PTH AZ 79 -64.711 114.904  A SCALE PT-PT 10 . 1-2 2 4.52878 2-3 9 6.10857 4-5 2 6.10857 4-5 2 6.50309 5-6 0 5.82277 6-7 0 SEQUENCE NO 950
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.452 3 -10.703 -20.473 4 -10.893 -20.262 5 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31,1964 13 HK  TRAJECTORY DATA	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 7 9.2 3 8.9	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -81.6 33.7 -81.1 32.8  TAB NO	59.4690 A. 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938	LAT LCN 5 -10.242 -21.440  B/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 C.836 -87.2 67.9 C.811 -93.2 68.0 Q.849 -92.9 67.8 C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794.924 2.51 PHAZ EMIS ALPHI 138.6 32.5 28.1 41.0 29.2 26.0 36.4 33.4 30.0 36.4 33.5 9 29.2 41.0 32.0 25.2 41.0 29.2 26.0	PTH AZ 79 -64.711 114.904  A SCALE PT-PT 10 . 1-2 2 4.52878 2-3 9 6.10857 4-5 2 6.10857 4-5 2 6.50309 5-6 0 5.82277 6-7 0 SEQUENCE NO 950
TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.793 -20.352 3 -10.703 -20.473 4 -10.693 -20.262 5 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK TRAJECTORY DATA	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -66. 69.67047 -51. 67.79449 -58.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546	59.4690 A* 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938 161	LAT LCN 5 -10.242 -21.440  6/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 C.836 -87.2 67.9 C.811 -93.2 68.0 G.849 -92.9 67.8 C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413	R 2 V 1794-924 2-5:  O PHAZ EMIS ALPHI 38-6 32-5 28-1 (41-0 29-2 26-0 36-4 33-4 30-0 36-4 35-9 29-2 (41-0 29-2 26-0 29-2 26-0 29-2 26-0 36-4 35-9 29-2 (41-0 29-2 26-0 20-0 20-0 20-0 20-0 20-0 20-0 20	PTH AZ  79 -64.711 114.904  A SCALE PT-PT  1 0. 1-2  0 4.52878 2-3  0 6.28276 3-4  0 6.10857 4-5  2 6.50309 5-6  0 5.82277 6-7  0 SEQUENCE NO 950  PTH AZ  80 -64.693 114.899
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.693 -20.222 6 -10.892 -20.473  JULY 31,1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.708 -20.359	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.77449 -58.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546	59.4690 A. 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938 161	LAT LCN 5 -10.242 -21.440  B/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 0.836 -87.2 67.9 0.811 -93.2 68.0 Q.849 -92.9 67.8 C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413	N V 1794.924 2.51  N PHAZ EMIS ALPHI 38.6 32.5 28.1  1 38.6 32.5 28.1  1 41.0 29.2 26.0  1 41.0 32.0 25.1  1 41.0 29.2 26.0  1 41.0 29.2 26.0	PTH AZ 79 -64.711 114.904 1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.693 -20.222 6 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.788 -20.359 3 -10.7788 -20.473	RANGE AZS/ 70.07838 -51. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.779449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.5996 -58.	C AZN O 9.6 3 8.9 1 10.0 O 10.4 7. 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8	59.4690 Ae 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938 161 ALT 57.5102 Ae 1.36126 1.31477	LAT LCN  5 -10.242 -21.440  6 -10.242 -21.440  C.843 -90.2 67.8  C.874 -87.4 67.7  O.836 -87.2 67.9  O.811 -93.2 68.0  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN  4 -10.255 -21.413  B/A AZPHAZ INCO  C.874 -97.2 67.7  B/A AZPHAZ INCO  C.8843 -90.2 67.8	R V 1794-924 2-51 1 PHAZ EMIS ALPHI 1 38-6 32-5 28-1 1 41-0 29-2 26-1 1 36-4 33-4 30-1 1 36-4 35-9 29-1 1 41-0 29-2 26-1 1 41-0 29-2 26-1 1 792-966 2-51 1 792-966 2-51 1 792-966 2-51 1 792-966 2-51 1 792-966 2-51 2 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	PTH AZ 79 -64.711 114.904  1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.691 -20.222 6 -10.892 -20.473  JULY 31,1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.700 -20.473 3 -10.700 -20.474 4 -10.691 -20.272	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8	59.4690 Ae 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938 161 ALT 57.5102 Ae 1.36126 1.31477	LAT LCN 5 -10.242 -21.440  B/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 O.836 -87.2 67.9 O.811 -93.2 68.0 Q.849 -92.9 67.8 C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413  B/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 C.836 -81.2 67.9	R V 1794.924 2.57  0 PHAZ EMIS ALPHI 38.6 32.5 28.1 41.0 29.2 26.0 36.4 35.9 29.1 41.0 29.2 26.0 25.1 41.0 29.2 26.0 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.3 26.4 33.4 30.4 30.4 30.4 30.4 30.4 30.4 30	PTH AZ 79 -64.711 114.904 A SCALE PT-PT 1 0. 1-2 0 4.52876 2-3 9 6.28276 3-4 9 6.10857 4-5 0 5.82277 6-7 0 SEQUENCE NO 950 PTH AZ 80 -64.693 114.899 A SCALE PT-PT 1 0. 1-2 0 4.37993 2-3 9 6.07616 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.693 -20.222 6 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.708 -20.359 3 -10.700 -20.476 4 -10.691 -70.272 5 -10.682 -70.233	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58.  Z5 MIN Z4 SEC Z  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -52. 70.39035 -56.	C AZNO 0 9.6 3 8.9 1 10.0 0 10.4 7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.6 32.3	59.4690 Ae 1.40746 1.35938 1.41790 1.45935 1.39963 1.35938 161 ALT 57.5102 Ae 1.36126 1.311477 1.37136 1.41143	LAT LCN  6 -10.242 -21.440  6 -843 -90.2 67.8  C.874 -87.4 67.7  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN  4 -10.255 -21.413  B/A AZPHAZ INCO C.874 -87.4 67.7	R V 1794-924 2-51 1 PHAZ EMIS ALPHI 1 38-6 32-5 28-1 2 41-0 29-2 26-1 3 36-4 33-4 30-1 3 41-0 32-0 25-1 4 1-0 32-0 25-1 1 POD R V 1792-966 2-51 1 3 36-6 32-5 28-1 4 1-0 9-2 26-1 3 36-4 33-4 30-1 3 36-4 33-5 9 29-1	PTH AZ 79 -64.711 114.904 1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.691 -20.222 6 -10.892 -20.473  JULY 31,1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.700 -20.473 3 -10.700 -20.474 4 -10.691 -20.272	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62.	C AZNO 0 9.6 3 8.9 1 10.0 0 10.4 7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8 -83.6 32.3 -83.4 33.1 -83.6 33.7	59.4690 Ae 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938 161 ALT 57.5102 Ae 1.36126 1.31477	LAT LCN 5 -10.242 -21.440  6/A AZPHAZ INCO (843 -90.2 67.8 (874 -87.4 67.7 (814 -93.2 68.0 (814 -92.9 67.8 (817 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413  B/A AZPHAZ INCO (843 -90.2 67.8 (874 -87.4 67.7 (818 -87.2 67.9 (812 -93.2 68.0 (812 -93.2 68.0	R V 1794.924 2.57  0 PHAZ EMIS ALPHI 38.6 32.5 28.1 41.0 29.2 26.0 36.4 35.9 29.1 41.0 29.2 26.0 25.1 41.0 29.2 26.0 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.2 26.0 29.3 26.4 33.4 30.4 30.4 30.4 30.4 30.4 30.4 30	PTH AZ 79 -64.711 114.904  SCALE PT-PT 1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.691 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31,1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.788 -20.359 3 -10.700 -20.473 5 -10.691 -20.272 5 -10.692 -27.273 6 -10.884 -20.445	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -88. 68.40953 -62. 70.39035 -56. 67.38381 -51.	C AZNO 0 9.6 3 8.9 1 10.0 0 10.4 7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8 -83.4 33.1 -83.6 33.7 -81.1 32.8	59.4690 Ae 1.40746 1.35938 1.41790 1.45935 1.35938 161 ALT 57.5102 Ae 1.31477 1.37136 1.41143 1.35979 1.31477	LAT LCN  5 -10.242 -21.440  6.43 AZPHAZ INCO  6.843 -90.2 67.8  6.874 -87.4 67.7  6.814 -93.2 68.0  6.814 -93.2 68.0  6.814 -87.4 67.7  ATLAS PHOTO NO  LAT LCN  4 -10.255 -21.413  B/A AZPHAZ INCO  6.843 -90.2 67.8  6.874 -87.4 67.7  0.812 -93.2 68.0  0.856 -87.2 67.7  0.856 -87.2 67.7  0.856 -92.9 67.8  0.857 -92.9 67.8	R V 1794.924 2.51  10 PHAZ EMIS ALPHI 38.6 32.5 28.1  11 38.6 32.5 28.1  12 41.0 29.2 26.0  13 6.4 35.9 29.0  14 1.0 29.2 26.0  16 POD  R V 1792.966 2.50  17 41.0 29.2 26.0  18 38.6 32.5 28.1  18 38.6 32.5 28.1  18 38.6 32.5 28.1  20 36.4 35.9 29.0  36.4 35.9 29.0  36.4 33.4 30.0  36.4 35.9 29.0  36.4 33.4 30.0  36.4 35.9 29.0  36.4 33.0 20.0  36.4 31.0 29.2 26.0	PTH AZ  79 -64.711 114.904  A SCALE PT-PT  1 0. 1-2  1 4.52878 2-3  9 6.10857 4-5  9 6.10857 4-5  9 6.50309 5-6  0 5.82277 6-7  0 SEQUENCE NO 950  PTH AZ  80 -64.693 114.899  A SCALE PT-PT  1 0. 1-2  0 4.37993 2-3  9 6.07616 3-4  9 5.90772 4-5  6 6.28909 5-6  0 5.63149 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.352 3 -10.703 -20.473 4 -10.693 -20.222 6 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.788 -20.359 3 -10.700 -20.476 4 -10.691 -70.272 5 -10.882 -20.233 6 -10.884 -20.445 7 -10.700 -20.476	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -86. 68.40953 -62. 70.39035 -56. 67.38381 -51. 65.56996 -56.	C AZNO 9.6 3 8.9 1 10.0 00 10.4 7.7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.6 32.3 -83.6 33.7 -81.1 32.8  TAB NO	59.4690 Ae 1.40746 1.35938 1.41790 1.45935 1.39963 1.35938 161 ALT 57.51C2 Ae 1.36126 1.311477 1.37136 1.41143 1.35079 1.31477	LAT LCN  5 -10.242 -21.440  6 -87.2 67.8  C.843 -90.2 67.8  C.874 -87.4 67.7  O.836 -87.2 67.9  C.811 -93.2 68.0  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN  4 -10.255 -21.413  B/A AZPHAZ INCO  C.874 -87.4 67.7  C.874 -87.4 67.7  C.836 -87.2 67.8  C.874 -87.4 67.7  C.836 -87.2 67.8  C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794-924 2-51 1 PHAZ EMIS ALPHI 1 38-6 32-5 28-1 1 41-0 29-2 26-1 1 36-4 33-4 30-1 1 36-4 35-9 29-1 1 41-0 29-2 26-1 1 41-0 29-2 26-1 1 41-0 29-2 26-1 1 41-0 29-2 26-1 1 41-0 32-5 28-1 1 41-0 32-5 28-1 1 41-0 32-5 28-1 1 41-0 29-2 26-1 1 41-0 29-2 26-1 1 41-0 29-2 26-1	PTH AZ  79 -64.711 114.904  A SCALE PT-PT  1 0. 1-2  1 4.52878 2-3  9 6.10857 4-5  9 5.10857 4-5  0 5.82277 6-7  0 SEQUENCE NO 950  PTH AZ  80 -64.693 114.899  A SCALE PT-PT  1 0. 1-2  0 4.37993 2-3  9 6.07616 3-4  9 5.90772 4-5  6 6.28909 5-6  0 5.63149 6-7  0 SEQUENCE NO 951
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.691 -20.222 6 -10.892 -20.473  JULY 31,1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.703 -20.473 3 -10.704 -20.476 7 -10.704 -20.476 7 -10.705 -20.476 10 NB -20.476 7 -10.882 -20.476 7 -10.882 -20.476 7 -10.700 -20.476  JULY 31,1964 13 HR	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -86. 68.40953 -62. 70.39035 -56. 67.38381 -51. 65.56996 -56.	C AZNO 9.6 3 8.9 1 10.0 00 10.4 7.7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.6 32.3 -83.6 33.7 -81.1 32.8 TAB NO	59.4690.  Ae 1.40746 1.35938 1.41790 1.45935 1.39963 1.35938 161  ALT 57.51C2. Ae 1.36126 1.311477 1.37136 1.41143 1.35079 1.31477	LAT LCN  5-10.242 -21.440  6-10.242 -21.440  C.843 -90.2 67.8  C.874 -87.4 67.7  O.836 -87.2 67.9  O.811 -93.2 68.0  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN  4-10.255 -21.413  B/A AZPHAZ INCO  C.874 -87.4 67.7  C.874 -87.4 67.7  C.836 -87.2 67.9  O.812 -93.2 68.0  O.850 -92.9 67.8  C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794-924 2-51 1 PHAZ EMIS ALPHI 1 38-6 32-5 28-1 1 41-0 29-2 26-1 1 36-4 33-4 30-1 1 41-0 32-0 25-1 1 41-0 32-5 28-1 1 41-0 32-5 28-1	PTH AZ  SCALE PT-PT  CO. 1 - 2 - 3 - 4 - 52876 2 - 3 - 4 - 52876 3 - 4 - 5 - 6 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.352 3 -10.703 -20.473 4 -10.693 -20.222 6 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.788 -20.359 3 -10.700 -20.476 4 -10.691 -70.272 5 -10.882 -20.233 6 -10.884 -20.445 7 -10.700 -20.476	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -86. 68.40953 -62. 70.39035 -56. 67.38381 -51. 65.56996 -56.	C AZNO 9.6 3 8.9 1 10.0 00 10.4 7.7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.6 32.3 -83.6 33.7 -81.1 32.8 TAB NO	59.4690.  Ae 1.40746 1.35938 1.41790 1.45935 1.39963 1.35938 161  ALT 57.51C2. Ae 1.36126 1.311477 1.37136 1.41143 1.35079 1.31477	LAT LCN  5-10.242 -21.440  6-10.242 -21.440  C.843 -90.2 67.8  C.874 -87.4 67.7  O.836 -87.2 67.9  O.811 -93.2 68.0  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN  4-10.255 -21.413  B/A AZPHAZ INCO  C.874 -87.4 67.7  C.874 -87.4 67.7  C.836 -87.2 67.9  O.812 -93.2 68.0  O.850 -92.9 67.8  C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794-924 2-51 1 PHAZ EMIS ALPHI 1 38-6 32-5 28-1 1 41-0 29-2 26-1 1 36-4 33-4 30-1 1 41-0 32-0 25-1 1 41-0 32-5 28-1 1 41-0 32-5 28-1	PTH AZ  SCALE PT-PT  CO. 1 - 2 - 3 - 4 - 52876 2 - 3 - 4 - 52876 3 - 4 - 5 - 6 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.693 -20.202 6 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.703 -20.476 4 -10.691 -20.379 5 -10.482 -20.233 6 -10.884 -20.445 7 -10.700 -20.476  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -66. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62. 70.39035 -56. 67.38381 -51. 65.56996 -58.	C AZNO 9.6 3 8.9 1 10.0 00 10.4 7.7 9.2 3 8.9 54 MS	25.385  AZSUN AZA -81.1 32.8 -80.8 32.3 -83.4 33.1 -81.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8 TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8 TAB NO	59.4690 Ae 1.40746 1.35938 1.41790 1.45935 1.35938 161 ALT 57.5102 Ae 1.36126 1.31477 1.31477 1.31477	LAT LCN  5 -10.242 -21.440  6 -87.2 67.8  C.843 -90.2 67.8  C.874 -87.4 67.7  O.836 -87.2 67.9  C.811 -93.2 68.0  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN  4 -10.255 -21.413  B/A AZPHAZ INCO  C.874 -87.4 67.7  C.874 -87.4 67.7  C.836 -87.2 67.8  C.874 -87.4 67.7  C.836 -87.2 67.8  C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794-924 2-51 1 PHAZ EMIS ALPHI 1 38-6 32-5 28-1 1 41-0 29-2 26-1 1 36-4 33-4 30-1 1 41-0 32-0 25-1 1 41-0 32-5 28-1 1 41-0 32-5 28-1	PTH AZ  SCALE PT-PT  CO. 1 - 2 - 3 - 4 - 52876 2 - 3 - 4 - 52876 3 - 4 - 5 - 6 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.691 -20.222 6 -10.892 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.703 -20.473  JULY 31,1964 13 HK  TRAJECTORY DATA  PT LAT LON 2 -10.704 -20.476  JULY 31,1964 13 HK  TRAJECTORY DATA  PT LAT LON 2 -10.704 -20.476  JULY 31,1964 13 HK  TRAJECTORY DATA PT LAT LON 2 -10.476  JULY 31,1964 13 HK  TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62. 70.39035 -56. 67.38811 -51. 65.56996 -58.	C AZN 0 9.6 3 8.9 9 1 10.0 0 9.6 4 MS C AZN 0 10.4 MS C AZN 0 9.6 8.9 9 9.4 MS C AZN 0 0 10.3 7 8.9	25.385  AZSUN AZA	59.4690  Ae 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938  161  ALT 57.51C2  Ae 1.36126 1.31477 1.37136 1.41143 1.35079 1.31477	LAT LCN 5 -10.242 -21.440  B/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 C.836 -87.2 67.9 C.811 -93.2 68.0 C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413  B/A AZPHAZ INCO C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN C.836 -87.2 67.9 C.8174 -87.4 67.7  ATLAS PHOTO NO  LAT LCN C.836 -87.2 67.9 C.8174 -87.4 67.7  ATLAS PHOTO NO	R V 1794.924 2.51    PHAZ EMIS ALPHI   38.6 32.5 28.1   41.0 29.2 26.0   36.4 33.4 30.1   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.2   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   41.0 29.2 20.0   41.0 29.2 20.0   41.0 29.2 20.0   41.0 29.2 20.0   41.0 29.2 20.0   41.0 29.2   41.0 29.2   41.0 29.2   41.0 29.2   41.0	PTH AZ  SCALE PT-PT  A SCALE PT-PT  AZ  BO -64-693 114-899  A SCALE PT-PT  AZ  BO -64-675 114-894  A SCALE PT-PT  AZ  BO -64-675 114-894
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.693 -20.262 5 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.359 3 -10.700 -20.476 4 -10.691 -70.272 5 -10.482 -20.233 6 -10.884 -20.445 7 -10.700 -20.476  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58.  25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62. 70.39035 -56. 67.38381 -51. 65.56996 -58.  25 MIN 25 SEC	C AZN 0 9.6 3 8.9 9 1 10.0 0 9.6 4 MS C AZN 0 10.4 MS C AZN 0 9.6 8.9 9 9.4 MS C AZN 0 0 10.3 7 8.9	25. 385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -83.6 32.3 -83.6 33.7 -81.1 32.8 -ROBERT SEC TO IMPACT 23.706  AZSUN AZA -82.2 33.0 -83.4 33.1 -83.6 33.7 -81.1 32.8 TAB NO	59.4690.  Ae 1.40746 1.35938 1.41790 1.45935 1.39963 1.35938 161  AL T 57.51C2.  Ae 1.36126 1.311477 1.37136 1.41143 1.35079 1.31477 162	LAT LCN  5 -10.242 -21.440  6 -10.242 -21.440  C.843 -90.2 67.8  C.874 -87.4 67.7  O.836 -87.2 67.9  O.811 -93.2 68.0  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413  B/A AZPHAZ INCO C.874 -87.4 67.7  C.874 -87.4 67.7  C.836 -87.2 67.7  ATLAS PHOTO NO  LAT LCN C.874 -87.4 67.7  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794.924 2.51    PHAZ EMIS ALPHI   38.6 32.5 28.1   41.0 29.2 26.0   36.4 33.4 30.1   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.2   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   36.4 35.9 29.1   41.0 29.2 26.0   41.0 29.2 20.0   41.0 29.2 20.0   41.0 29.2 20.0   41.0 29.2 20.0   41.0 29.2 20.0   41.0 29.2   41.0 29.2   41.0 29.2   41.0 29.2   41.0	PTH AZ  SCALE PT-PT  A SCALE PT-PT  AZ  BO -64-693 114-899  A SCALE PT-PT  AZ  BO -64-675 114-894  A SCALE PT-PT  AZ  BO -64-675 114-894
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.703 -20.473 4 -10.691 -20.222 6 -10.891 -20.222 6 -10.892 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.700 -20.476 4 -10.691 -20.272 5 -10.882 -20.436 7 -10.700 -20.476  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.788 -20.367 3 -10.691 -20.272 5 -10.882 -20.233 6 -10.884 -20.435 7 -10.700 -20.476  JULY 31.1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.789 -20.367 3 -10.698 -20.369	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62. 70.39035 -66. 67.38381 -51. 65.56996 -56.  RANGE AZS/ 65.47683 -57. 63.34390 -57.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 47 - 9.2 3 8.9 54 MS C AZN 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 10.3 3 8.9 1 10.0 0 1	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 23.706  AZSUN AZA -82.2 33.0 -83.4 33.1 -83.6 33.7 -81.1 32.8	59.4690  Ae 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938  161  ALT 57.5102  Ae 1.36126 1.31477 1.37136 1.41143 1.35079 1.31477	LAT LCN 5 -10.242 -21.440  6 -10.242 -21.440  C.843 -90.2 67.8  C.874 -87.4 67.7  O.816 -87.2 67.9  O.811 -93.2 68.0  Q.849 -92.9 67.8  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413  B/A AZPHAZ INCO C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LON 7 -10.267 -21.386  B/A AZPHAZ INCO C.843 -90.2 67.8  C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794.924 2.51  9 PHAZ EMIS ALPHI 38.6 32.5 28.7  41.0 29.2 26.0 36.4 35.9 29.0 41.0 32.0 25.7  41.0 29.2 26.0  161 POD  R V 1792.966 2.51  9 PHAZ EMIS ALPHI 3 38.6 32.5 28.7  41.0 29.2 26.0  36.4 35.4 30.4  36.4 35.9  1791.006 2.5	PTH AZ  SCALE PT-PT  A 52277 6-7  SEQUENCE NO 950  PTH AZ  BO -64-693 114-899  A 5CALE PT-PT  C 4-37993 2-3  C 6-36149 6-7  D SEQUENCE NO 951  PTH AZ  SCALE PT-PT  AZ  SCALE PT-PT  O 5-64-675 114-894  A SCALE PT-PT  O 5-64-75 114-894  A SCALE PT-PT  O 5-64-75 114-894  A SCALE PT-PT  O 6-64-75 114-894  A SCALE PT-PT  O 7-64-75 114-894  A SCALE PT-PT  O 9-64-75 114-894  A SCALE PT-PT  O 9-64-711 114-904
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.693 -20.262 5 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.784 -20.359 3 -10.700 -20.476 4 -10.691 -70.272 5 -10.482 -20.233 6 -10.884 -20.445 7 -10.700 -20.476  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58.  25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62. 70.39035 -56. 67.38381 -51. 65.56996 -58.  25 MIN 25 SEC	C AZN 0 9.6 3 8.9 1 10.0 0 0 10.4 MS  C AZN 6 3 8.9 1 10.3 3 8.9 1 10.3 3 8.9 1 10.3 3 8.9 1 10.3 3 8.9 1 10.3 1 10.0 1 10.3 1 10.0 1 1 10.0 1 1 10.0 1 1 1 10.0 1 1 1 1	25.385  AZSUN AZA -82.2 33.0 -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -82.2 33.0 -81.1 32.8  TAB NO  SEC TO IMPACT 23.706  AZSUN AZA -82.2 33.0 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 23.706  AZSUN AZA -82.2 33.0 -81.1 32.8  TAB NO	59.4690  Ae 1.40746 1.35938 1.41790 1.45935 1.39663 1.35938  161  ALT 57.51C2  Ae 1.36126 1.31477 1.37136 1.41143 1.35079 1.31477 162  ALT 55.5565	LAT LCN  5 -10.242 -21.440  6 -10.242 -21.440  6 -10.242 -21.440  6 -10.242 -21.440  6 -10.242 -21.440  6 -10.242 -21.440  6 -10.255 -21.413  B/A AZPHAZ INCO  6 -10.256 -10.267.9  6 -10.267 -21.386  B/A AZPHAZ INCO  6 -10.256 -10.267.9  6 -10.267 -21.386  B/A AZPHAZ INCO  6 -10.267 -21.386	R V 1794-924 2-55 28-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 32-5 28-1 41-0 29-2 26-1 38-6 33-4 33-4 33-4 33-4 33-4 33-4 33-4 33	PTH AZ  79 -64.711 114.904  1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.453 3 -10.703 -20.473 4 -10.691 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31,1964 13 HK  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.700 -20.476 7 -10.700 -20.476 7 -10.700 -20.476 7 -10.700 -20.476 7 -10.700 -20.476  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.784 -20.456 7 -10.700 -20.476  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.783 -20.476  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHO	RANGE AZS/ 70.07838 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58.  25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62. 70.39035 -56. 67.38381 -51. 65.56996 -58. 25 MIN 25 SEC  RANGE AZS/ 65.47683 -57. 63.34390 -58. 66.08623 -62. 67.99903 -56. 65.09965 -51.	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 47. 9.2 3 8.9 1 1 10.0 0 10.3 7 9.1 3 8.9 94 MS	25. 385  AZSUN AZA -81.1 32.8 -80.8 32.3 -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 24.546  AZSUN AZA -81.1 32.8  TAB NO  SEC TO IMPACT 23.706  AZSUN AZA -83.4 33.1 -83.6 33.7 -81.1 32.8  TAB NO  SEC TO IMPACT 23.706  AZSUN AZA -81.1 32.8  TAB NO	59.4690  Ae 1.40746 1.35938 1.41790 1.45935 1.35938 161  ALT 57.51C2  Ae 1.36126 1.31477 137136 1.41143 1.35079 1.31477 162  ALT 55.5505  Ae 1.315C4 1.27014 1.36348 1.30493	LAT LCN 5 -10.242 -21.440  B/A AZPHAZ INCO C.843 -90.2 67.8 C.874 -87.4 67.7 O.836 -87.2 67.9 O.811 -93.2 68.0 C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413  B/A AZPHAZ INCO C.836 -87.2 67.9 C.836 -87.2 67.9 C.8374 -87.4 67.7  ATLAS PHOTO NO  LAT LCN C.836 -87.2 67.9 C.8374 -87.4 67.7  ATLAS PHOTO NO  LAT LON C.836 -87.2 67.9 C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LON C.836 -87.2 67.9 C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LON C.836 -87.2 67.9 C.8374 -87.4 67.7  ATLAS PHOTO NO	R V 1794.924 2.55  0 PHAZ EMIS ALPHI 1 38.6 32.5 28.1 41.0 29.2 26.0 36.4 33.4 30.4 1 36.4 35.9 29.2 41.0 29.2 26.0 161 POD  R V 1792.966 2.50 0 PHAZ EMIS ALPHI 3 38.6 32.5 28.7 41.0 29.2 26.0 162 POD  R V 1791.006 2.5 0 PHAZ EMIS ALPHI 3 38.6 32.5 28.7 41.0 29.2 26.0 0 36.4 35.9 29.3 0 36.4 35.9 29.3 0 36.4 33.4 30.0	PTH AZ  SCALE PT-PT  1 0. 1-2  1 4.52878 2-3  2 6.28276 3-4  2 6.10857 4-5  2 6.50309 5-6  SEQUENCE NO 950  PTH AZ  80 -64.693 114.899  1 0. 12  1 0. 12  1 0. 3799 1-2  1 0. 4.3799 2-3  2 6.07616 3-4  5 .90772 4-5  6 .50809 5-6  D 5.63149 6-7  D SEQUENCE NO 951  PTH AZ  81 -64.675 114.894  A SCALE PT-PT  1 0. 1-2  4.23097 2-3  8 5.86946 3-4  9 5.70686 4-5  5 .70686 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.793 -20.473 4 -10.693 -20.262 5 -10.891 -20.222 6 -10.892 -20.440 7 -10.703 -20.473  JULY 31.1964 13 HK  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.783 -20.476 4 -10.691 -20.233 6 -10.884 -20.436 7 -10.700 -20.476  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.482 -20.233 6 -10.884 -20.445 7 -10.700 -20.476  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.783 -20.367 3 -10.698 -20.486 4 -10.699 -20.488 4 -10.699 -20.488 5 -10.699 -20.488	RANGE AZS/ 70.07438 -57. 67.79449 -58. 70.73129 -62. 72.78014 -56. 69.67047 -51. 67.79449 -58. 25 MIN 24 SEC 2  RANGE AZS/ 67.77836 -57. 65.56996 -58. 68.40953 -62. 70.39035 -66. 67.3881 -51. 65.56996 -56. 25 MIN 25 SEC	C AZN 0 9.6 3 8.9 1 10.0 0 10.4 47. 9.2 3 8.9 1 1 10.0 0 10.3 7 9.1 3 8.9 94 MS	25.385  AZSUN AZA  AZZIN AZBUN AZA  AZZIN AZBUN AZA  AZSUN AZA  AZZIN AZBUN AZA  AZZIN AZBUN AZA  AZZIN AZBUN AZA  AZZIN AZBUN AZ	59.4690  Ae 1.40746 1.35938 1.41790 1.45935 1.35938 161  ALT 57.51C2  Ae 1.36126 1.31477 137136 1.41143 1.35079 1.31477 162  ALT 55.5505  Ae 1.315C4 1.27014 1.36348 1.30493	LAT LCN 5 -10.242 -21.440  6 -10.242 -21.440  C.843 -90.2 67.8  C.874 -87.4 67.7  O.836 -87.2 67.9  O.811 -93.2 68.0  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 4 -10.255 -21.413  B/A AZPHAZ INCO C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LCN 6 -10.255 -21.413  B/A AZPHAZ INCO C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LON 7 -10.267 -21.386  B/A AZPHAZ INCO C.843 -90.2 67.8  C.874 -87.4 67.7  ATLAS PHOTO NO  LAT LON 7 -10.267 -21.386  B/A AZPHAZ INCO C.843 -90.2 67.8  C.874 -87.4 67.7  ATLAS PHOTO NO	R V 1794.924 2.55  0 PHAZ EMIS ALPHI 1 38.6 32.5 28.1 41.0 29.2 26.0 36.4 33.4 30.4 1 36.4 35.9 29.2 41.0 29.2 26.0 161 POD  R V 1792.966 2.50 0 PHAZ EMIS ALPHI 3 38.6 32.5 28.7 41.0 29.2 26.0 162 POD  R V 1791.006 2.5 0 PHAZ EMIS ALPHI 3 38.6 32.5 28.7 41.0 29.2 26.0 0 36.4 35.9 29.3 0 36.4 35.9 29.3 0 36.4 33.4 30.0	PTH AZ  SCALE PT-PT  1 0. 1-2  1 4.52878 2-3  2 6.28276 3-4  2 6.10857 4-5  2 6.50309 5-6  SEQUENCE NO 950  PTH AZ  80 -64.693 114.899  1 0. 12  1 0. 12  1 0. 3799 1-2  1 0. 4.3799 2-3  2 6.07616 3-4  5 .90772 4-5  6 .50809 5-6  D 5.63149 6-7  D SEQUENCE NO 951  PTH AZ  81 -64.675 114.894  A SCALE PT-PT  1 0. 1-2  4.23097 2-3  8 5.86946 3-4  9 5.70686 4-5  5 .70686 4-5

				RA-VII	CAMERA	P3					28
JULY 31,1964 13 HR	25 MIN 25 S	SEC 034	мc		TAB NO	163	ATLAS	PHOTO NO	163	POD SEQUENCE N	0 952
TRAJECTORY DATA	25 FIN 25 3	5EC 754		SEC TO	IMPACT	AL T	LAT	LCN	R	V PTH	AZ
PHOTC DATA PT LAT LCN 2 -10.778 -20.374 3 -10.696 -20.484 4 -10.687 -20.293 5 -10.865 -20.257				22.	866	53.5907					14.889
PT LAT LCN	RANGE	AZS/C	AZN	AZSUN	AZA	A *	H/A A	ZPHAZ INC	D PHAZ EMIS	ALPHA SCALE	
3 -10-696 -20-484	63.17449	-57.0	9.6	-82.2	33.0 32.8	1.26880	0.843	-90.2 67.	8 38.6 32.5	28.1 0. 26.0 4.08194 30.8 5.66271	1- 2
4 -10.687 -20.293	63.76217	-62.1	10.0	-80.8	32.3	1.27819	0.836	-87.2 67.	9 36.4 33.4	30.8 5.66271	3-4
5 -10.865 -20.257	65.60696			-63.4	33.1	1.31552	0.812	-93.2 67.	9 36.4 35.8	29.9 5.50581	. 4-5
6 -10.867 -20.454 7 -10.696 -20.484	62.80669	-51.7	9.1 8.9	-81.1		1.225904	C.85C.	-92.967.	7 41.0 32.0 7 41.0 29.2	25.2 5.86087 26.0 5.24863	
	01111104	70.2	.,		TAB NO			PHOTO NO		POD SEQUENCE N	
JULY 31,1964 13 HR										•	
TRAJECTORY DATA				SEC IO	IMPACT 026	ALI	LAT	LCN	1787 085	V PTH 2.584 ~64.640 1	14 984
PHOTO DATA PT LAT LON 2 -10.772 -20.382 3 -10.694 -20.487 4 -10.685 -20.304 5 -10.857 -20.269					.020	31.02.30	10.27	2 21.551	1101.003	2.764 -64.640 1	14.004
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A *	B/A A	ZPHAZ INC	D PHAZ EMIS	ALPHA SCALE	PT-PT
3 -10.694 -20.382	50.87047	-57.0	9.6	-82.2	33.0	1.22252	0.843	-90.2 67.	8 38.6 32.5	28.1 0. 26.0 3.93290	1- 2
4 -10.685 -20.304	61.43641	-62.1	10.0	-80.8	32.3	1.23157	C-837	-87-2 67-	9 36.4 33.4	30 <sub>8</sub> 5 <sub>4</sub> 5584	3- 4
5 -10.857 -20.269	63.21323	-56.0	10.3	-83.4	33.1	1.26752	0.812	-93.2 67.	9 36.4 35.8	29.9 5.30476	
6 -10.858 -20.459	60.51606	~51./	9.1	-83.6 -81.1	33.6	1.21312	C.85C	-92.9 67.	7 41.0 32.0 7 41.0 29.2	25.2 5.64661	5- 6
7 -10.694 -20.487	58.88850	-58.2	8.9	-81.1	32.8	1.18080	C.874	-87.4 67.	7 41.0 29.2	26.0 5.05715	6- 7
					TAB NO	165	ATLAS	PHOTO NO	165	POD SEQUENCE N	IO 954
JULY 31,1964 13 HR	.25 MIN 27 S	SEC 614.									
TRAJECTORY DATA				\$EC TO 21.	IMPACT	ALT 49.6686	TAJ 06.01- S	LON 5 -21,303	R 1785-124	V PTH 2.585 -64.622 I	AZ 14.879
PHOTO DATA PT LAT LON											
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	A.	B/A A	ZPHAZ INC	D PHAZ EMIS	ALPHA SCALE	PT-PT
2 -10.767 -20.390 3 -10.691 -20.491	56.65891	-58.2	8.9	-81.1	32.8	1.13609	0.874	-90.26(. -67.4 .67.	4. 30.0 .32.5. 7 41.0 29.2	26.0 1.79373	1-2
4 ~10.683 -20.315	59.10958	-62.1	10.0	-80.8	32.3	1.18493	0.637	-87.2 67.	9 36.4 33.4	26.0 3.78372 30.8 5.24892 29.9 5.10371	3-4
5 -10.848 -20.281	60.81846	-56.0	10.3	-83.4	33.1	1.21950	0.812	-93.2 67.	9 36.4 35.8	29.9 5.10371	4-5
6 -10.850 -20.464 7 -10.691 -20.491	58.22435	-51.7	9.1	-83.6 -81.1	33.6	1.16718		-92.9 67.	7 41.0 32.0	25.2 5.43231	5-6
7 -10.691 -20.491	56.65891	-58.2	8.9	-81.1	32.8	1.13609	0.874	-87.4 67.	7 41.0 29.2	26.0 4.86557	6-7
JULY 31,1964 13 HR		SEC 454	MS		TAB NO	166	ATLAS	PHOTO NO	166	POD SEQUENCE N	0 955
JULY 31,1964 13 HR TRAJECTORY DATA		SEC 454								•	
TRAJECTORY DATA	25 MIN 28 S			SEC TO	IMPACT	ALT				POD SEQUENCE N	
TRAJECTORY DATA	25 MIN 28 S			SEC TO	IMPACT	ALT	LAT 3 -10.31	LON 7 -21.276	R 1783.162	V PTH ! 2.586 -64-604 1	AZ 14.874
TRAJECTORY DATA	25 MIN 28 S			SEC TO	IMPACT	ALT	LAT 3 -10.31	LON 7 -21.276 ZPHAZ INC	R 1783.162	V PTH 2.586 ~64-604 1	AZ 114.874
TRAJECTORY DATA	25 MIN 28 S			SEC TO	IMPACT	ALT	LAT 3 -10.31 B/A A C.843 0.674	T -21.276 ZPHAZ INC -90.2 6787.4 67.	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2	V PTH 2.586 ~64-604 1	AZ 114.874
TRAJECTORY DATA	25 MIN 28 S RANGE 56.25885 54.42792	AZS/C -57.0 -58.2	AZN 9.6 8.9	SEC TO 20.  AZ SUN -82.2 -81.1	AZA 33.0 32.8	ALT	LAT 3 -10.31 B/A A C.843 0.674 0.837	LON 7 -21.276 ZPHAZ INC -90.2 67. -87.4 67. -87.2 67.	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3	V PTH 2.586 -64-604 1 ALPHA SCALE 28-1 0. 26-0 3.63447 30-8 5.04186	AZ 114.874 PT-PT 1-2 7 2-3 3-4
PHOTO DATA PHOTO DATA PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293	25 MIN 28 S RANGE 56.25885 54.42792 56.78138 58.42229	AZS/C -57.0 -58.2 -62.1 -56.0	AZN 9.6 8.9 10.0 10.3	SEC TG 20. AZ SUN -82.2 -81.1 -80.8 -83.4	1MPACT .346 AZA 33.0 32.8 32.3 33.1	ALT 47.7066 A* 1.12991 1.09136 1.13825 1.17145	B/A A C.843 0.674 0.837 0.812	LON 7 -21.276 ZPHAZ INC -90.2 67. -87.4 67. -87.2 67. -93.2 67.	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8	V PTH 2.586 -64.604 1  ALPHA SCALE 28.1 0. 26.0 3.63447 30.8 5.04186 29.9 4.90236	AZ 114.874 PT-PT 1-2 72-3 3-4 54-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468	25 MIN 28 S RANGE 56-25885 54-42792 56-78138 58-42229 55-93125	AZS/C -57.0 -58.2 -62.1 -56.0	AZN 9.6 8.9 10.0 10.3 9.1	SEC TO 20.  AZ SUN -82.2 -81.1	AZA 33.0 32.8 32.3 33.1 33.6	ALT	B/A A C.843 O.674 O.837 O.812 O.85C	LON 7 -21.276 ZPHAZ INC -90.2 67. -87.4 67. -87.2 67. -93.2 67.	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8	V PTH 2.586 -64.604 1  ALPHA SCALE 28.1 0. 26.0 3.63447 30.8 5.04186 29.9 4.90236	PT-PT 1-2 7 2-3 6 3-4 6 4-5 9 5-6
PHOTO DATA PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.2036 6 -10.841 -20.468	25 MIN 28 S RANGE 56-25885 54-42792 56-78138 58-42229 55-93125	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8	AZN 9.6 8.9 10.0 10.3 9.1	SEC TG 20. AZ SUN -82.2 -81.1 -80.8 -83.4 -93.6 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8	ALT 47.7066. A. 1.12991 1.09136 1.13825 1.17145 1.12121 1.09136	B/A A C.843 O.674 O.837 O.812 O.85C C.874	ZPHAZ INC -90.2 67. -87.4 67. -87.2 67. -93.2 67. -92.9 67. -87.4 67.	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8 7 41.0 31.9 7 41.0 29.2	V PTH 2.586 -64-604 1 28-1 0. 26-0 3.63447 30-8 5.0418 29-9 4.9023 25-2 5.2178 26-0 4.67368	PT-PT 1-2 7 2-3 6 3-4 6 4-5 9 5-6 8 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468	RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2	AZN 9.6 8.9 10.0 10.3 9.1 8.9	SEC TG 20. AZ SUN -82.2 -81.1 -80.8 -83.4 -63.6 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO	ALT 47-7066. 1.12991 1.09136 1.13825 1.17145 1.12121 1.09136	B/A A 0.843 0.674 0.837 0.812 0.85C 0.874	ZPHAZ INC -90.2 67. -87.4 67. -87.2 67. -93.2 67. -93.2 67. -93.7 67. -87.4 67.	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8 7 41.0 31.9 7 41.0 29.2	V PTH 2 2.586 -64.604 1 ALPHA SCALE 28.1 0. 26.0 3.63447 30.8 5.04186 29.9 4.90236 23.2 5.21782 26.0 4.67368	PT-PT 1-2 7 2-3 6 3-4 6 4-5 9 5-6 8 6-7
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494	RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2	AZN 9.6 8.9 10.0 10.3 9.1 8.9	SEC TC 20.  AZ SUN -82.2 -81.1 -80.8 -83.4 -63.4 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO	ALT 47-7066: 1-12991 1-09136 1-13825 1-17145 1-12121 1-09136	B/A A C.843 O.674 O.837 O.812 O.85C C.874	ZPHAZ INC -90.2 67. -87.4 67. -87.2 67. -93.2 67. -93.2 67. -92.9 67. 3 PHOTO NO	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 7 41.0 31.9 7 41.0 29.2	V PTH 2.586 -64.604 1 2.586 -64.604 1 2.581 0. 2.6.0 3.63447 30.8 5.04186 29.9 4.90236 25.2 5.21785 26.0 4.67368 POD SEQUENCE N	PT-PT 1-2 7 2-3 6 3-4 9 4-5 9 5-6 9 6-7 40 956
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA	25 MIN 28 S RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792 25 MIN 29 S	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 SEC 294	AZN 9.6 8.9 10.0 10.3 9.1 8.9	SEC TC 20.  AZ SUN -82.2 -81.1 -80.8 -83.4 -63.4 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO	ALT 47-7066: 1-12991 1-09136 1-13825 1-17145 1-12121 1-09136	B/A A C.843 O.674 O.837 O.812 O.85C C.874	ZPHAZ INC -90.2 67. -87.4 67. -87.2 67. -93.2 67. -93.2 67. -92.9 67. 3 PHOTO NO	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 7 41.0 31.9 7 41.0 29.2	V PTH 2.586 -64.604 1 28.1 0. 26.0 3.63441 30.8 5.0418 29.9 4.9023 25.2 5.2178 26.0 4.6736 POD SEQUENCE N	PT-PT 1-2 7 2-3 6 3-4 9 4-5 9 5-6 9 6-7 40 956
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA	25 MIN 28 S RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792 25 MIN 29 S	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2	AZN 9.6 8.9 10.0 10.3 9.1 8.9	SEC TG 20.  AZ SUN -82.2 -81.1 -80.8 -83.4 -83.6 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO	ALT 47-7066. A. 1-12951 1-09136 1-13825 1-17145 1-12121 1-09136 167	B/A A C.843 0.674 0.837 0.812 0.854 ATLAS	7 -21.276  ZPHAZ INC -90.2 6787.4 6787.2 6793.2 6792.9 6787.4 67. S PHOTO NO	R 1783.162 B 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8 7 41.0 31.9 7 41.0 29.2 167	V PTH 2 2.586 -64.604 1 28.1 0. 28.1 0. 26.0 3.63441 30.8 5.04188 29.9 4.90234 25.2 5.21783 26.0 4.67366 POD SEQUENCE N V PTH 2.587 -64.586 1	PT-PT 1-2 7 2-3 3-4 5-6 3-6-7 10 956
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA	25 MIN 28 S RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792 25 MIN 29 S	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2	AZN 9.6 8.9 10.0 10.3 9.1 8.9	SEC TG 20.  AZ SUN -82.2 -81.1 -80.8 -83.4 -83.6 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO	ALT 47-7066. A. 1-12951 1-09136 1-13825 1-17145 1-12121 1-09136 167	B/A A C.843 0.674 0.837 0.812 0.854 ATLAS	7 -21.276  ZPHAZ INC -90.2 6787.4 6787.2 6793.2 6792.9 6787.4 67. S PHOTO NO	R 1783.162 B 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8 7 41.0 31.9 7 41.0 29.2 167	V PTH 2 2.586 -64.604 1 2 26.1 0. 26.0 3.63441 30.8 5.0418 29.9 4.90236 25.2 5.2178 26.0 4.67366 POD SEQUENCE N	PT-PT 1-2 2-3 3-4-5 3-6-7 40 956
PHOTO DATA PHOTO DATA PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31.1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.756 -20.405 3 -10.687 -20.498	RANGE 56.25885 54.42792 56.78138 58.42229 25 MIN 29 S  RANGE 53.95134 52.19548	AZS/C -57.0 -58.2 -62.1 -56.8 -58.2 SEC 294 AZS/C -57.0	AZN 9.6 8.9 10.0 10.3 9.1 8.9 MS	AZ SUN -82.2 -81.1 -80.8 -83.4 -63.6 -81.1 SEC TO 19. AZ SUN -82.2 -81.2 -82.2 -82.2 -82.2 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO	ALT 47-7066 1-12991 1.09136 1.13825 1.17145 1.12121 1.09136 167 ALT 45-7442	B/A A C.843 0.674 0.837 0.812 0.85C C.874 ATLAS	7 -21.276  ZPHAZ INC 2-90.2 6787.4 6793.2 6793.2 6792.9 674 6767.4 676	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8 7 41.0 29.2 167  R 1781.200 D PHAZ FMIS 8 38.6 32.5 7 41.0 29.2 7 41.0 29.2 7 41.0 29.2	V PTH 2.586 -64-604 1 28-1 0. 26-0 3.63447 30.8 5.04188 29-9 4.90236 25-2 5.2178 26-0 4.67366 POD SEQUENCE N  V PTH 0.2-587 -64-586 1 ALPHA SCALE 28-1 0. 26-0 3.48521	PT-PT 1-2 2 3 3-4 5 6-7 10 956  AZ 114.868  PT-PT 1-2 7 2 -3 1 -4 5 6-7 1 -4
PHOTO DATA PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.756 -20.405 3 -10.687 -20.498 4 -10.687 -20.336	25 MIN 28 S  RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792 25 MIN 29 S  RANGE 53.95134 52.19588	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 SEC 294 AZS/C -57.0 -58.2 -62.1	AZN 9.6 9.0 10.3 9.1 8.9 MS	SEC TG 20.  AZ SUN -82.2 -81.1 -80.8 -83.4 -93.4 -91.1 -80.8 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO	ALT 47.7066. A• 1.12951 1.09136 1.13825 1.17145 1.2121 1.09136 45.7442. 1.08356 1.04660 1.09466	B/A A C.843 0.674 0.837 0.85C C.874 ATLAS	7 -21.276  ZPHAZ INC -90.2 6787.4 6787.2 6793.2 6792.9 67947.4 67.  ENDOOR NO  LEN 0 -21.248  ZPHAZ INC -90.2 6787.4 6787.2 6787.2 67.	R 1783.162 B 38.6 32.5 7 41.0 29.2 9 36.4 35.8 7 41.0 29.2 167 1781.200 R 1781.200 R 1781.200 R 24.0 29.2	V PTH 2.586 -64.604 1 28.1 0. 26.0 3.63441 30.8 5.0418 29.9 4.90236 25.2 5.2178 26.0 4.6736 POD SEQUENCE N V PTH 2.587 -64.586 1 ALPHA SCALE 28.1 0. 26.0 3.48521 30.8 4.83471	AZ 114.874 PT-PT 1-2 2 2-3 3 3-4 4-5-6 3 6-7 40 956 AZ 114.868 PT-PT 1-2 2 3 3-4
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31.1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.756 -20.405 3 -10.687 -20.498 4 -10.679 -20.3365 5 -10.881 -20.365	25 MIN 28 S  RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792 25 MIN 29 S  RANGE 53.95134 52.19588 54.45211 56.02514	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 -58.2 -57.0 -58.2 -62.1 -56.0	AZN 9.6 8.9 10.0 10.3 9.1 8.9 MS	AZ SUN -82.2 -81.1 -80.8 -83.4 -81.1 SEC TC 19 AZ SUN -82.2 -81.1 -80.8 -83.4	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO	ALT 47.7066. 1.12951 1.09136 1.13825 1.17145 1.12121 1.09136 167 ALT 45.7442.	LAT 3 -10-31 B/A C.843 0-674 0-874 0-874 0-874 ATLAS LAT 2 -10-33 0.674 0-844 0-844 0-874 0-874 0-874 0-874 0-874 0-874 0-874 0-874 0-874 0-874 0-874 0-876 0-8	7 -2i-276  ZPHAZ INC -90.2 6787.4 6793.2 6792.9 6787.4 67.  PHOTO NO  LCN 0 -21.248  ZPHAZ INC -9.29 6787.4 6787.2 6787.2 6792.2 6792.2 6792.2 6793.2 6793.2 6793.2 6793.2 6793.2 6793.2 67.	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 7 41.0 29.2 167 R 1781.200 D PHAZ FMIS 8 38.6 32.5 7 41.0 29.2 8 36.4 33.3 8 38.6 32.5 7 41.0 29.2 8 36.4 33.3	V PTH 2 2.586 -64.604 1 28.1 0. 26.0 3.63441 30.8 5.04188 29.9 4.90236 25.2 5.2178 26.0 4.67368 POD SEQUENCE N  V PTH 2 2.587 -64.586 1 ALPHA SCALE 28.1 0. 26.0 3.48521 30.8 4.83474 29.9 4.70103	AZ 114.874 PT-PT 1-2 2-3 3-4-5 3-5-6 3-5-7 40 956 AZ 114.868 PT-PT 1-2 2-3 3-3-4 2-4-5
PHOTO DATA PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.756 -20.405 3 -10.687 -20.498 4 -10.687 -20.336	25 MIN 28 S  RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.427792 25 MIN 29 S  RANGE 53.95134 52.19588 52.452211 56.02514 53.63717	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 -58.2 -57.0 -58.2 -62.1 -56.0	AZN 9.6 8.9 10.0 10.3 9.1 8.9 MS	SEC TG 20.  AZ SUN -82.2 -81.1 -80.8 -83.4 -93.4 -91.1 -80.8 -81.1	AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO IMPACT 506 **AZA 33.0 32.8 32.8 32.8 32.8 32.8 33.1 33.6 32.8 32.8 33.1 33.6 32.8 33.6 32.8 33.6 32.8 33.6 32.8 33.6 32.8 33.6 32.8 33.6 34.6 34.6 34.6 34.6 34.6 34.6 34.6 34.6 34.6 34.	ALT 47.7066. A• 1.12951 1.09136 1.13825 1.17145 1.2121 1.09136 45.7442. 1.08356 1.04660 1.09466	LAT 3 -10-31 8/A 6.843 0-874 0-837 0-812 0-856 0-874 ATLAS 1-0-33 0-674 0-874 0-877 0-812 0-856 0-877 0-812 0-856 0-877 0-812 0-856 0-877 0-812 0-856 0-856 0-856 0-856 0-856	7 -21.276  ZPHAZ INC -90.2 6787.4 6787.4 6793.2 6793.2 6792.9 67 67.4 67 67.4 67 67.4 67 67.4 67 67.4 67 67.4 67 67.4 67 67.4 67 67.4 67 67.4 67 67.2 67 67.2 67 67.2 67 67.2 67 67.2 67 67.2 67 67.93.2 67 93.2 67	R 1783.162 B 38.6 32.5 7 41.0 29.2 9 36.4 35.8 7 41.0 29.2 167 1781.200 R 1781.200 R 1781.200 R 24.0 29.2	V PTH 2 2.586 -64.604 1 28.1 0. 26.0 3.63441 30.8 5.04188 29.9 4.9023 25.2 5.21783 26.0 4.67366 POD SEQUENCE N V PTH 2.587 -64.586 1 ALPHA SCALE 28.1 0. 26.0 3.48527 30.8 4.83477 29.9 4.7010; 25.2 5.00341	AZ 114.874 PT-PT 1-2 2 2-3 3 3-4 5 4-5 3 6-7 10 956 AZ 114.868 PT-PT 1-2 2-3 3-4-5 5-6 13-5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31.1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.756 -20.405 3 -10.687 -20.405 5 -10.831 -20.325 6 -10.831 -20.325 7 -10.687 -20.498	RANGE 56.25885 54.42792 55.73125 54.42792 25 MIN 29 S  RANGE 53.95134 52.19588 54.45211 56.02514 53.63717 52.19588	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 SEC 294 AZS/C -57.0 -58.2 -58.2 -58.2	AZN 9.6 8.9 10.0 10.3 9.1 8.9 MS AZN 9.6 8.9 10.0 10.3 9.1	SEC TC 20.  AZ SUN -82.2 -81.1 -80.8 -83.4 -83.4 -81.1  SEC TC 19  AZ SUN -82.2 -81.1 -80.8 -83.4 -83.4 -83.4 -83.4 -83.4 -83.4	IMPACT 346  AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO  IMPACT 506  AZA 33.0 32.8 33.1 33.6 32.8 32.3 33.1 33.6 32.8	ALT 47.7066 1.12951 1.09136 1.13825 1.17145 1.12121 1.09136 167 ALT 45.7442 	LAT 3 -10-31  B/A 3 0-874  0-837 0-812 0-854  ATLAS  LAT 2 -10-33  0.674  0-844 0-877 0-812 0-856 0-874  0-844 0-877 0-812 0-856 0-874	7 -21.276  ZPHAZ INC -90.2 6787.4 6787.2 6793.2 6793.2 6792.9 6787.4 67.  ECN 0 -21.248  ZOMAN INC -90.2 6787.4 6787.2 6793.2 6793.2 67.	R 1783.162  D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 35.8 7 41.0 29.2  167  R 1781.200  PHAZ FMIS 8 38.6 32.5 7 41.0 29.2  167  R 38.6 32.5 7 41.0 29.2  7 41.0 29.2	V PTH 2 2.586 -64.604 1 28.1 0. 28.1 0. 30.8 5.04188 29.9 4.9023 25.2 5.2178 26.0 4.6736  POD SEQUENCE N  V PTH 2.587 -64.586 1 ALPHA SCALE 28.1 0. 26.0 3.48527 30.8 4.8347 29.9 4.70107 25.2 5.00341 26.0 4.48185	AZ 114.874 PT-PT 1-2 2 2-3 3 3-4 5 6-7 10 956 AZ 114.868 PT-PT 1-2 2 3-3 4 4-5 5 6-7
PHOTO DATA PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.293 6 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31.1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.756 -20.405 3 -10.687 -20.495 5 -10.831 -20.336 6 -10.831 -20.305 6 -10.831 -20.305	RANGE 56.25885 54.42792 55.73125 54.42792 25 MIN 29 S  RANGE 53.95134 52.19588 54.45211 56.02514 53.63717 52.19588	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 SEC 294 AZS/C -57.0 -58.2 -58.2 -58.2	AZN 9.6 8.9 10.0 10.3 9.1 8.9 10.0 10.3 8.9 10.0 10.3 8.9 MS	SEC TC 20  AZ SU.2 -81.1 -80.8 -83.4 -61.1  SEC TC 19  AZ SUN -82.2 -81.1 -80.8 -83.4 -81.1	IMPACT 346  AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO  IMPACT 506  AZA 33.0 32.8 TAB NO  IMPACT 506  AZA 33.0 32.8 32.8 32.8 32.8 32.8 32.8 33.1 TAB NO	ALT 47.7066. A.1.12951 1.09136 1.13825 1.17145 1.12121 1.09136 167 ALT 45.7442. 1.08356 1.04660 1.09156 1.12339 1.07523 1.07523 1.04660	LAT 3 -10-31  B/A C.843 0.674 0.837 0.812 0.85C 0.874  ATLAS	TON 7 -21.276  ZPHAZ INC -90.2 6787.4 6793.2 6793.2 6792.9 674 6787.4 6787.4 6787.2 6787.2 6787.2 6793.2 67	R 1783.162 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8 7 41.0 29.2 167 R 1781.200 6 PHAZ FMIS 8 38.6 32.5 7 41.0 29.2 8 36.4 33.3 9 36.4 35.8 7 41.0 29.2	V PTH 2.586 -64-604 1 28-1 0. 26-0 3.63447 30.8 5.04188 29-9 4.9023 25-2 5.2178 26-0 4.67368 POD SEQUENCE N  V PTH 2.587 -64-586 1 ALPHA SCALE 28-1 0. 26-0 3.48527 30.8 4.8347 29-9 4.7010 25-2 5.00341 26-0 4.48185	AZ 114.874 PT-PT 1-2 7 2-3 3-4-5 3-6-7 10 956 AZ 114.868 PT-PT 1-2 7 2-3 3-3-4 5-6-7 10 957
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PHOTO DATA PHOTO DATA PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.756 -20.498 4 -10.687 -20.498 5 -10.831 -20.305 6 -10.831 -20.377 7 -10.687 -20.498  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792 25 MIN 29 S  RANGE 53.95134 52.19588 54.45211 56.02514 53.63717 52.19588	AZS/C -57.0 -58.2 -52.1 -56.0 -51.8 -58.2 SEC 294 AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2	AZN 9.6 8.9 10.0 10.3 2.1 8.9 MS	SEC TG 20 20 20 20 20 20 20 20 20 20 20 20 20	IMPACT 346  AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO  IMPACT 506  AZA 33.0 32.8 TAB NO  IMPACT 506  AZA 33.0 32.8 32.8 32.8 32.8 32.8 TAB NO	ALT 47.7066. A- 1.12951 1.09136 1.13825 1.17145 1.12121 1.09136 167 ALT 45.7442. 1.08356 1.04660 1.09156 1.12339 1.07523 1.04660	LAT 3 -10-31  6/84 3 0-874 0-837 0-815 0-874  ATLAS  1-10-33  ATLAS  LAT 1 -10-34	7 -21.276  ZPHAZ INC -90.2 6787.4 67 87.2 6793.2 67 92.9 6767.4 67. 6 PHOTO NO  LCN 0 -21.248  ZDU-7 INC -90.2 6787.2 6793.2 67	R 1783.162  D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 35.8 9 36.4 35.8 7 41.0 29.2  167  R 1781.200 6 9HAZ FMIS 8 38.6 32.5 7 41.0 29.2 8 36.4 35.8 9 36.4 35.8 1781.200 6 9HAZ FMIS 8 38.6 32.5 7 41.0 29.2 168	V PTH 2 2.586 -64.604 1 26.1 0 . 26.0 3.63447 30.8 5.04188 29.9 4.90236 25.2 5.21787 26.0 4.67368 POD SEQUENCE N  V PTH 2 2.587 -64.586 1 ALPHA SCALE 28.1 0. 26.0 3.4852 30.8 4.8347 29.9 4.70107 25.2 5.00341 26.0 4.48185 POD SEQUENCE N	AZ 114.874 PT-PT 1-2 2 2-3 3 3-4 5 4-5 3 6-7 10 956 AZ 114.868 PT-PT 1-2 2 3-3 2 4-5 5 6-7 10 957
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TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -10.762 -20.397  3 -10.689 -20.494  4 -10.681 -20.293  6 -10.841 -20.468  7 -10.689 -20.494   JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON  2 -10.756 -20.405  3 -10.687 -20.498  5 -10.831 -20.355  6 -10.833 -20.479  JULY 31,1964 13 HR	RANGE 56.25885 54.42792 56.78138 58.42299 55.93125 54.42792 25 MIN 29 S  RANGE 53.95134 52.19588 25 MIN 30 S  RANGE 51.64236 49.96242	AZS/C ->7.0 ->8.2 -62.1 -56.0 -51.8 -58.2 -57.0 -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 -62.1 -51.8 -58.2	AZN 9.6 8.9 10.0 10.3 9.1 10.0 10.3 9.1 8.9 MS	SEC TC 10 18 1.1 SEC TC 19 18 2.2 -81.1 -80.8 -83.4 -83.4 -83.6 -81.1 SEC TC 19 18 2.2 -81.1 SEC TC 18 2.2	AZA 33.0 32.8 33.1 33.6 32.8 TAB NO  IMPACT 506  AZA 33.1 33.6 32.8 TAB NO	ALT 47.7066  A* 1.12951 1.09136 1.13825 1.17145 1.12121 1.09136  167  ALT 45.7442 1.08356 1.04660 1.09156 1.12332 1.04660 168  ALT 43.7810	LAT 3 -10-31  B/A 2 0-834 0-837 0-812 0-856 0-874  ATLAS 2 -10-33 0.6.34 0-874  ATLAS 1 -10-34  B/A A 0-874  B/A A 0-874  B/A A 0-874  B/A A 0-874	7 -21.276  ZPHAZ INC -90.2 6787.4 6793.2 6793.2 6792.9 674 6767.4 6767.4 6767.4 6787	R 1783.162  D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 35.8 9 36.4 35.8 7 41.0 29.2 167  R 1781.200 PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 168  R 1779.236  D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2	V PTH 2 2.586 -64.604 1 28.1 0. 26.0 3.63441 30.8 5.04188 29.9 4.90236 25.2 5.21788 26.0 4.67368  POD SEQUENCE N  V PTH 2 2.587 -64.586 1 ALPHA SCALE 28.1 0. 26.0 3.48521 30.8 4.83476 29.9 4.70106 25.2 5.00341 26.0 4.48186  POD SEQUENCE N	AZ 114.874 PT-PT 1-2 2 2-3 3 3-4 5 4-5 3 6-7 10 956 AZ 114.868 PT-PT 1-2 2 3-3 5 6-7 10 957 AZ 114.863 PT-PT 1-2 2 14.863
TRAJECTORY DATA  PHOTO DATA  PT LAT LON  2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.756 -20.405 3 -10.687 -20.493 5 -10.831 -20.356 6 -10.831 -20.357 7 -10.687 -20.498  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.751 -20.413 3 -10.687 -20.498  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  1 LAT LON 2 -10.751 -20.413 3 -10.684 -20.502 4 -10.677 -20.346 5 -10.823 -20.317	RANGE 56.25885 54.42792 56.78138 58.42299 55.93125 54.42792 25 MIN 29 S  RANGE 53.95134 52.19588 25 MIN 30 S  RANGE 51.64236 49.96242 52.12139 53.62660	AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 SEC 294 AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 SEC 134	AZN 9.66 8.9 HS	SEC TC 20 AZ SUN -82-2 -81-1 -80-8 -81-1 SEC TC 19 AZ SUN -83-4 -83-6 -81-1 SEC TO 18 AZ SUN -82-2 -81-1 -80-8 AZ SUN -82-2 -81-1 -81-1 -80-8 AZ SUN -82-2 -81-1	IMPACT 346  AZA 33.0 32.8 32.3 33.1 33.6 32.8 TAB NO  IMPACT 506  AZA 33.0 32.8 32.3 33.1 33.6 32.8 32.3 33.1 33.6 32.8 32.3 33.1 33.6 32.8 32.3 33.1 33.6 32.8 32.3 33.1 33.6 32.8 32.3 33.1 33.6 32.8 32.3 33.1 33.6 32.8 32.8 32.8 32.8 32.8 32.8 32.8 32.8	ALT 47.7066  A- 1.12951 1.09136 1.13825 1.17145 1.12121 1.09136  167  ALT 45.7442 1.08356 1.04660 1.09156 1.12339 1.04660 168  ALT 43.7810 A- 1.03719 1.03719 1.03719 1.03482	LAT 3 -10-31 8/A 3 0-874 0-837 0-815 0-852 0-852 0-874 ATLAS 1-10-33 0-874	TON	R 1783.162  D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 33.3 9 36.4 35.8 7 41.0 29.2 167  R 1781.200 PHAZ FMIS 8 38.6 32.5 7 41.0 29.2 8 36.4 33.3 9 36.4 35.8 7 41.0 29.2 168  R 1779.236 D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2	V PTH 2.586 -64.604 1 26.1 0 . 26.0 3.63441 30.8 5.04188 29.9 4.90236 25.2 5.2178 26.0 4.67368  POD SEQUENCE N  V PTH 2.587 -64.586 1 ALPHA SCALE 28.1 0. 26.0 3.48521 30.8 4.83474 29.9 4.70107 25.2 5.00341 26.0 4.48186  POD SEQUENCE N	AZ 114.874 PT-PT 1-2 7 2-3 3 3-4 5 4-5 9 6-7 80 956 AZ 114.868 PT-PT 1-2 1 3-4 1 5-6 1 6-7 10 957 AZ 114.863 PT-PT 1-2 1 2-3 1 3-4 1
PHOTO DATA PT LAT LON 2 -10.762 -20.397 3 -10.689 -20.494 4 -10.681 -20.325 5 -10.840 -20.293 6 -10.841 -20.468 7 -10.689 -20.494  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.756 -20.405 3 -10.687 -20.498 4 -10.679 -20.336 5 -10.831 -20.305 6 -10.831 -20.305 6 -10.833 -20.473 7 -10.687 -20.498  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA 2 -10.751 -20.413 3 -10.684 -20.502 4 -10.677 -20.346	RANGE 56.25885 54.42792 56.78138 58.42229 55.93125 54.42792 25 MIN 29 S  RANGE 53.95134 52.19588 54.45211 56.02514 53.63717 52.19588 25 MIN 30 S	AZS/C -57.0 -58.2 -56.0 -51.8 -58.2 SEC 294 AZS/C -57.0 -58.2 -62.1 -56.0 -51.8 -58.2 SEC 134 AZS/C -57.0 -58.2 -62.1 -56.0 -58.2 -62.1 -56.0 -51.8 -58.2	AZN 9.66 8.9 10.0 10.3 9.6 8.9 10.0 10.3 9.6 8.9 10.0 10.3 9.7 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	SEC TC 10 18 1.1 SEC TC 19 18 2.2 -81.1 -80.8 -83.4 -83.4 -83.6 -81.1 SEC TC 19 18 2.2 -81.1 SEC TC 18 2.2	AZA 33.6 32.8 TAB NO  IMPACT 506  AZA 33.6 32.8 TAB NO  IMPACT 506  AZA 33.0 32.8 TAB NO  IMPACT 606  AZA 33.0 32.8 TAB NO	ALT 47.7066.  1.12951 1.09136 1.13825 1.17145 1.12121 1.09136 167  ALT 45.7442.  1.08356 1.04660 1.09156 1.12339 1.07523 1.04660 1.03719 1.00182 1.04640 1.03719 1.00182 1.04640 1.07529	LAT 3 -10-31  B/A A C.843 0.674 0.837 0.812 0.857 ATLAS  LAT 2 -10-33 0.844 0.874 0.837 0.812 0.856 C.874  ATLAS	7 -21.276  ZPHAZ INC -90.2 6787.4 6787.2 6793.2 6792.9 6787.4 67.0 NO  LCN 0 -21.248  ZPHAZ INC -90.2 6787.4 6787.4 6787.2 6792.9 6787.4 6787.4 6787.4 6787.2 6793.2 6787.4 6787.2 6793.2 6787.4 6793.2 6787.4 6793.2 6787.4 6793.2 6787.2 6793.2	R 1783.162  D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 9 36.4 35.8 9 36.4 35.8 7 41.0 29.2 167  R 1781.200 PHAZ EMIS 8 38.6 32.5 7 41.0 29.2 168  R 1779.236  D PHAZ EMIS 8 38.6 32.5 7 41.0 29.2	V PTH 2 2.586 -64-604 1 28-1 0. 26-0 3.63441 30.8 5.04188 29-9 4.90236 25-2 5.22178 26-0 4.67368 POD SEQUENCE N  V PTH 2 2.587 -64-586 1 ALPHA SCALE 28-1 0. 26-0 3.48521 30.8 4.8347 29-9 4.7010 25-2 5.00341 26-0 4.48185 POD SEQUENCE N  V PTH 2 2.588 -64-569 1 ALPHA SCALE 28-1 0. 26-0 3.33591 30.8 4.8377 29-9 4.7010 25-2 5.00341 26-0 3.33591 30.8 4.62751 29-8 4.62751 29-8 4.62751 29-8 4.62751 29-8 4.69966	AZ 114.874 PT-PT 1-2 7 2-3 3 3-4 5 4-5 9 6-7 80 956 AZ 114.868 PT-PT 1-2 1 3-4 1 5-6 1 6-7 10 957 AZ 114.863 PT-PT 1-2 1 2-3 1 3-4 1

			RA-VII	CAMERA	P.3 .							29
JULY 31,1964 13 HR	25 MIN 30 SEC 974	. MS		TAB NO	169	ATLAS	РНОТО М	0 1	69		EQUENCE N	958
	E3 11K 20 322 211								_			
TRAJECTORY DATA			SEG. TO 17.	IMPACT 826	ALT 41.81725	-10.35	LON 5 -21.1	93	R 1777.273	2.590	_ PTH _ -64.551 1	4.858
PHOTO DATA	0.41/05 4.75.46	A 741	475111	474		B/A A			HAZ EMIS		SCALE	
PHOTO DATA PT LAT LON 2 -10.746 -20.420 3 -10.682 -20.505	49.33217 -57.0	9.6	AZ SUN	33.0	0.99079				8.6 32.5		0.	1- 2
3 -10.682 -20.505	47.72773 -58.2	8.9	-81.1	24.0	0.42101	C.874 -	-87.4 6	7.7 4	1.0 29.2	26.0	3.18655 4.42020	2- 3
4 -10.675 -20.357	49.78948 -62.1	10.0	-80.8		0.99809	0.837	-87.2 6	7.8 3	6.4 33.3	30.8 29.8	4.42020	3- 4 4- 5
5 -10.814 -20.329	51.22685 -56.0		-83.4		1.02717	0.813	-93.2 6	7.9 3 7 7 4	1.0.31.9			
6 -10.815 -20.482 - 7 -10.682 -20.505	47.72773 -58.2	8.9	-83.6 -81.1	32.8	C.957C1	0.874	-87.4 6	7.7 4	1.0 29.2	26.0	4.09802	
				TAB NO	170	ATLAS	PHOTO !	10 1	70	POD 9	SEQUENCF N	N 959
JULY 31,1964 13 HR									•	.,	0.76	A 7
TRAJECTORY DATA			16.	986	39.85294	-10.36	8 -21.1	65	1775.308	2.591	-64.533 1	14.853
PHOTO DATA PT LAT LON	DARCE AISIC	A7N	AZ SUN	AZA	Α.	B/A A	7 P H A 7   1	NCD F	HAZ EMIS	ALPHA	SCALE	PT-PT
PT LAT LON 2 -10.741 -20.428	RANGE AZS/C 47.02078 -57.0	9.6	-82.2	33.0			-90.2 6	7.8 3	8.6 32.5	28.0	0. 3.03699	1- 2
3 -10.680 -20.509	45.49187 -58.2	8.9	-81.1	32.8	C.91218	0.874	-87.4 6	7.7 4	1.0 29.2	26.0	3.03699	2- 3
4 -10.673 -20.368	47.4563762.1		-80.8	32.4	C.95132			7.8 3	36.4 33.3. 36.4 35.8	. 10.B	4.09661	4- 5
5 -10.806 -20.341	48.82594 -56.0 46.74712 -51.8	9.1	-83.4 -83.6		0.97903	0.850			11.0 31.9		4.35946	5- 6
6 -10.807 -20.487 7 -10.680 -20.509	46.74712 -51.8 45.49187 -58.2	8.9	-81.1	32.8	C.91218	C.874	-87.4 6	7.7	1.0 29.2	26.0	3.90593	
				TAB NO	171	ATLAS	РНОТО	NO 1			SEQUENCE N	
JULY 31,1964 13 HK	25 MIN 32 SEL 653										PTH	
TRAJECTORY DATA				IPPACT	AL T 37.88795	LAT -10.38	LCN 1 -21.1	37	1773.343	2.592	-64.515 1	14.847
PHOTO DATA	RANGE AZS/C				Δ.				PHAZ EMIS		SCALE	
PT LAT LON 2 -10.735 -20.436	KANGE AZS/C	9.6	AZ SUN -82.2	AZA 33.0		C-844	-90-2 6	7.8	38.6 32.5	28.0	0.	1-2
3 -10.677 -20.513	43.25462 -58.2	8.9		32.8	C.86732	C.874	-87.4 6	7.7	41.0 29.2	26.0	2.88751	2-3
4 -10.671 -20.378	45.12189 -62.1		-80.8	32.4	0.90453		-87.2 6	7.8	36.4 33.3	30.7	4.00530	3- 4
5 -10.797 -20.353	46.42367 -56.0	10.3			C.93C86	0.813	-93.2	7.8	36.4 35.7	29.8 25.1	3.89489 4.14467	
6 -10.798 -20.492 7 -10.677 -20.513	44.44784 -51.8 43.25462 -56.2		-83.6 -81.1	33.6 32.8	C.89101 O.86732	0.874	-92.9 6	7.7	41.0 31.9 41.0 29.2		3.71374	6- 7
				TAB NO	172	ATLAS	<b>РНОТО</b>	NO :	172	POD	SEQUENCE N	10 961
JULY 31,1964 13 HR	25 MIN 33 SEC 49											
TRAJECTORY DATA			SEC TO 15	IMPACT	AL T 35.9225	LAT 5 -10.39	LOP 33 -21.1	09	R 1771.37	V 3 2.593	PTH 3 -64.497 ]	AZ 114.842
PHOTO DATA		· · · ·	4.7.5.1141		Δ+	0/4	70047	NC D	DHAT ENIS	AI DHA	SCALE	PT-PT
PHUIC DATA PT LAT LCN 2 -10.730 -20.443	42 30414 -57 O	D A	AZ SUN -82.2	AZA 33.0	0.85145	0.844	-90-2	7. 7	38.6 32.4	28.0	0.	1- 2
3 -10.675 -20.517	RANGE AZS/C 42.39414 -57.0 41.01629 -58.2	8.9	-81.1	32.8	0.82244	0.674	-87.4	7.7	38.6 32.4 41.0 29.2	26.0	2.7378	7 2-3
4 -10.669 -20.389	42.78635 -62.1	10.0	-81.1 -80.7	32.4	0.85771	0.837	-87.2	57.8	36.4 33.3	30.7	3.79776	5 3-4
5 -10.789 -20.365	44.02032 -56.0		-83.4		C.88267	0.813	-93.2	57 · B	36.4 35.7	29.8	3.69319 3.9298	
6 -10.790 -20.497 7 -10.675 -20.517	42.14747 -51.8 41.01629 -58.2	8.9	-83.6 -81.1	32.8	C.84490 C.82244	0.874	-92.9 -87.4	57.7	41.0 31.9 41.0 29.2	26.0	3.5214	
				TAB NO	173	ATLA	s <b>Р</b> НОТО	NO	173	POD	SEQUENCE !	NO 962
JULY 31,1964 13 HR	1 25 MIN 34 SEC 33											
TRAJECTORY DATA				[PPACT	AL T 33.9564	LAT 7 -10.40	LC: 06 -21.	N 081	R 1769.41	v 2 2.59	PTH 4 -64.478	AZ 114.837
PHOTO DATA	0.4405			A7 A	Δ.	0.74	4 7 D W 4 7	INCO	PHAZ EMIS	AI DH A	SCALE	P1-P1
PHOTO DATA PT LAT LGN 2 -10.725 -20.451	RANGE AZS/C	AZN Q.4	AZ SUN	A/A 33.0	G-80495	0.844	-90.2	67.7	38.6 32-4	28.0	0.	1- 2
3 -10.673 -20.520	38.77661 -58.2	8.9	-81.1	32.9	C.77753	C.874	-87.4	67.7	38.6 32.4 41.0 29.2	26.0	0. 2.5882	3 2- 3
4 -10.667 -20.400	38.77661 -58.2 40.44946 -62.1 41.61566 -56.0	10.0	-81.1 -80.7	32.4	0.81086	0.837	-87.2	67.8	36.4 33.3	30.7	3.5900	9 3- 4 1 4- 1
5 -10.780 -20.377	41.61566 -56.0	10.3	-83.4	33.1	0.83445	0.813	-93.2	67.8	36.4 35.7 41.0 31.9	29.8		
6 -10.781 -20.502 7 -10.673 -20.520	39.84578 -51.8 38.77661 -58.2		-83.6	33.6	0.77753		-87.4	67.7	41.0 29.2	26.0	3.3291	
				TAB NO			S PHOTO	NO	174	POD	SEQUENCE	NO 96
JULY 31,1964 13 H	+ 25 MIN 35 SEC 17											
TRAJECTORY DATA			SEC 10	IMPACT	ALT 31.9897	LAT 9 -10.4	LO 19 -21.	N 053	R 1767.44	V 5 2.59	PTH 5 -64.460	AZ 114.83
PHOTO DATA PT LAT LON	RANGE AZS/C	. 474										
PT LAT LON 2 -10.719 -20.459	37.76244 -57.0	, HLN	-87.2	33.0	C.75842	0.844	-90.2	67.7	38.6 32.4	28.0	0	
3 -10.670 -20.524	36.53568 -58.2	8.9	-81.1	32.9	0.73259	0.875	-87.4	67.7	41.0 29.2	26.0	2.4365	0 2-
4 -10.665 -20.411	38.11133 -62.0	10.0	-80.7	32.4	0.76399	0.837	-81.2	67.8	36.4 33.3	30.7	3.3823	7 3-
5 -10.772 -20.389	39.20972 -56.0	10.3	-83.4	33.1	C.78621	0.813	-93.2	67.8	36.4 35.7	29.8	3.2892	
6 -10.772 -20.507 7 -10.670 -20.524	RANGE AZS/C 37.76244 -57.0 36.53568 -58.0 38.11133 -62.0 39.20972 -56.0 37.54278 -51.8 36.53568 -58.2	9.1	-83.6 -81.1	32.9	0.73259	0.875	-92.9	67.7	41.0 29.2	26.0	3.1365	
10.670 -20.524	50.55500 -50.2	,	.,	,,,,	00.525	3.0.,	,	•				

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						ra,							30
				TAB	NO	175	ATLA	s <b>Р</b> НОТО	NO	175	POD S	EQUENCE NO	0 064 -
JULY 31,1964 13 HR	25 MIN 36	SEC 13 N	15							1,3	100 3	EQUENCE IN	<i>)</i> <del>304</del>
TRAJECTORY DATA			SE	OT OT O		ALT	LAT		ON	. R	¥	PTH	AZ
PHOTO DATA			_	12.78	6	30.0225	5 -10.4	32 -21	.025	1765.47	8 2.597	-64.442 1	14.826
PT LAT LON	RANGE	AZS/C	AZN A	ZSUN	AZA	Α+	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	STALE	PT-PT
2 -10.714 -20.467	35.44467 34.29347	-57.0	9.6 -	82.2 33 81.1 33 80.7 32	3.0	C.71187	0.844	-90.2	67.7	38.6 32.4	28.0	0	1- 2
3 ~10.668 -20.528 4 -10.663 -20.421		-58.2 -62.0 1	8.9 -	81.1 3	2.9	0.68763	0.875	-87.4	67.7	41.0 29.2	26.0	2.28867	2- 3
5 -10.763 -20.401		-56.0 I	0.3	83.4 3	3.1	0.71710	0.814	-93-2	67.8	36.4 33.3 36.4 35.7	30 • f	3.17453	4- 5
6 -10.764 -20.511	35.23855_		9.1 -	83.6. 3	3.6	C.70640	0.851	-92.9	67.7	41.0 31.9	25.1	3.28468	5-6
7 -10.668 -20.528	34.29347	-58.2	8.9 -	81.1 32	2.9	C.68763	0.875	-87.4	67.7	41.0 29.2	26.0	2.94404	
				TAB	NO 8	176	ATLA	S PHOTO	ONO	176	POD S	EQUENCE N	0 965
JULY 31,1964 13 HR	25 MIN 36	SEC 853 M	IS										
TRAJECTORY DATA			SE	C.TO IM	PACT.	ALT	LAT	L	CN	R	v	PTH	AZ.
PHOTO DATA				11.946	5	28.05452	2 -10.4	45 -2C	.996	1763.510	2.598	-64.424 1	14.821
PT LAT LEN	RANGE	AZS/C	AZN A	Z SUN A	ΔZA	Δ.	B/A	AZPHAZ	INCD	PHAZ EMIS	A1 PHA	SCALE	PT-PT
2 -10.708 -20.475	33.12544	-57.0	9.6 -	82.2 3		C.66529	0.844	-90.2	67.7	38.6 32.4	28.0	0.	1- 2
3 -10.666 -20.532	32.04979	-58.2	8.9 -	81.1 32	2.9	0.64265	C.875	-87.4	67.7	41.0 29.2	26.0	2.13885	2- 3
4 -10.661 -20.432 5 -10.754 -20.413	33.43107	-62.0 1	.0.0 -	80.7 32 83.4 33	2.4	C.67017	C.838	-87.2	67.8	36.4.33.2	30.7	2.96663	34_
6 -10.755 -20.413	34.39395 32.93281		.0.3 -	83.4 33	3.1	0.68965			67.8	36.4 35.7	29.7	2.88522	
7 -10.666 -20.532				81.1 32		0.64265	0.875	-92.9	67.7	41.0 31.9 41.0 29.2	25.1	3.06948 2.75133	5= 6
100000 200352	32.04,717	30.2	0.7										
Bit V 23 207	35 444 33			TAB	NO	177	ATLA	S PHOTO	ON C	177	POD S	EQUENCE N	0 966
JULY 31,1964 13 HK	25 MIN 37	SEE .693 M	21										
TRAJECTORY DATA			SE	C TO IMP	ACT	ALT	LAT	L	ON	R	v	PTH	AZ
augen aus				11.106	5	26.0860	7 -10.4	57 -20	.968	1761.541	2.599	-64.406 1	
PHOTO DATA PT LAT LON	RANGE	AZS/C	AZN A	* C.I.I.	4.7.A								
2 -10.703 -20.482	30.80509	-57.0	Q.A.	2 3 UN A		A+ 0 61869	O SAA	AZPHAZ	INCD	PHAZ EMIS 38.6 32.4	ALPHA	SCALE	PT-PT
3 -10.663 -20.536	29.80502	-58.2	8.9 -	81.1 32	2.9	C.59763	0.875	-87.4	67.7	41.0 29.2	26.0	1.98887	<del>1-2</del> 2-3
4 -10.659 -20.443	31.08913	-62.0 1	0.0 -	80.7 12	2 - 4	0.62322	0.836	-87.2	67.7	36.4 33.2	30-7	2.75861	
5 -10.746 -20.425	31.98423	-56.0 1	0.3 -	83.4 33	3.1	0.64133	0.814			36.4 35.7		2.68289	
6 -10.746 -20.521	30.62599	-51.8	9.1 -	83.4 33 83.7 33 81.1 32	3.6	0.61394	0.851	-92.9	67.7	41.0 31.9	25.1	2.85420	5-6.
7 -10.663 -20.536	29.80502	-58.2	8.9 -		2.9							2 65052	6- 7
				01.1 32		0.59763	0.875	-87.4	67.7	41.0 29.2	26.0	2.55852	6- 1
					NO			S PHOTO					_
JULY 31,1964 13 HR	25 MIN 38											EQUENCE NO	_
JULY 31,1964 13 HR	25 MIN 38		 'S	TAB	NO		ATLA	S PHOTO	NO NO	178	POD S	EQUENCE NO	0 967
IKAJECTORY DATA	25 MIN 38		 'S		PACT	178	ATLA:	S PHOTO	NO 0	178	POD S	EQUENCE NO	0 967 - AZ
INAJECTORY DATA PHOTO DATA		SEC 533 M	S S E	TAB	PACT	178 ALT 24-11688	ATLA:	S PHOTO	NO GN •940	178 R 1759.572	POD S	PTH -64-387 13	AZ 14.810
IKÁJECTÓRY DATA PHOTO DATA PT LAT LON	RANGE	SEC 533 M	S SE	TAB C TO IMP 10.266	PACT S	ALT 24.11688	ATLA:	S PHOTO  10 -20  AZPHAZ	0 NO 6N .940	178 R 1759.572 PHAZ FMIS	POD S	PTH -64-387 13	AZ 14.810 PT-PT
PHOTO DATA  PT LAT LON 2 ~10.698 -20.490	RANGE 28.48327	SEC 533 M	S SE	TAB C TO IMP 10.266	PACT S	ALT 24.11688 C.572C6	ATLA LAT -10.4	S PHOTO  70 -20  AZPHAZ -90.2	NO 6N •940 INCD 67•7	R 1759.573 PHAZ EMIS 38.6 32.4	POD S V 2.600 ALPHA 28.0	PTH -64.387 13	AZ 14.810 PT-PT 1- 2
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539	RANGE 28.48327 27.55880	AZS/C -57.0 -58.2	SE AZN A 9.6 8.9	TAB  C TO IMP 10.266  ZSUN A 82.2 32 81.1 32	PACT	ALT 24.11688 C.572C6 0.55260	ATLA LAT -10.4 B/A 0.844 0.875	S PHOTO 70 -20 AZPHAZ -90.2 -87.4	INCD 67.7 67.6	R 1759.573 PHAZ EMIS 38.6 32.4 41.0 29.2	POD S  V 2.600  ALPHA 28.0 26.0	PTH -64.387 17 SCALE 0. 1.83892	AZ 14.810 PT-PT 1-2 2-3
PHOTO DATA PHOTO DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.454 5 -10.737 -20.438	RANGE 28.48327	AZS/C -57.0 -58.2 -62.0 1 -56.0 1	AZN A 9.6 8.9	TAB C TO IMP 10.266 ZSUN	PACT 6 AZA 3.0 2.9	ALT 24.11688 C.57206 0.55260 0.57625	B/A 0.844 0.875 0.838	S PHOTO 70 -20 AZPHAZ -90-2 -87-4 -87-2	INCD 67.7 67.6 67.7	R 1759.573 PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2	POD S V 2.600 ALPHA 28.0	PTH -64-387 13 SCALE 0. 1.83892 2.55051	AZ 14.810 PT-PT 1- 2 2- 3 3- 4
PHOTE DATA PHOTE DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.454 5 -10.737 -20.438 6 -10.738 -20.266	RANGE 28.48327 27.55880 28.74572 29.57307	AZS/C -57.0 -58.2 -62.0 1 -56.0 1	AZN A 9.6 - 8.9 - 0.0 -	TAB  C TO 1Mi 10.266  ZSUN # 82.2 33 81.1 32 80.7 32 83.4 33 83.7 33	PACT 6 AZA 3.0 2.9 2.4 3.1	ALT 24.11688 C.572C6 0.552C0 0.57625 0.59298	B/A 0.844 0.875 0.838 0.814	S PHOTO 70 -20 AZPHAZ -90.2 -87.4 -87.2 -93.2	INCD 67.7 67.6 67.7 67.8	R 1759.573 PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 35.6	POD S V 2.600 ALPHA 28.0 26.0 30.7 29.7	PTH -64.387 17 SCALE 0. 1.83892	AZ 14.810 PT-PT 1- 2 2- 3 3- 4 4- 5
PHOTO DATA PHOTO DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.454 5 -10.737 -20.438	RANGE 28.48327 27.55880 28.74572 29.57307	AZS/C -57.0 -58.2 -62.0 1 -56.0 1	AZN A 9.6 - 8.9 - 0.0 -	TAB  C TO IMP 10.266  Z SUN A 82.2 33 88.1 32 80.7 32 83.4 33	PACT 6 AZA 3.0 2.9 2.4 3.1	ALT 24.11688 A. C.57206 0.55260 0.57625 0.59298 C.56767	B/A 0.844 0.875 0.838 0.814 0.851	S PHOTO 70 -20 AZPHAZ -90.2 -87.4 -87.2 -93.2 -92.9	INCD 67.7 67.6 67.7 67.8 67.7	R 1759.573 PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2	POD S V 2.600 ALPHA 28.0 26.0 30.7 29.7	PTH -64-387 13 SCALE 0. 1.83892 2.55051 2.48056	AZ 14.810 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTE DATA PHOTE DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.454 5 -10.737 -20.438 6 -10.738 -20.266	RANGE 28.48327 27.55880 28.74572 29.57307	AZS/C -57.0 -58.2 -62.0 1 -56.0 1	AZN A 9.6 - 8.9 - 0.0 -	TAB  C TO 1MH 10.266  Z SUN	AZA AZA 3.0 2.4 3.1 3.5	ALT 24.11688 C.57206 0.55260 0.57625 0.59298 C.56767 0.55260	B/A 0.844 0.844 0.851 0.875	S PHOTO 70 -20 AZPHAZ -90.2 -87.4 -87.2 -93.2 -92.9 -87.4	INCD 67.7 67.6 67.7 67.8 67.7	R 1759.57; PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 41.0 31.9 41.0 29.2	POD S V 2.600 ALPHA 28.0 26.0 30.7 29.7 25.1 26.0	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561	AZ 14.810 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTE DATA PHOTE DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.454 5 -10.737 -20.438 6 -10.738 -20.266	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880	AZS/C -57.0 -58.2 -62.0 1 -51.8 -58.2	AZN A 9.6 - 8.9 - 0.0 - 0.3 - 9.1 - 8.9 -	TAB  C TO 1MH 10.266  Z SUN	PACT 6 AZA 3.0 2.9 2.4 3.1	ALT 24.11688 C.57206 0.55260 0.57625 0.59298 C.56767 0.55260	B/A 0.844 0.844 0.851 0.875	S PHOTO 70 -20 AZPHAZ -90.2 -87.4 -87.2 -93.2 -92.9	INCD 67.7 67.6 67.7 67.8 67.7	R 1759.57; PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 41.0 31.9 41.0 29.2	POD S V 2.600 ALPHA 28.0 26.0 30.7 29.7 25.1 26.0	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882	AZ 14.810 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
PHOTO DATA PHOTO DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.454 5 -10.737 -20.458 6 -10.736 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880	AZS/C -57.0 -58.2 -62.0 1 -51.8 -58.2	AZN A 9.6 8.9 0.0 9.1 8.9	TAB  C TO IMP 10.266 2 SUN	AZA 3.0 2.9 2.4 3.1 3.5 2.9	ALT 24.11688 C.57206 0.55260 0.57625 0.59298 C.56767 0.55260	ATLA B/A 0.874 0.875 0.836 0.814 0.851 0.875 ATLA:	S PHOTO  10 -20  AZPHAZ -90.2 -87.4 -87.2 -93.2 -93.2 -87.4  S PHOTO	INCD 67.7 67.6 67.7 67.8 67.7 67.8	178 1759.57: PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 33.2 41.0 31.9 41.0 29.2 179	POD S  V 2.6000  ALPHA 28.0 26.0 30.7 29.7 25.1 26.0 POD S	PTH -64-387 1:  SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561 EQUENCE NO	AZ 14.810 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7
PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.438 6 -10.736 -20.526 7 -10.661 -20.539	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880	AZS/C -57.0 -58.2 -62.0 1 -51.8 -58.2	AZN A 9.6 8.9 0.0 9.1 8.9	TAB  C TO IMM 10.266  2 SUN	PACT 6 AZA 3.0 2.4 3.1 3.5 2.9 NO	ALT 24-11688 A. C.572C6 0.572C6 0.57625 0.59298 C.56767 0.55260	LAT 2 -10.4 2 -10.4 6.844 0.875 0.834 0.875 0.814 0.851 0.875 ATLAS	TO -20  AZPHAZ -87.4 -87.2 -93.2 -93.2 -93.2 -93.4 S PHOTO	INCD 67.7 67.6 67.7 67.8 67.7 67.8	178 R 1759.57: PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.6 41.0 31.9 41.0 29.2 179	POD S  V 2.6000  ALPHA 28.0 26.0 30.7 29.7 25.1 26.0 POD S	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.3882 2.36561 EQUENCE NO	AZ 14.810 PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7 D 968
PHOTO DATA PHOTO DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.438 6 -10.736 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880	AZS/C -57.0 -58.2 -62.0 1 -51.8 -58.2	AZN A 9.6 8.9 0.0 9.1 8.9	TAB  C TO IMP 10.266 2 SUN	PACT 6 AZA 3.0 2.4 3.1 3.5 2.9 NO	ALT 24.11688 C.57206 0.55260 0.57625 0.59298 C.56767 0.55260	LAT 2 -10.4 2 -10.4 6.844 0.875 0.834 0.875 0.814 0.851 0.875 ATLAS	TO -20  AZPHAZ -87.4 -87.2 -93.2 -93.2 -93.2 -93.4 S PHOTO	INCD 67.7 67.6 67.7 67.8 67.7 67.8	178 R 1759.57: PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.6 41.0 31.9 41.0 29.2 179	POD S  V 2.6000  ALPHA 28.0 26.0 30.7 29.7 25.1 26.0 POD S	PTH -64-387 1:  SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561 EQUENCE NO	AZ 14.810 PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7 D 968
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  COUTO DATA  PT LAT LCN	RANGE 28.48327 27.55880 28.74572 29.57307 28.21768 27.55880 25 MIN 39	AZS/C 533 M  AZS/C -57.0 -58.2 -62.0 1 -56.0 1 -56.2 SEC 373 M	AZN A 9.6 - 8.9 - 0.0 - 9.1 - 8.9 -	TAB  C TO IMM 10.266  2 SUN	PACT 5 AZA 3.0 2.9 2.4 1 3.5 2.9 NO	ALT 24.11688  A.T 24.11688  C.57206 0.57625 0.59298 C.56767 0.55260 179  ALT 22.14714	B/A 0.844 0.875 0.836 0.814 0.875 ATLA:	TO -20  AZPHAZ -90.2 -87.4 -87.4 -91.2 -93.2 -93.2 -93.2 -93.2 -93.2 -87.4 S PHOTO	INCD 67.7 67.6 67.7 67.8 67.7 67.8 0 NO	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.6 41.0 31.4 41.0 29.2 179  R 1757.600	POD S  V 2 2.600  ALPHA 28.0 30.7 29.7 25.1 26.0  POD S	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.3882 2.36561 EQUENCE NO	AZ 14.810 PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7 D 968
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  CHOTO DATA  PT LAT LON 2 -10.692 -20.498	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880 25 MIN 39	AZS/C -57.0 -58.2 -62.0 1 -51.8 -58.2 SEC 373 M	AZN A 9.6 8.9 0.3 9.1 8.9 15.	TAB  C TO IMP 10.266  2 SUN	PACT 6 2.9 2.4 3.5 2.9 NO	ALT 24.11688  A. C.572C6 0.55260 0.57625 0.59298	ATLA  LAT 9 -10.4  8/A 0.844 0.875 0.814 0.851 0.875 ATLA:	S PHOTO  TO -20  AZPHAZ -90.2 -87.4 -87.4 S PHOTO  L  83 -20 -20.2 -30.2 -30.2 -30.2 -30.2 -30.2 -30.2	INCD 67.7 67.6 67.7 67.8 67.7 67.6 NO	178  R 1759.572  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.9 41.0 29.2 179  R 1757.602  PHAZ FMIS 38.6 32.4	POD S  V 2.6000  ALPHA 28.0 26.0 30.7 29.7 29.1 26.0 POD S  V 2.601	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561 EQUENCE NO PTH -64-369 1: SCALE 0.	AZ 14-810 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 D 968
PHOTO DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 6 -10.736 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LCN 2 -10.692 -20.498 3 -10.658 -20.593	RANGE 28,48327 27,55880 28,74572 29,57307 28,31768 27,55880 25 MIN 39 RANGE 26,16024 25,31137	AZS/C -57.0 -62.0 1 -56.0 1 -51.8 -58.2 SEC 373 M	AZN A 9.6 8.9 0.3 9.1 8.9 15.	TAB  C TO IMP 10.266  2 SUN	PACT 6 2.9 2.4 3.5 2.9 NO	ALT 24.11688  C.57206 0.557625 0.59298 C.56767 0.55260 179  ALT 22.14714 C.52540 0.50753	B/A 0.844 0.875 0.836 0.814 0.875 ATLA:	S PHOTO  TO -20  AZPHAZ -90.2 -87.4 -93.2 -93.2 -93.4 S PHOTO  83 -20  AZPHAZ -90.2 -87.4	INCD 67.7 67.6 67.7 67.8 67.7 67.6 NO	178  R 1759.572  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 35.6 41.0 29.2 179  R 1757.602  PHAZ FMIS 38.6 32.4 41.0 29.2	POD S  V 2.6000  ALPHA 28.0 26.0 30.7 29.7 29.7 25.1 26.0  POD S  V 2.601  ALPHA 28.0 26.0 26.0 26.0 26.0 26.0	PTH -64-387 1:  SCALE 0. 1.83892 2.55051 2.48056 2.43862 2.36561 EQUENCE NO PTH -64-369 1: SCALE 0. 1.68884	AZ 14.810 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 968  AZ 14.804 PT-PT 1-2 2-3 2-4 2-5 2-4 2-5 2-2 2-3 2-4 2-5 2-4 2-5 2-3 2-4 2-5 2-3 2-4 2-5 2-3 2-4 2-5 2-3 2-4 2-5 2-5 2-5 2-5 2-5 2-5 2-5 2-5 2-5 2-5
PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  CHOTO DAYA  PT LAT LCN 2 -10.659 -20.498 3 -10.659 -20.498 4 -10.655 -20.465	RANGE 28.48327 27.55860 28.74572 29.57307 28.31768 27.55880 25 MIN 39 RANGE 26.16024 25.31137 26.40114	AZS/C -57.0 -58.2 -62.0 1 -51.8 -58.2 SEC 373 M	AZN A 9.6	TAB  C TO IMP 10.266  ZSUN / 81.1 32  80.7 32  81.1 32  TAB  C TG IMP 9.426  LSUN / 82.2 33 81.1 32  80.1 32  80.1 32	PACT 6 AZA 3.0 22.4 3.1 32.9 PACT 6 AZA 3.0 22.9	ALT 24.11688  A. C.572C6 0.55260 0.57625 0.59298 C.56762 0.55260 179  ALT 22.14714 0.50753 0.52925 0.52925	B/A 0.844 0.875 ATLA: 0.844 0.875 ATLA: 0.844 0.875 0.8844 0.875 0.885	S PHOTO  70 -20  AZPHAZ -90.2 -87.4 -87.2 -92.9 -87.4 S PHOTO  83 -20  AZPHAZ -90.2 -87.4 -87.4 -87.4	INCD 67.7 67.6 67.7 67.6 67.7 67.6 NO	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.9 41.0 29.2 179  R 1757.603  PHAZ FMIS 38.6 32.4 41.0 29.2 6.4 33.2	POD S  V 2.6000  ALPHA 28.0 26.0 30.7 29.7 25.1 26.0 POD S  V 2.601  ALPHA 28.0 26.0 30.7 30.7 30.7	PTH -64-387 1: SCALE 0. 1.83.892 2.55051 2.48056 2.63882 2.36561 EQUENCE NO PTH -64-369 1: SCALE 0. 1.68884 2.34234	AZ 14-810 PT-PT 1-2 2-3 3-4-5 5-6-7 0 968 AZ 14-804 PT-PT 1-2 2-3 3-4-3 5-3 6-7
PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.692 -20.498 3 -10.659 -20.455 5 -10.728 -20.455 6 -10.729 -20.5531	RANGE 28,48327 27,55880 28,74572 29,5730 28,31768 27,55880 25 MIN 39 RANGE 26,16024 25,31137 26,40114 27,16075	AZS/C -57.0 -62.0 1 -56.0 1 -58.2 AZS/C -578.2 -62.0 1 -58.2 AZS/C -57.0 -58.2 -62.0 1 -56.0 1 -56.0 1 -56.0 1	AZN A 9.6 8.9 0.3 9.1 8.9 IS SE AZN A 9.6 8.9 0.0 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.5	TAB  C TO IMH 10.266 ZSUN / 82.2 33.81.1 33.80.7 32.81.1 33.4 33.4 33.4 33.4 33.81.1 33.4 33.4 33.4 33.4 33.4 33.4 33.4 3	NO  AZA  3.0  2.4  3.1  3.5  NO  PACT  6  ALA  3.0  2.9  3.1  3.0  3.1	ALT 24.11688  A. C. 57.206 0.55260 0.57625 0.59258	B/A -10.4  B/A 0.875 0.8814 0.875 ATLA:  LAT -10.4 0.875 0.8844 0.875 0.8844 0.875 0.8844	S PHOTO  70 -20  AZPHAZ -90.2 -87.4 -87.2 -92.9 -87.4  S PHOTO  83 -20  AZPHAZ -90.2 -91.2 -91.2 -91.2 -91.2 -91.2 -91.2 -91.2	940 INCD 67.7 67.6 67.7 67.8 67.8 67.7 67.6 NO	178  R 1759.572  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 33.2 41.0 29.2 179  R 1757.602  PHAZ FMIS 38.6 32.4 41.0 29.2 36.4 35.3	POD S  V 2.6000  ALPHA 28.0 26.0 30.7 29.7 25.1 26.0  POD S  V 2.601  ALPHA 28.0 26.0 30.7 29.7 29.7 29.7 29.7 29.7	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.38561 EQUENCE NO PTH -64-369 1: SCALE 0. 1.68884 2.27823	AZ 14-810 PT-PT 1-2 2-3 3-4 4-5 6-7 0 968 AZ 14-804 PT-PT 1-2 2-3 3-4 4-5
PHOTO DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 6 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR TRAJECTORY DATA CHOTO DATA PT LAT LON 2 -10.692 -20.458 3 -10.658 -20.465 5 -10.728 -20.450	RANGE 28,48327 27,55880 28,74572 29,5730 28,31768 27,55880 25 MIN 39 RANGE 26,16024 25,31137 26,40114 27,16075	AZS/C -57.0 -58.2 -62.0 1 -56.0 2 -51.8 -58.2 SEC 373 M	AZN A 9.6 - 9.8 - 0.0 - 0.3 - 9.1 - S SE AZN A 9.6 - 8.9 - 0.0 - 0.3 - 9.1 - 0.0 - 0.3 - 9.3 - 9.5 - 0.0 - 0.	TAB  C TO IMP 10.266  ZSUN / 81.1 32  80.7 32  81.1 32  TAB  C TG IMP 9.426  LSUN / 82.2 33 81.1 32  80.1 32  80.1 32	NO PACT 5  AZA AZA AZA AZA AZA AZA AZA AZA AZA	ALT 24.11688  A. C. 57.206 0.55260 0.57625 0.59258	B/A 0.844 0.875 0.875 0.875 ATLA: 0.844 0.851 0.76 0.844 0.838 0.814 0.838 0.814	TO -20  AZPHAZ -90.2 -87.4 -87.4 -87.4 S PHOTO  B3 -20  AZPHAZ -92.9 -87.4 S PHOTO	ON -940 INCD 67.7 67.6 67.7 67.6 67.7 67.6 NO ON -911 INCD 67.7 67.7 67.7 67.7	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.9 41.0 29.2 179  R 1757.603  PHAZ FMIS 38.6 32.4 41.0 29.2 6.4 33.2	POD S  V 2.600  ALPHA 28.0 26.0 30.7 29.7 25.1 26.0  POD S  V 2.601  ALPHA 28.0 26.0 30.7 29.7 29.7 25.1	PTH -64-387 1: SCALE 0. 1.83.892 2.55051 2.48056 2.63882 2.36561 EQUENCE NO PTH -64-369 1: SCALE 0. 1.68884 2.34234 2.27823	AZ 14-810 PT-PT 1-2 2-3 3-4-5 5-6-7 0 968  AZ 14-804 PT-PT 1-2 2-3 3-4-5 5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5
PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  DECRET DATA PT LAT LON 2 -10.692 -20.498 3 -10.659 -20.455 5 -10.728 -20.455 6 -10.729 -20.51	RANGE 28,48327 27,55880 28,74572 29,57307 28,31768 27,55880 25 MIN 39 RANGE 26,16024 25,31137 26,40114 27,16075 26,00820	AZS/C -57.0 -58.2 -62.0 1 -56.0 2 -51.8 -58.2 SEC 373 M	AZN A 9.6 - 9.8 - 0.0 - 0.3 - 9.1 - S SE AZN A 9.6 - 8.9 - 0.0 - 0.3 - 9.1 - 0.0 - 0.3 - 9.3 - 9.5 - 0.0 - 0.3 - 9.6 - 0.0 - 0.3 - 0.0 - 0.3 - 0.0 - 0.	TAB  C TG IMM 10.266 82.2 33 81.1 33 881.1 33 81.1 33 81.1 33 C TG IMM 9.426 2 SUN 4 82.2 33 880.7 34 80.7 36 80.7 36 80.7 36 80.7 36 80.7 36 80.7 36	PACT 6 33.0 22.9 23.4 1 33.5 22.9 NO	ALT 24.11688  A. C. 57206 0.55260 0.57625 0.59298 C. 56767 0.55260 179  ALT 22.14714  C. 52540 0.50753 0.52925 0.54461 0.52137 0.50753 0.52137 0.50753	ATLA  LAT -10.4  B/A 0.844 0.875 0.814 0.875 ATLA:  LAT -10.4  0.844 0.875 0.838 0.815 0.875	S PHOTO  70 -20  AZPHAZ -90.2 -87.4 -92.9 -87.4 S PHOTO  83 -20 -87.4 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2	INCD 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.9 1757.600  PHAZ FMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 29.2 36.4 35.6 41.0 29.2	POD S  V 2 2.600  ALPHA 28.0 26.0 30.7 29.7 25.1 26.0  POD S  V 2 2.601  ALPHA 28.0 26.0 30.7 29.7 25.1 26.0	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561 EQUENCE NO PTH -64-369 1: SCALE 0. 1.68884 2.34234 2.27823 2.42383 2.17279	AZ 14-810 PT-PT 1-2 2-3 3-4-5 5-6-7 0 968  AZ 14-804 PT-PT 1-2 2-3 3-4-5 5-6-7
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PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.454 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.692 -20.458 3 -10.658 -20.543 4 -10.655 -20.458 5 -10.728 -20.456 6 -10.729 -20.531 7 -10.658 -20.543  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880 25 MIN 39 RANGE 26.16024 25.31137 26.40114 27.16075 26.00820 25.31137	AZS/C -57.0 -62.0 1 -56.0 1 -58.2   AZS/C -57.0 -58.2   AZS/C -57.0 -62.0 1 -56.0 1 -51.8   AZS/C -57.0 8.2   -58.2	S SE  AZN A 9.6 8.9 0.3 9.1 8.9 15  SE  AZN A 9.6 8.9 0.3 9.1 8.9 0.3 9.1 8.9 0.3 9.1 8.9 0.3 9.1 8.9 0.3 9.1 8.9 0.3 9.1 8.9 0.3 0.3 8.9 0.3 0.3 8.9 0.3 0.3 8.9 0.3 0.3 8.9 0.3 0.3 8.9 0.3	TAB  C TG IMM 10.266  2 SUN	PACT  AZA  AZA  AZA  AZA  AZA  AZA  AZA	ALT 24.11688  A.T 24.11688  C.57206 0.55260 0.57625 0.59298 C.56767 0.55260 179  ALT 22.14714  C.52540 0.50753 0.52925 0.544611 0.52137 0.50753	ATLA  LAT -10.4  B/A 0.875 0.844 0.875 0.814 0.875 ATLA:  LAT 4 -10.4  0.674 0.875 0.838 0.815 0.875 ATLA:  LAT LAT LAT LAT LAT LAT LAT LAT LAT LA	S PHOTO  AZPHAZ -90.2 -87.4 -87.4 -97.2 -93.2 -90.2 -87.4 S PHOTO	INCD 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.8	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 35.6 41.0 31.9 41.0 29.2 179  R 1757.600  PHAZ FMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.8 41.0 29.2	POD S  2 2.600  ALPHA 28.0 26.0 POD S  V 2 2.601  ALPHA 28.0 26.0 26.0 POD S	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.43882 2.36561 EQUENCE NO PTH -64-369 1: SCALE 0. 1.68884 2.27823 2.47238 2.17279	AZ 14-810 PT-PT 1-2 2-3 3-4-5 6-7 0 968 AZ 14-804 PT-PT 1-2 2-3 3-4-5 5-6-7 0 969
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.438 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.658 -20.458 3 -10.658 -20.450 6 -10.728 -20.450 6 -10.729 -20.531 7 -10.658 -20.553  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 28.48327 27.55880 28.74572 29.5730 28.31768 27.55880 25 MIN 39 RANGE 26.16024 25.31137 26.40114 27.16075 26.00820 25.31137	AZS/C -57.0 -62.0 1 -56.0 1 -51.8 -58.2 SEC 373 M	S S S S S S S S S S S S S S S S S S S	TAB  C TG IMM 10.266  2 SUN	NO  AZA  AZA  AJO  2.9  NO  PACT  6  NO  PACT  6  NO  PACT  6  NO  PACT  6  NO	ALT 24.11688  A.T 24.11688  C.57266 0.55260 0.57625 0.59298 C.56767 0.55260 179  ALT 22.14714  C.52540 0.50753 C.52925 0.54461 C.52137 C.50753 180	ATLA  LAT -10.4  B/A 0.875 0.834 0.875 ATLA  LAT -10.4  0.845 0.815 0.875  ATLA  LAT -10.4  LAT -10.4  LAT -10.4  LAT -10.4  LAT -10.4	TO -20  AZPHAZ -90.2 -87.4 -87.4 -91.2 -93.2 -93.2 -92.9 -87.4 S PHOTO  AZPHAZ -90.2 -87.4 S PHOTO  AZPHAZ -90.2 -87.4 S PHOTO	ONO ON .940 INCD 67.7 67.67.7 67.67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 35.6 41.0 29.2 179  R 1757.600  PHAZ FMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 33.2 36.4 35.6 41.0 29.2 180	POD S  2 2.600  ALPHA 28.0 2 2.601  ALPHA 28.0 26.0 30.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882. 2.36561 EQUENCE NO. PTH -64-369 1: SCALE 0. 1.68884 2.27823 2.4234 2.77823 2.427823	AZ 14-810 PT-PT 1-2 2-3 3-4-5 6-7 0 968 AZ 14-804 PT-PT 1-2 2-3 3-4-5 5-6-7 0 969
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.454 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.692 -20.458 3 -10.658 -20.543 4 -10.655 -20.465 5 -10.728 -20.450 6 -10.729 -20.551 7 -10.658 -20.543  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PT LAT	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880 25 MIN 39 RANGE 26.16024 25.31137 26.40114 27.16075 26.00820 25.31137	AZS/C -57.0 -58.2 -62.0 1 -56.0 1 -51.8 -57.0 -58.2 SEC 373 M	S SE	TAB  C TO IMM 10.266  ZSUN / 682-2 33 81-1 32 883-7 32 81-1 32	B NO  AZA  3.0  2.9  2.4  3.1  3.5  2.9  NO  PACT  6  AZA  B NO  PACT  6  AZA	ALT 24.11688  A.T 24.11688  C.57266 0.55260 0.57625 0.59298 C.56767 0.55260 179  ALT 22.14714  C.52540 0.50753 C.52925 0.54461 C.52137 C.50753 180	ATLA  LAT -10.4  B/A 0.875 0.834 0.875 ATLA  LAT -10.4  0.845 0.815 0.875  ATLA  LAT -10.4  LAT -10.4  LAT -10.4  LAT -10.4  LAT -10.4	TO -20  AZPHAZ -90.2 -87.4 -87.4 -91.2 -93.2 -93.2 -92.9 -87.4 S PHOTO  AZPHAZ -90.2 -87.4 S PHOTO  AZPHAZ -90.2 -87.4 S PHOTO	ONO ON .940 INCD 67.7 67.67.7 67.67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 35.6 41.0 29.2 179  R 1757.600  PHAZ FMIS 38.6 32.4 41.0 29.2 36.4 33.2 36.4 33.2 36.4 35.6 41.0 29.2 180	POD S  2 2.600  ALPHA 28.0 2 2.601  ALPHA 28.0 26.0 30.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561 EQUENCE NO PTH -64-369 1: SCALE 0. 1.68884 2.27823 2.42382 2.17279 EQUENCE NO	AZ 14-810 PT-PT 1-2 2-3 3-4-5-6-7 0 968  AZ 14-804 PT-PT 1-2 2-3 3-4-5-6-7 0 969  AZ 14-799 PT-PT
PHOTO DATA PHOTO DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.438 6 -10.736 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.692 -20.458 3 -10.658 -20.543 4 -10.655 -20.465 6 -10.729 -20.531 7 -10.658 -20.543  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 6 -10.729 -20.551 7 -10.658 -20.543  PHOTO DATA PT LAT LON 1 RAJECTORY DATA PT LAT LON 2 -10.687 -20.566	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880 25 MIN 39 RANGE 26.16024 25.31137 26.40114 27.16075 26.00820 25.31137	AZS/C -57.0 -62.0 1 -56.0 1 -51.8 -58.2 SEC 213 M	S S S S S S S S S S S S S S S S S S S	TAB  C TG IMM 10.266  2 SUN	AZA  AZA  AZA  AZA  AZA  AZA  AZA  AZA	ALT 24.11688  C.57206 0.557625 0.59298 C.56767 0.55260  179  ALT 22.14714  C.52540 0.50753 0.52925 0.54461 0.50753 180  ALT 20.17686	### ATLA  ### -10.4  ### -10.4  ### -10.4  ### -10.4  ### -10.4  ### -10.4  ### -10.4  ### -10.4  ### -10.4  ### -10.4  #### -10.4  #### -10.4  #### -10.4  #### -10.4  #### -10.4  #### -10.4  #### -10.4  ##### -10.4  ###################################	S PHOTO  AZPHAZ -90.2 -87.4 -87.4 -87.4 S PHOTO  83 -20 -87.4 S PHOTO  20.2 -87.4 S PHOTO  21.2 -92.9 -87.4 S PHOTO	ONO  INCD  INCD  67.6 67.7 67.6 67.6 67.8 67.8 67.8 67.	178  R 1759.572  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.8 41.0 29.2 179  R 1757.602  PHAZ FMIS 38.6 32.4 41.0 31.8 41.0 29.2 180  R 1755.632  PHAZ EMIS 88.6 32.4	POD S  2 2.600  ALPHA 28.0 2 2.601  ALPHA 28.0 2 2.601  ALPHA 28.0 2 2.601  ALPHA 28.0 20.0  POD S  V 2 2.603  ALPHA 28.0  ALPHA 28.0  ALPHA 28.0	PTH -64-387 1:  SCALE 0. 1.83892 2.55051 2.48056 2.43882 2.36561 EQUENCE NO  PTH -64-369 1: SCALE 0. 1.68884 2.34234 2.7723 2.42338 2.17279 EQUENCE NO  PTH -64-351 1: SCALE 0.	AZ 14-810 PT-PT 1-2 2-3 3-4 4-5 6-7 0 968  AZ 14-804 PT-PT 1-2 2-3 3-4 4-5 6-7 0 969  AZ 14-799 PT-PT 1-2
PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.692 -20.498 3 -10.659 -20.458 5 -10.728 -20.450 6 -10.729 -20.531 7 -10.658 -20.543  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON  TRAJECTORY DATA  PT LAT LON 2 -10.687 -20.506	RANGE 28,48327 27,55880 28,74572 29,57307 28,31768 27,55880 25 MIN 39 RANGE 26,16024 25,31137 26,40114 27,16075 26,00820 25,31137	AZS/C -57.0 -58.2 -62.0 1 -56.2 -57.0 -58.2 -51.8 -58.2 SEC 373 M	S SE  AZN A P 9.6 8.9	TAB  C TG IMM 10.266 250N / 82.2 33 81.1 32 83.4 33 81.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 85.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32	R NO  PACT  6  AZA  3-0  2-9  1-0  1-0  1-0  1-0  1-0  1-0  1-0  1	ALT 24.11688  A.T 24.11688  C.57206 0.55260 0.57625 0.59298 C.56767 0.55260  179  ALT 22.14714  C.52540 0.50753 0.52925 0.54461 C.52137 C.50753 180  ALT 20.17686	ATLA  LAT -10.4  B/A 0.875 0.814 0.875 ATLA:  0.875  ATLA:  0.875 ATLA:  0.875 ATLA:  0.875 ATLA:  0.875 ATLA:  0.875 ATLA:  0.875 ATLA:  0.875 ATLA:	S PHOTO  70 -20  AZPHAZ -90.2 -87.4 -87.4 -93.2	ONO  INCD 67.7 67.6 67.7 67.6 67.7 67.8 67.7 67.8 67.7 67.6 ONO  ON .883 INCD 67.7 67.6	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.9 179  R 1757.600  PHAZ FMIS 38.6 32.4 41.0 29.2 180  PHAZ EMIS 38.6 32.4 41.0 29.2	POD S  2 2.600  ALPHA 28.0 26.0 POD S  2 2.601  ALPHA 28.0 26.0 POD S  2 2.601  ALPHA 28.0 26.0 POD S	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561 EQUENCE NO PTH -64-369 1: SCALE 0. 1.68884 2.27823 2.42338 2.17279 EQUENCE NO PTH -64-351 1: SCALE 0. 1.53869	AZ 14-810 PT-PT 1-2 2-3 3-4 4-5 6-7 0 968 AZ 14-804 PT-PT 1-2 2-3 4-5 5-6 6-7 0 969
PHOTO DATA  PY LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.458 6 -10.736 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.692 -20.498 3 -10.692 -20.498 3 -10.693 -20.545 5 -10.728 -20.553  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.655 -20.545 5 -10.729 -20.551 7 -10.658 -20.543  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.687 -20.506 3 -10.656 -20.547 4 -10.655 -20.465 5 -10.720 -20.551	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880 25 MIN 39 RANGE 26.16024 25.31137 26.40114 27.16075 26.00820 25.31137	AZS/C -57.0 -58.2 -62.0 1 -51.8 -58.2 SEC 213 M	S SE  AZN A P 9.6 8.9	TAB  C TG IMM 10.266 250N / 82.2 33 81.1 32 83.4 33 81.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 84.1 32 85.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32 86.1 32	R NO  PACT  6  AZA  3-0  2-9  1-3-1  3-5  2-9  NO  PACT  6  NO  PACT  6  NO  PACT  6  AZA  3-0  2-9  1-0  1-0  1-0  1-0  1-0  1-0  1-0  1	ALT 24.11688  A. C. 572C6 0.55260 0.57625 0.59298 C.55767 0.55260 179  ALT 22.14714 0.50753 0.52925 0.54461 0.52137 0.50753 180  ALT 20.17686	ATLA:  B/A 0.844 0.875 0.814 0.875 ATLA:  1.4 -10.44 0.875 ATLA:  0.844 0.875 ATLA:  0.844 0.875 ATLA:  0.845 0.875 ATLA:	S PHOTO  70 -20  AZPHAZ -90.2 -87.4 -87.2 -93.2 -93.2 -87.4 S PHOTO  83 -20 -87.4 -87.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -87.4 S PHOTO	O NO  INCD 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67.6 67.7 67 67.7 67 67 67 67 67 67 67 67 67 67 67 67 67	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.9 41.0 29.2 179  R 1757.603  PHAZ FMIS 38.6 32.4 41.0 31.8 41.0 29.2 36.4 35.6 41.0 31.8 R 1755.633  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.8 R 1755.633	POD S  2 2.600  ALPHA 28.0 26.0 30.7 25.1 26.0  POD S  2 2.601  ALPHA 28.0 26.0 26.0 POD S  2 2.601  ALPHA 28.0 26.0 POD S	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561 EQUENCE NC PTH -64-369 1: SCALE 0. 1.68884 2.27823 2.42338 2.17279 EQUENCE NC	AZ 14-810 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 968 AZ 14-804 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 969 PT-PT 1-2 2-3 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3
PHOTO DATA PHOTO DATA PT LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.456 5 -10.737 -20.458 6 -10.738 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LCN 2 -10.652 -20.458 3 -10.658 -20.543  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LON 2 -10.657 -20.450 6 -10.729 -20.536 3 -10.658 -20.543  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.687 -20.506 3 -10.656 -20.547 6 -10.720 -20.456 5 -10.720 -20.456	RANGE 28.48327 27.55880 28.74572 29.57307 28.31768 27.55880 25 MIN 39 RANGE 26.16024 25.31137 26.40114 27.16075 26.00820 25.31137 25.41137 26.4014 27.16075 26.00820 25.31137 26.40124 27.16075 26.4014 27.16075 26.4014 27.16075 26.4014 27.16075 26.4014 27.16075 26.4014 27.16075 26.4014 27.16075 26.4014 27.16075 26.4014 27.16075 26.4014 27.16075 26.4014 27.16075 27.4014 27.16075 27.4014 27.16075 27.4014 27.16075 27.4014 27.16075 27.4014 27.16075 27.4014 27.16075 27.4014 27.16075 27.4014 27.16075 27.4014 27.4	AZS/C -57.0 -62.0 1 -56.0 1 -58.2 SEC 213 M	S SE  AZN A 9.6 - 8.9 - 0.0 - 9.1 - 8.9 - 9.1 - 8.9 - 9.1 - 8.9 - 9.1 - 8.9 - 9.1 -	TAB  C TG IMM 10.266  2 SUN	AZA  AZA  AZA  AZA  AZA  AZA  AZA  AZA	ALT 24.11688  A.T 24.11688  C.57206 0.55260 0.57625 0.59298 C.56767 0.55260  179  ALT 22.14714  A. C.52540 0.50753 0.52925 0.54461 C.52137 0.50753 180  ALT 20.17686	ATLA  LAT -10.4  B/A 0.874 0.875 0.814 0.875 ATLA:  -10.4	S PHOTO  70 -20  AZPHAZ -90.2 -87.4 -93.2 -92.9 -87.4 S PHOTO  83 -20  87 -4 S PHOTO  AZPHAZ -90.2 -87.4 S PHOTO  AZPHAZ -90.2 -93.2 -93.2 -93.2 -93.2 -93.2	ONO  INCD 67.7 67.6 67.7 67.6 67.7 67.8 67.7 67.8 67.7 67.8 67.7 67.6 ONO  ON .883  INCD 67.7 67.6 67.7 67.6 67.7	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 29.2 179  R 1757.600  PHAT FMI: 38.6 32.4 41.0 29.2 36.4 35.6 41.0 29.2 180  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 29.2 36.4 35.6 32.4 41.0 31.6 41.0 29.2 36.4 35.6 32.4 41.0 39.2 36.4 35.6 32.4 41.0 39.2 36.4 35.6 41.0 39.2 36.4 35.6 43.2 36.4 35.6 435.6	POD S  2 2.600  ALPHA 28.0 26.0  9 7 29.7 29.7 29.7 26.0  POD S  V 2 .601  ALPHA 28.0 26.0  POD S  V 2 .603  ALPHA 28.0 26.0  POD S	PTH -64-387 1:  SCALE 0. 1.83892 2.55051 2.48056 2.43882 2.36561 EQUENCE NO  PTH -64-369 1:  SCALE 0. 1.68884 2.27823 2.17279 EQUENCE NO  PTH -64-351 1:  SCALE 0. 1.53869 2.13407 2.07560	AZ 14-810 PT-PT 1-2 2-3 3-4 4-5 6-7 0 968 AZ 14-804 PT-PT 1-2 2-3 4-5 5-6 6-7 0 969 PT-PT 1-2 2-3 3-4 4-5 5-6
PHOTO DATA  PY LAT LON 2 -10.698 -20.490 3 -10.661 -20.539 4 -10.657 -20.458 5 -10.737 -20.458 6 -10.736 -20.526 7 -10.661 -20.539  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.692 -20.498 3 -10.692 -20.498 3 -10.693 -20.545 5 -10.728 -20.553  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LCN 2 -10.655 -20.545 5 -10.729 -20.551 7 -10.658 -20.543  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.687 -20.506 3 -10.656 -20.547 4 -10.655 -20.465 5 -10.720 -20.551	RANGE 28,48327 27,55880 28,74572 29,57307 28,31768 27,55880 25 MIN 39 RANGE 26,16024 25,31137 26,40114 27,16075 26,00820 25,31137 25 MIN 40 RANGE 23,83600 23,06271 24,05534 24,74721	AZS/C -57.0 -62.0 1 -56.0 1 -51.8 -58.2 AZS/C -57.0 -58.2 -62.0 1 -51.8 -58.2 AZS/C -57.0 -56.0 1 -51.8 -58.2	S SE  AZN A 9.6 - 8.9	TAB  C TO IMM 10.266 ZSUN / 682.2 33 81.1 32 883.4 33 883.7 33 881.1 32 882.2 33 881.1 32 883.7 33 881.1 32 883.7 33 881.1 32 882.2 33 881.1 32 883.7 33 883.7 33 883.7 33 883.7 33	AZA  AZA  AZA  AZA  AZA  AZA  AZA  AZA	ALT 24.11688  A. C. 57206 0.55260 0.57625 0.59298 C. 56762 0.55260 179  ALT 22.14714 0.50753 0.52925 0.54461 0.50753 180  ALT 20.17686 A. C. 47872 0.47872 0.47872 0.47872 0.49622 0.49622 0.49622 0.47505	ATLA  LAT -10.4  B/A 0.844 0.875 0.834 0.8875  ATLA:  1.4 -10.4 0.875 0.844 0.875 0.8845 0.814 0.875 0.875 0.8845 0.814 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875 0.875	S PHOTO  70 -20  AZPHAZ -90.2 -87.4 -87.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2 -93.2	O NO  INCD 67.7 67.6 67.7 67.6 67.7 67.6 67.7	178  R 1759.573  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.9 41.0 29.2 179  R 1757.603  PHAZ FMIS 38.6 32.4 41.0 31.8 41.0 29.2 36.4 35.6 41.0 31.8 R 1755.633  PHAZ EMIS 38.6 32.4 41.0 29.2 36.4 35.6 41.0 31.8 R 1755.633	POD S  2 2.600  ALPHA 28.0 26.0 30.7 25.1 26.0  POD S  2 2.601  ALPHA 28.0 26.0 26.0 POD S  2 2.601  ALPHA 28.0 26.0 POD S	PTH -64-387 1: SCALE 0. 1.83892 2.55051 2.48056 2.63882 2.36561 EQUENCE NC PTH -64-369 1: SCALE 0. 1.68884 2.27823 2.42338 2.17279 EQUENCE NC	AZ 14-810 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 969  AZ 14-799 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 969

RA-VII CAMERA P3.

	RA-VII CAMER	A P3.
	TAB NO	181 ATLAS PHOTO NO 181 POD SEQUENCE NO 970
JULY 31,1964 13 HR 25 MIN 41 SEC 53 MS		
TRAJECTORY DATA	SEC TO IMPACT 7.747	ALT LAT LON R V PTH AZ 18.20596 -10.509 -20.854 1753.661 2.604 -64.332 114.793
PHOTO DATA	75. 47.5(1). 47.4	A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PI-PI
PHOTC DATA PT LAT LCN RANGE AZS/C A 2 -10.681 -20.514 21.51041 -57.0 9 3 -10.653 -20.551 20.61274 -58.2 8	.6 -82.2 33.0	C.432C2 0.845 -90.2 67.7 38.6 32.4 27.9 0. 1-2 0.41733 0.875 -87.4 67.6 41.0 29.2 25.9 1.38848 2-3
4 -10.650 -20.486 21.70822 -62.0 10	.0 -80.7 32.5	C.43517 C.838 -87.2 67.7 36.4 33.2 30.6 1.92573 3- 4
5 -10.711 -20.474 22.33239 -56.0 10	.3 -83.4 33.1 .1 -83.7 33.5	0.44780 0.814 +93.2 67.7 36.4 35.6 29.7 1.87307 4- 5
	.9 -81.1 32.9	C.42870 C.851 -92.9 67.6 41.0 31.8 25.1 1.99227 5- 6 C.41733 C.875 -87.4 67.6 41.0 29.2 25.9 1.78645 6- 7
	TAB NO	182 ATLAS PHOTO NO 182 POD SEQUENCE NO 971
JULY 31,1964 13 HR 25 MIN 41 SEC 893 MS		
TRAJECTURY DATA	SEC TO IMPACT 6.907	ALT LAT LCN R V. <u>PIH AZ</u> 16.23447 -10.522 -20.826 1751.690 2.605 -64.314 114.788
PHOTO DATA  PT LAT LCN RANGE AZSZC A	7N AZSUN AZA	
PHOTO DATA PT LAT LCN RANGE AZS/C A 2 -10.676 -20.522 19.18353 -57.0 9 3 -10.651 -20.555 18.56148 -58.2 8	.6 -82.2 33.0	C.38528 0.845 -90.2 67.7 38.6 32.4 27.9 0. 1- 2 C.37219 0.875 -87.4 67.6 41.C 29.1 25.9 1.23817 2- 3
3 +10.651 -20.555 18.56148 -56.2 5 4 -10.648 -20.497 19.35982 -62.0 10	.9 -81.1 32.9 .0 -80.7 32.5	Ua 18809 Ua 838 -8/a2 0(a/ 30a4 33a2 30a0
5 -10.702 -20.486 19.91626 -56.0 10	.2 -83.4 33.1	0.39935 0.815 -93.2 67.7 36.4 35.6 29.7 1.67034 4- 5
	.1 -83.7 33.5 .9 -81.1 32.9	C.38233 C.851 -92.9 67.6 41.0 31.8 25.1 1.77658 5- 6 C.37219 C.875 -87.4 67.6 41.0 29.1 25.9 1.59312 6- 7
7 10.031 20.333 10.301.0 3012	TAB NO	
JULY 31,1964 13 HR 25 MIN 42 SEC 733 MS		
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON R V PTH AZ 14.26222 -10.535 -2C.797 1749.718 2.606 -64.295 114.782
PHOTO DATA		A* 8/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LCN RANGE AZS/C A	ZN AZSUN AZA -6 -82-2 33-0	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 0.33852 0.845 -90.2 67.7 38.6 32.4 27.9 0. 1-2 0.32701 0.875 -87.4 67.6 41.0 29.1 25.9 1.08789 2-3
3 -10.648 -20.559 16.30874 -58.2 8	.9 -81.1 32.9	C.327C1 O.875 -87.4 67.6 41.0 29.1 25.9 1.08789 2- 3
4 -10.646 -20.508 17.00995 -62.0 10	.0 -80.7 32.5	0.34099 0.838 -87.2 67.7 36.4 33.2 30.6 1.50876 3- 4 0.35087 0.815 -93.2 67.7 36.4 35.6 29.7 1.46752 4- 5
6 -10.694 -20.551 16.75726 -51.8	.1 -83.7 33.5	C.33592 C.851 -92.9 67.6 41.0 31.8 25.1 1.56081 5- 6
7 -10.648 -20.559 16.308/4 -58.2 8	.9 -81.1 32.9	C.327C1 0.875 -87.4 67.6 41.0 29.1 25.9 1.39979 6- 7
	TAB NO	
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS	TAB NO	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973
JULY 31,1964 13 HR 25 MIA 43 SEC 573 MS	TAB NO	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 12 28938 -10-548 -20-768 1747-745 2-607 -64-277 114-777
JULY 31,1964 13 HR 25 MIA 43 SEC 573 MS	TAB NO	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 12 28938 -10-548 -20-768 1747-745 2-607 -64-277 114-777
JULY 31,1964 13 HR 25 MIA 43 SEC 573 MS	TAB NO	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777
JULY 31,1964 13 HR 25 MIA 43 SEC 573 MS	TAB NO	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 2-10.665 -20.538 14.52553 -57.0 4 3 -10.646 -20.563 14.05874 -58.2 6 4 -10.644 -20.515 14.65885 -62.0 16 5 -10.685 -20.511 15.07987 -56.0 16	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZA 6.6 -82.2 33.0 19 -81.1 32.9 10 -80.7 32.5 1.2 -83.4 33.1	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 0.29173 0.645 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 0.29386 0.838 -87.2 67.7 36.4 33.2 30.6 1.30012 3-4 (3.30237 0.815 -93).2 67.7 36.4 35.6 29.6 1.26469 4-5
JULY 31,1964 13 HR 25 MIA 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 3 -10.646 -20.563 14.05474 -58.2 4 -10.644 -20.519 14.65883 -62.0 16 5 -10.685 -20.511 15.07987 -56.0 16 -10.685 -20.556 14.41114 -51.8	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZA .6 -82-2 33.0 .9 -81.1 32-9 .0 -80.7 32.5 .2 -83.4 33.1 .1 -83.7 33.5	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 C.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 C.29386 0.838 -87.2 67.7 36.4 35.6 29.6 1.30012 3-4 C.30237 0.815 -93.2 67.7 36.4 35.6 29.6 1.26469 4-5 C.289999 0.851 -92.9 67.6 41.0 31.8 25.1 1.34951 5-6
JULY 31,1964 13 HR 25 MIA 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 3 -10.646 -20.563 14.05474 -58.2 4 -10.644 -20.519 14.65883 -62.0 16 5 -10.685 -20.511 15.07987 -56.0 16 -10.685 -20.556 14.41114 -51.8	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZA .6 -82.2 33.0 .9 -81.1 32.9 .0 -80.7 32.5 .2 -83.4 33.1 .1 -83.7 33.5 .9 -81.1 32.9	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -2C.768 1747.745 2.607 -64.277 114.777  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 0.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 0.29366 0.838 -87.2 67.7 36.4 33.2 30.6 1.30012 3-4 0.30237 0.815 -93.2 67.7 36.4 33.6 29.6 1.26469 4-5 0.28949 0.851 -92.9 67.6 41.0 31.8 25.1 1.34495 5-6 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7
JULY 31,1964 13 HR 25 MIA 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 3 -10.646 -20.563 14.05474 -58.2 4 -10.644 -20.519 14.65883 -62.0 16 5 -10.685 -20.511 15.07987 -56.0 16 -10.685 -20.556 14.41114 -51.8	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZSUN AZA 6.6 -82.2 33.0 1.9 -81.1 32.9 1.0 -80.7 32.5 1.1 -83.7 33.5 1.9 -81.1 32.9 TAB NO	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 0.29386 0.838 -87.2 67.7 36.4 33.2 30.6 1.30012 3-4 0.30237 0.815 -93.2 67.7 36.4 35.6 29.6 1.26469 4-5 0.28949 0.851 -92.9 67.6 41.0 31.8 25.1 1.34495 5-6 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7 185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 6 3 -10.646 -20.563 14.05474 -58.2 4 -10.644 -20.519 14.65863 -62.0 16 5 -10.685 -20.511 15.07967 -56.0 16 6 -10.685 -20.556 14.44110 -51.8 6 7 -10.646 -20.563 14.05474 -58.2 6	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZSUN AZA 6.6 -82.2 33.0 1.9 -81.1 32.9 1.0 -80.7 32.5 1.1 -83.7 33.5 1.9 -81.1 32.9 TAB NO	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 0.29386 0.838 -87.2 67.7 36.4 33.2 30.6 1.30012 3-4 0.30237 0.815 -93.2 67.7 36.4 35.6 29.6 1.26469 4-5 0.28949 0.851 -92.9 67.6 41.0 31.8 25.1 1.34495 5-6 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7 185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 6 3 -10.666 -20.563 14.52553 -57.0 6 4 -10.644 -20.519 14.65883 -62.0 10 5 -10.685 -20.511 15.07997 -56.0 10 6 -10.685 -20.556 14.44116 -51.8 6 7 -10.646 -20.563 14.05474 -58.2 6  JULY 31,1964 13 HR 25 MIN 44 SEC 413 MS  TRAJECTORY DATA	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZA 6.6 -82.2 33.0 1.9 -81.1 32.9 1.0 -80.7 32.5 1.2 -83.4 33.1 1.1 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 4.387	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A** B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 0.29173 0.645 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.6975 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 0.29366 0.638 -87.2 67.7 36.4 35.6 29.6 1.30012 3-4 0.30237 0.815 -93.2 67.7 36.4 35.6 29.6 1.26469 4-5 0.28182 0.675 -67.4 67.6 41.0 29.1 25.9 1.20626 6-7 185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 6 3 -10.666 -20.563 14.52553 -57.0 6 4 -10.644 -20.519 14.65883 -62.0 10 5 -10.685 -20.511 15.07997 -56.0 10 6 -10.685 -20.556 14.44116 -51.8 6 7 -10.646 -20.563 14.05474 -58.2 6  JULY 31,1964 13 HR 25 MIN 44 SEC 413 MS  TRAJECTORY DATA	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZA 6.6 -82.2 33.0 1.9 -81.1 32.9 1.0 -80.7 32.5 1.2 -83.4 33.1 1.1 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 4.387	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -2C.768 1747.745 2.607 -64.277 114.777  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 C.29396 0.838 -87.2 67.7 36.4 35.6 29.6 1.30012 3-4 C.30237 0.815 -93.2 67.7 36.4 35.6 29.6 1.26469 4-5 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LCN R V PTH AZ 10.31599 -10.561 -2C.740 1745.771 2.609 -64.258 114.771
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 6 3 -10.666 -20.563 14.52553 -57.0 6 4 -10.646 -20.519 14.65883 -62.0 10 5 -10.685 -20.511 15.07907 -56.0 10 6 -10.685 -20.551 15.07907 -56.0 10 7 -10.646 -20.563 14.05474 -58.2 0 JULY 31,1964 13 HR 25 MIN 44 SEC 413 MS  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.659 -20.564 12.19456 -57.0 6 3 -10.643 -20.567 11.19941 -58.2	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZSUN 1.6 -82.2 33.0 1.9 -81.1 32.9 1.1 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 4.387  ZN AZSUN AZSUN AZSUN 1.5 -82.7 33.0 1.9 -81.1 32.9	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 C.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 C.29386 0.838 -87.2 67.7 36.4 35.6 29.6 1.26469 4-5 C.28189 0.851 -93.2 67.7 36.4 35.6 29.6 1.26469 4-5 C.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LCN R V PTH AZ 10.31599 -10.561 -20.740 1745.771 2.609 -64.258 114.771  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.24492 0.885 -90.2 67.6 38.6 32.3 27.9 0. 1-2 C.23490 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 6 3 -10.666 -20.563 14.52553 -57.0 6 4 -10.646 -20.519 14.65883 -62.0 10 5 -10.685 -20.511 15.07907 -56.0 10 6 -10.685 -20.551 15.07907 -56.0 10 7 -10.646 -20.563 14.05474 -58.2 0 JULY 31,1964 13 HR 25 MIN 44 SEC 413 MS  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.659 -20.564 12.19456 -57.0 6 3 -10.643 -20.567 11.19941 -58.2	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZSUN 1.6 -82.2 33.0 1.9 -81.1 32.9 1.1 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 4.387  ZN AZSUN AZSUN AZSUN 1.5 -82.7 33.0 1.9 -81.1 32.9	ALT LAT LCN R V PTH AZ 1.20938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 0.29386 0.838 -87.2 67.7 36.4 35.6 29.6 1.26469 4-5 0.28047 0.815 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7 1.20626 0.838 -87.2 67.7 36.4 35.6 29.6 1.26469 4-5 0.28048 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7 1.20626 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7 1.20626 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7 1.20626 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7 1.20626 0.875 -87.4 67.6 41.0 29.1 25.9 0.8651 14.771 2.609 -64.258 114
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JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 3 -10.646 -20.563 14.05474 -58.2 4 -10.644 -20.519 14.65883 -62.0 15 -10.685 -20.511 15.07997 -56.0 6 -10.685 -20.556 14.05474 -58.2 6 -10.685 -20.556 14.05474 -58.2  JULY 31,1964 13 HR 25 MIN 44 SEC 413 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 2 -10.659 -20.566 12.19456 -57.0 3 -10.643 -20.567 11.79941 -58.2 4 -10.659 -20.567 11.79941 -58.2 5 -10.676 -20.523 12.65974 -56.0 16 -10.676 -20.567 11.79941 -58.2  JULY 31,1964 13 HR 25 MIN 45 SEC 253 M  TRAJECTORY DATA  PHOTO DATA	TAB NO  SEC TO IMPACT 5.227  IZN AZSUN AZSUN 1.6 -82.2 33.0 1.9 -81.1 32.9 1.0 -80.7 32.5 1.2 -83.4 33.1 1.1 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 4.387  IZN AZSUN AZA 1.5 -82.2 33.0 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 3.54 1.1 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 3.54 1.1 -83.7 33.5 1.2 -83.4 33.1 1.3 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 3.547  AZN AZSUN AZA	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 C.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 C.29386 0.838 -87.2 67.7 36.4 35.6 29.6 1.26409 4-5 C.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LCN R V PTH AZ 10.31599 -10.561 -20.740 1745.771 2.609 -64.258 114.771  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.24492 0.885 -90.2 67.6 38.6 32.3 27.9 0. 1-2 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.839 -87.2 67.7 36.4 35.5 29.6 1.06166 4-5 C.24364 0.851 -92.9 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.839 -87.2 67.7 36.4 35.5 29.6 1.06166 4-5 C.24364 0.851 -92.9 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.839 -87.2 67.7 36.4 35.5 29.6 1.06166 4-5 C.24364 0.851 -92.9 67.6 41.0 29.1 25.9 1.01272 6-7  186 ATLAS PHOTO NO 186 POD SEQUENCE NO 975  ALT LAT LON R V PTH AZ 8.34204 -10.574 -20.711 1743.797 2.610 -64.240 114.766  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.20088 0.875 -87.4 67.6 41.0 29.1 25.9 1.01272 6-7
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 3 -10.646 -20.563 14.05474 -58.2 4 -10.644 -20.519 14.65883 -62.0 15 -10.685 -20.511 15.07997 -56.0 6 -10.685 -20.556 14.05474 -58.2 6 -10.685 -20.556 14.05474 -58.2  JULY 31,1964 13 HR 25 MIN 44 SEC 413 MS  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C 2 -10.659 -20.566 12.19456 -57.0 3 -10.643 -20.567 11.79941 -58.2 4 -10.659 -20.567 11.79941 -58.2 5 -10.676 -20.523 12.65974 -56.0 16 -10.676 -20.567 11.79941 -58.2  JULY 31,1964 13 HR 25 MIN 45 SEC 253 M  TRAJECTORY DATA  PHOTO DATA	TAB NO  SEC TO IMPACT 5.227  IZN AZSUN AZSUN 1.6 -82.2 33.0 1.9 -81.1 32.9 1.0 -80.7 32.5 1.2 -83.4 33.1 1.1 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 4.387  IZN AZSUN AZA 1.5 -82.2 33.0 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 3.54 1.1 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 3.54 1.1 -83.7 33.5 1.2 -83.4 33.1 1.3 -83.7 33.5 1.9 -81.1 32.9  TAB NO  SEC TO IMPACT 3.547  AZN AZSUN AZA	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1-2 C.28182 0.875 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 C.29386 0.838 -87.2 67.7 36.4 35.6 29.6 1.26409 4-5 C.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LCN R V PTH AZ 10.31599 -10.561 -20.740 1745.771 2.609 -64.258 114.771  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.24492 0.885 -90.2 67.6 38.6 32.3 27.9 0. 1-2 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.839 -87.2 67.7 36.4 35.5 29.6 1.06166 4-5 C.24364 0.851 -92.9 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.839 -87.2 67.7 36.4 35.5 29.6 1.06166 4-5 C.24364 0.851 -92.9 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.839 -87.2 67.7 36.4 35.5 29.6 1.06166 4-5 C.24364 0.851 -92.9 67.6 41.0 29.1 25.9 1.01272 6-7  186 ATLAS PHOTO NO 186 POD SEQUENCE NO 975  ALT LAT LON R V PTH AZ 8.34204 -10.574 -20.711 1743.797 2.610 -64.240 114.766  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.20088 0.875 -87.4 67.6 41.0 29.1 25.9 1.01272 6-7
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2-10.665 -20.538 14.52553 -57.0 6 3 -10.665 -20.538 14.52553 -57.0 6 4 -10.646 -20.563 14.05474 -58.2 8 4 -10.646 -20.551 1.05474 -58.2 8 5 -10.685 -20.511 15.07997 -56.0 16 6 -10.685 -20.551 15.07997 -56.0 16 7 -10.646 -20.563 14.05474 -58.2 8  JULY 31,1964 13 HR 25 MIN 44 SEC 413 MS  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LCN RANGE AZS/C 2-10.659 -20.546 12.19456 -57.0 3-10.643 -20.567 11.79941 -58.2 8 4 -10.642 -20.530 12.30540 -62.0 16 6 -10.676 -20.523 12.65974 -56.0 16 6 -10.676 -20.561 12.12376 -51.8 7 -10.643 -20.567 11.79941 -58.2 8  JULY 31,1964 13 HR 25 MIN 45 SEC 253 M  TRAJECTORY DATA PHOTO DATA P	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZA .6 -82.2 33.0 .9 -81.1 32.9 .2 -83.4 33.1 .1 -83.7 33.5 .9 -81.1 32.9  TAB NO  SEC TO IMPACT 4.87  ZN AZSUN AZA .5 -82.2 33.0 .1 -83.7 33.5 .2 -83.4 33.1 .1 -83.7 33.5 .2 -83.4 33.1 .1 -33.7 33.5 .2 -83.4 33.1 .1 -33.7 33.5 .2 -83.7 32.5 .2 -83.7 32.5 .2 -83.7 32.5 .2 -83.7 32.5 .2 -83.7 33.5 .3 -82.2 33.0 .3 -81.1 32.9  TAB NO  SEC TO IMPACT 3.547	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.645 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.675 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 C.29366 0.638 -87.2 67.7 36.4 35.6 29.6 1.30012 3-4 C.30237 0.815 -93.2 67.7 36.4 35.6 29.6 1.26469 4-5 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LON R V PTH AZ 10.31599 -10.561 -2C.740 1745.771 2.609 -64.258 114.771  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.24492 0.851 -92.2 67.6 38.6 32.3 27.9 0. 1-2 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 0.24670 0.893 -87.2 67.7 36.4 35.5 29.6 1.09141 3-4 C.223660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.893 -87.2 67.7 36.4 35.5 29.6 1.09161 3-6 C.223660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.893 -87.2 67.7 36.4 35.5 29.6 1.09161 5-6 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.897 -87.2 67.7 36.4 35.5 29.6 1.09161 5-6 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.897 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.897 -87.2 67.7 36.4 35.5 29.6 1.00166 4-5 C.24360 0.875 -87.4 67.6 41.0 29.1 25.9 0.876 1.01672 5-6 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.19808 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1.27 1.2 C.19808 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1.2 2 C.199150 0.887 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.2 67.6 38.6 32.3 27.9 0. 1.2200644 2-3 C.199270 0.897 -87.2 67.6 38.6 32.3 27.9 0. 1.2200644 2-3 C.199270 0.899 -87.2 67.6 38.6 32.3 27.9 0. 36844 2-3 C.199270 0.890 0.897 -87.2 67.6 38.6 30.0 30.0 0.088261 3-4
JULY 31,1964 13 HR 25 MIN 43 SEC 573 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.665 -20.538 14.52553 -57.0 6 3 -10.646 -20.563 14.52553 -57.0 6 3 -10.646 -20.519 14.65863 -62.0 16 5 -10.685 -20.511 15.07967 -56.0 16 6 -10.685 -20.556 14.44110 -51.8 6 7 -10.646 -20.563 14.05474 -58.2 1  JULY 31,1964 13 HR 25 MIN 44 SEC 413 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.659 -20.567 11.79941 -58.2 1 5 -10.676 -20.530 12.30540 -62.0 16 6 -10.676 -20.561 12.12376 -51.8 7 7 -10.643 -20.567 11.79941 -58.2 1  JULY 31,1964 13 HR 25 MIN 45 SEC 253 M  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.654 -20.551 11.79941 -58.2 1  JULY 31,1964 13 HR 25 MIN 45 SEC 253 M  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.654 -20.551 9.86237 -57.0 1 3 -10.643 -20.567 11.79941 -58.2 1  JULY 31,1964 13 HR 25 MIN 45 SEC 253 M  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C 2 -10.654 -20.554 9.86237 -57.0 1 3 -10.641 -20.571 9.54288 -58.2 1 4 -10.69 -20.541 9.98277 -62.0 1 5 -10.667 -20.566 9.80510 -51.9	TAB NO  SEC TO IMPACT 5.227  ZN AZSUN AZA .6 -82.2 33.0 .9 -81.1 32.9 .2 -83.4 33.1 .1 -83.7 33.5 .9 -81.1 32.9  TAB NO  SEC TO IMPACT 4.387  IZN AZSUN AZA .5 -82.2 33.0 .1 -83.7 33.5 .9 -81.1 32.9  TAB NO  SEC TO IMPACT .5 -82.7 33.0 .6 -80.7 32.5 .6 -82.7 33.0 .7 -82.7 33.0 .8 -82.7 33.0 .9 -81.1 32.9  TAB NO  SEC TO IMPACT .7 -82.7 33.0 .8 -82.2 33.0 .9 -81.1 32.9  TAB NO  SEC TO IMPACT .7 -82.7 33.5 .7 -82.2 33.0 .8 -83.7 33.5 .9 -81.1 32.9	ALT LAT LCN R V PTH AZ 12.28938 -10.548 -20.768 1747.745 2.607 -64.277 114.777  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.29173 0.645 -90.2 67.6 38.6 32.3 27.9 0. 1-2 0.28182 0.675 -87.4 67.6 41.0 29.1 25.9 0.93748 2-3 C.29366 0.638 -87.2 67.7 36.4 35.6 29.6 1.30012 3-4 C.30237 0.815 -93.2 67.7 36.4 35.6 29.6 1.26469 4-5 0.28182 0.875 -87.4 67.6 41.0 29.1 25.9 1.20626 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LON R V PTH AZ 10.31599 -10.561 -2C.740 1745.771 2.609 -64.258 114.771  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.24492 0.851 -92.2 67.6 38.6 32.3 27.9 0. 1-2 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 0.24670 0.893 -87.2 67.7 36.4 35.5 29.6 1.09141 3-4 C.223660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.893 -87.2 67.7 36.4 35.5 29.6 1.09161 3-6 C.223660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.893 -87.2 67.7 36.4 35.5 29.6 1.09161 5-6 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.897 -87.2 67.7 36.4 35.5 29.6 1.09161 5-6 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.897 -87.4 67.6 41.0 29.1 25.9 0.78699 2-3 C.24670 0.897 -87.2 67.7 36.4 35.5 29.6 1.00166 4-5 C.24360 0.875 -87.4 67.6 41.0 29.1 25.9 0.876 1.01672 5-6 C.23660 0.875 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.19808 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1.27 1.2 C.19808 0.845 -90.2 67.6 38.6 32.3 27.9 0. 1.2 2 C.199150 0.887 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.4 67.6 41.0 29.1 25.9 0.63644 2-3 C.199270 0.897 -87.2 67.6 38.6 32.3 27.9 0. 1.2200644 2-3 C.199270 0.897 -87.2 67.6 38.6 32.3 27.9 0. 1.2200644 2-3 C.199270 0.899 -87.2 67.6 38.6 32.3 27.9 0. 36844 2-3 C.199270 0.890 0.897 -87.2 67.6 38.6 30.0 30.0 0.088261 3-4

				RA-VI	I CAMERA	Р3							32
					TAB NO	187	ATL	AS PHOT	O NO	187	POD :	SEQUENCE NO	0 976
JULY 31,1964 13 HR	25 MIN 46 S	EC 93 M	15										
TRAJECTORY DATA				2.	IMPACT	6.3674	3 -10.	T L	.CN	R 1741.82	y 3 2 611	PTH -64.221 11	AZ
PHOTG DATA PT LAT LCN 2 ~10.648 -20.562											J 2.011	07.221 11	14.100
PT LAT LCN	RANGE	AZS/C	AZN	AZ SUN	AZA	A =	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 ~10.648 -20.562 3 -10.638 -20.575	7.52881	-57.0	9.5	-82.2	33.0	0.15121	C.845	-90.2	67.6	38.6 32.3	27.9	0.	
4 -10.637 -20.552						0.14607	0.815	-87.4	67.6	41.0 29.1	25.9	0.48586	
5 -10.658 -20.548	7 01573	-62.0 1	0.0	-80.7	32.5	0.15231	0.839	-87.2	67.6	36.4 33.1	30.6	0.67372	
6 -10.653 '-20.571	7 49610	-51.0	0 1	-03.4	33.1	0.15672	0.815	-93.2	67.6	36.4 35.5	29.6	0.65531	4- 5
6 -10.659 -20.571 7 -10.638 -20.575	7. 28498	-58 2	7 a l	-81 1	22 0	0.13003	0.075	-92.9	010.	41-0 31-8	25.0	0-69691	
. 201030 201313	1.20470	-30.6	0.,	-01.1	32.09	0.14601	0.015	-61.4	01.0	41.0 29.1	25.9	0.62524	6- /
					TAB NO	188	ATE	AS PHOT	O NO	188	POD 5	SEQUENCE NO	0 977
JULY 31,1964 13 FR	25 MIN 46 S	EC 933 M	!\$									•	
TRAJECTORY DATA				JEUIU.	.867	4,39209	-10-	601 -20	-653	1739.84	7 2 612	-64 202 1	14 755
PHOTO DATA										1137104	, 2.012	04.202 1	140133
PHOTO DATA PT LAT LON 2 -10.642 -20.570 3 -10.636 -20.579	RANGE	AZS/C	AZN	AZ SUN	AZA	A =	8/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 -10.642 -20.570	5.19380	-57.0	9.5	-82.2	33.0	C.10431	0.845	-90.2	67.6	38.6 32.3		0.	
							0.875	-87.4	67-6	41-0 29-1	25.9	0.33511	2- 3
4 -10.635 -20.563	5.24134	-61.9.1	0.0	8.Q . Z .	325	0.10507	C.839	-87.2	67.6	36.4 33.1	30.6	0.46474	3- 4
5 -10.650 -20.560	5.39165	-56-0 1	0.2	-83.4	33.1	0.10811	0.815	-93.2	67.6	36.4 35.5	29.6	0.45208	4- 5
6 -10.650 -20.577	5.16364	-51.9	9.1	-83.7	33.5	C.10351	0.852	-92.9	67.6	41.0 31.8	25.0	0.48072	56
7 -10.636 -20.579	5.02564	-58.2	8.9	-81.1	32.9	0.10077	0.875	-87.4	67.6	41.0 29.1	25.9	0.43120	
					TAR NO	190	ATI	AC DUOT	0 10	100	DOD (	SEQUENCE NO	0 070
JULY 31,1964 13 HR	25 MIN 47 S	FC 773 M	15		ING NO	127	~ 11	AS PROI	UNU	189	POD 3	PEQUENCE NO	J 9/8
			4										-
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LA	ī L	ON	R	v	PTH	Δ7
						2.4163	-10.	614 -20	.624	1737.87	2 2.614	PTH	14.749
PHOTO DATA	RANGE								_				
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	Δ.	B/A	AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 -10.031 -20.318	4.85/84	-2.1.0	9.5	82.2	, 33.0	0.05740	0.845	-90 2	67.6	38-6 32-3	27.9		1- 2
3 -10.033 -70.583	2.16531	-58.2	8.9	-81.1	32.9	0.05545	0.875	-87.4	67.6	41.0 29.1	25.9	0.18440	2- 3
4 -10.633 -20.574	2.88395	-61.9 1	0.0	-80.7	32.5	0.05781	0.839	-87.2	67.6	36.4 33.1	30.5	0.25570	3- 4
5 -10.641 -20.573 6 -10.641 -20.582	2.96662	-56.0 1	0.2	-83.4	33.1	0.05949						0.24867	
7 -10.633 -20.583	2.84122	-51.9	4.1	-83.7	33.5	C.05696	0.852	-92.9	67.6	41.0 31.8	25.0		
7 -10.633 -20.383	2.10001	-58.2	8.9	-81.1	32.9	0.05545	0.875	-87.4	67.6	41.0 29.1	25.9	0.23726	6- 7
					TAB NO	190	ATL	AS PHOTO	O NO	190	POD S	SEQUENCE NO	Ω 979
JULY 31,1964 13 HR	25 MIN 48 S	EC 612 M	15										
TRAJECTORY DATA				sec to	INDACT	41.7			Chi				
THE COTON DATA				320 10	187	U (300	1 - 1 O	627 -20	LN EOA	1 4 4 5 10 O		PIH	A
PHOTO DATA						0.7377	10.	CE 1 - 20		1122.84	> 5.013	-04.100 11	14.193
PT LAT LON	RANGE	AZS/C	AZN	AZ SUN	AZA	Α.	B/A			PHAZ EMIS			
F 10.031 -50.300	0.02033	-21.0	7.7	-52.2	22.0	0.01045	0.845	-90.2	67.6	38.6 32.3	27.9	0.	
3 -10.631 -20.587	0.50351	-58.2	8.9	-81.1	32.9	0.01010	0.875	-87.4	67.6	41.0 29.1	25.9	0.03357	
4 -10.631 -20.586		-61.9 1	0.0	-60.7	32.5	0.01053	0.839	-87.2	67.6	36.4 33.1	30.5	0.04656	
5 -10.632 -20.585	0.54015	-56.0 1	0.2	-83.4	33.1	C.01083	0.816	-93.2	67.6	36.4 35.5	29.6	0.04524	4- 5
7 -10.631 -20.587	0.51734	-51.9	9.1	83.7	33.5	0.01037	Q.852	92.9	67.6	41.0 31.8	25.0	0.04814	5- 6

	TIME- AND CAME	RA-DEPENDEN	T PARAMETERS		
	RA-VII CAME	RA P4			1
JULY 31,1964 13 HR 12 MIN 20 SEC 981 MS	TAB NO	1	ATLAS PHOTO NO	1 POD	SEQUENCE NO 17
TRAJECTORY DATA	SEC TO IMPAC	T ALT	LAT LCN 7 -4.106 -34.164	R V	PTH AZ 1 =73-542 116.823
PHOTC DATA  PT LAT LCN RANGE AZS/C 1 1-11.817 -18.106 1858.47766 -55.0 11 2-12.204 -17.508 1670.43539 -37.8 11 3 -9.846 -20.826 1807.69556 -60.7 5 4 -9.491 -15.073 1894.65964 -67.7 10 5 -14.808 -13.623 1957.14816 -55.8 14 6 -14.913 -19.803 160.76551 -47.1 11 7 -9.846 -20.826 1807.69556 -60.7 5	ZN AZSUN AZA	Δ.	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
JULY 31,1964 13 HR 12 MIN 42 SEC 819 MS	TAB NO		ATLAS PHOTO NO		SEQUENCE NO 43
TRAJECTORY DATA		T ALT	LAT LON		PTH AZ
PHOTO DATA	785.980	1658.3525	4 -4.201 -33.976		9 -73.401 116.799
PT LAT LCN RANGE AZSZC 1 -11.777 -18.186 1812-99541 -55.0 11 2 -12.208 -17.531 1826.11517 -57.8 11 3 -9.966 -20.771 1764.77977 -60.6 4 -9.559 -15.156 1849.58372 -67.6 14 5 -14.750 -13.743 1910.55525 -55.8 14 6 -14.833 -19.771 1816.67699 -47.2 11 7 -9.906 -20.771 1764.77977 -60.6	-81.2 32.2 -80.2 30.7 -8 -81.0 26.0 -6 -83.1 33.6 -81.0 38.6 -80.2 30.7	36.67578 35.38631 37.07514 38.30923 36.41584 35.38631	0.882 -85.6 67.2 0.793 -85.1 72.7 0.733 -91.2 74.5 0.827 -91.1 68.7 0.882 -85.6 67.2	38.7 34.0 30.4 38.3 35.3 31.4 40.7 28.3 26.0 36.1 37.6 36.3 36.0 42.9 37.2 40.6 34.4 26.2 40.7 28.3 26.0	0. 0-1 23.31967 1-2 118.91988 2-3 167.96490 3-4 162.69978 4-5 176.54616 5-6 152.75229 6-7
JULY 31,1964 13 HR 13 MIN 2 SEC 978 M	TAB N	0 3	ATLAS PHOTO NO	3 POD	SEQUENCE NO 67
TRAJECTORY DATA	SEC TO IMPAC 765.821	T ALT	LAT LCN 5 -4.290 -33.798	R V	PTH AZ 8 -73.267 116.776
PHOTO UNTA PT LAT 10.0 RANGE AZS/C 1 -11.741 -18.260 1770.83861 -55.0 1 2 -12.212 -17.547 1785.11635 -57.7 1 3 -9.961 -20.716 1725.06111 -60.5 4 -9.622 -15.227 1807.90346 -67.4 1 5 -14.696 -13.848 1867.49512 -55.8 1 6 -14.798 -19.737 1775.86676 -47.3 1 7 -9.961 -20.716 1725.06111 -60.5	AZSUN AZSUN AZA .1 -81.3 33.9 .5 -81.2 32.3 .2 -80.1 30.8 .8 -81.0 26.2 .5 -83.1 33.6 .0 -81.1 38.5	A* 35.85344 35.85236 34.58990 36.23966 37.44583 35.59778	B/A AZPHAZ INCO 0.816 -89.2 69.9 0.816 -88.3 70.6 0.881 -85.6 67.3	PHAZ EMIS ALPHA 38.8 33.8 30.2 38.3 35.3 31.4 40.7 28.4 26.1 36.1 37.6 36.2 36.0 42.8 37.0 40.6 34.4 26.3	SCALE PT-PT 0. 0-1 25.49981 1-2 116.29657 2-3 164.15319 3-4 159.02441 4-5 172.4971' 5-6
JULY 31,1964 13 HR 13 MIN 21 SEC 457 M	TAB N	0 4	ATLAS PHOTO NO	4 POD	SEQUENCE NO 89
TRAJECTORY DATA		T ALT	LAT LON	R V	
PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.708 -10.328 1732.04634 -54.9 1 2 -12.215 -17.567 1747.27893 -57.7 1 3 -10.011 -20.671 1688.42865 -60.4 4 -9.679 -15.299 1769.43115 -67.2 1 5 -14.646 -13.952 1827.73558 -55.8 1 6 -14.746 -19.711 1738.21521 -47.4 1	747.342 AZN AZSUN AZA 1.0 -81.3 34.0 1.5 -81.2 32.3 1.3 -80.1 30.9 26.3 26.3 -80.9 26.3 26.3 33.6	1583.3359 A* 35.09483 35.09243 33.85527 35.46849 36.664860 34.84305	4 -4.374 -33.631	PHAZ EMIS ALPHA 38.9 33.7 30.1 38.3 35.3 31.4 40.7 28.5 26.1 36.1 37.5 36.2 36.0 42.7 36.9 40.6 34.3 26.3	SCALE PT-PT 0. 0-1 27.27489 1-2 113.86411 2-3 160.62133 3-4 155.63008 4-5 168.74361 5-6
JULY 31,1964 13 - 13 MIN 43 SEC 296 M	S TAB N	0 5	ATLAS PHOTO NO	5 POD	SEQUENCE NO 115
TRAJECTORY DATA	SEC TO IMPAC 725.504	T ALT	LAT LON 9 -4.476 -33.429	R V 3276.169 2.04	
PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.668 -18.408 1686.01379 -24.9 1 2 -12.216 -17.593 1702.34076 -57.6 1 3 -10.069 -20.619 1644.9928 -60.3 4 -9.745 -15.386 1/23.74959 -67.1 1 5 -14.584 -14.076 1780.51996 -55.8 1 6 -14.682 -19.681 1693.49654 -47.5 1 7 -10.069 -20.619 1644.92928 -60.3	AZN AZSUN AZA 1.0 -81.3 34.0 1.5 -81.2 32.4 9.3 -80.1 31.0 9.9 -80.9 26.5 4.4 -83.0 33.6 1.9 -81.1 38.3 9.3 -60.1 31.0	A* 34.19377 34.19899 32.98315 34.55281 35.70187 33.94666	8/A AZPHAZ INCO 0.816 -89.2 69.7 0.816 -88.3 70.6 0.880 -85.6 67.4 0.738 -91.2 74.2 0.200 -91.1 68.8 0.880 -85.6 67.4	PHAZ EMIS ALPHI 38.9 33.5 30.0 38.3 35.3 31.3 40.7 28.5 26.3 36.1 37.4 36.3 36.0 42.6 36.3 40.6 34.3 26.3 40.7 28.5 26.3	A SCALE PT-PT 0 0. 0-1 3 29.31796 1-2 2 110.97149 2-3 1 156.42902 3-4 8 151.59774 4-5 3 164.28972 5-6 2 142.44598 6-7
JULY 31,1964 13 HR 14 MIN O SEC 95 M			ATLAS PHOTO NO	-	SEQUENCE NO 135
TRAJECTURY DATA	SEC TO IMPAC	T ALT	LAT LON 3 -4.556 -33.270	R V	PTH AZ 52 -72:873 116.708
1 -11.638 -18.471 1650.46405 -55.0 1 2 -12.215 -17.573 1668.23145 -57.7 1	AZN AZSUN AZA 1.0 -81.3 33.9 1.6 -81.2 32.	A A* 9 33.50944 3 33.50484	B/A AZPHAZ INCO 0.815 -89.2 69.1 0.816 -88.3 70.6	PHAZ EMIS ALPH 7 39.0 33.4 29.5 5 38.3 35.3 31.	A SCALE PT-PT 9 0. 0- 1 4 31.83231 1- 2 3 108.83599 2- 3
5 - 10.111 - 70.542 1611.79059 - 50.3 4 - 9.793 - 15.411 1689, 18973 - 67.0 1 5 - 14.535 - 14.126 1744.85841 - 55.8 1 6 - 14.631 - 19.620 1659.45762 - 47.6 1 7 - 10.111 - 20.542 1611.79059 - 60.3	0.9 -80.9 26.6 4.4 -83.0 33.6 1.9 -81.2 38.6 9.4 -80.1 31.6	33.86002 34.98680 2 33.26431 32.31867	0.738 -91.3 74.2 0.827 -91.1 68.5 0.827 -85.6 67.5	2 36.0 42.5 36. 9 40.6 34.4 26. 5 40.7 28.7 26.	1 133.3336 3- 4 8 148.57158 4- 5 4 161.05642 5- 6 3 139.60440 6- 7

		RA-VII CAMER	A . P4	-		<b>2</b>
JULY 31,1964 13 HR 14 MIN 1	6 SEC 994 MC	TAB NO	7	ATLAS PHOTO NO	7	POD SEQUENCE NO 155
TRAJECTORY DATA			ALT	LAT LON	R	V PTH AZ 2.060 -72.752 116.687
PHOTO DATA		691.906	1474.81857	-4.637 -33.108	3210.274	2.060 -72.752 116.687
PT LAT LON RANGE	AZS/C AZ	AZSUN AZA	A+	B/A AZPHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
1 -11.608 -18.533 1614.7895	7 -55.0 11.0	-81.3 33.9	32.82305	0.815 -89.2 69.6	39.0 33.3	29.8 0. 0-1
3 -10.151 -20.463 1578.5534	5 -60.3 9.4	-80.1 31.0	31.65221	0.815 -88.3 70.6	38.2 35.4	31.4 34.39905 1- 2
4 -9.840 -15.434 1654.5418	4 -66.9 11.0	-80.8 26.7	33.16547	0.795 -85.1 72.5	36.1 37.5	36.1 150.30077 3- 4
6 -14.579 -19.556 1625.3147	1 -55.8 14.6 3 -47.8 12.0	-83.0 33.5	34.26991	0.738 -91.3 74.1	35.9 42.5	36.7 145.53756 4- 5
PHOTO DATA PT LAT LON RANGE 1 -11.008 -18.533 1614.7895 2 -12.213 -17.551 1634.0233 3 -10.151 -20.463 1578.5344 4 -9.840 -15.434 1654.5418 5 -14.484 -14.174 1709.1058 6 -14.579 -19.556 1625.3147 7 -10.151 -20.463 1578.5534	5 -60.3 9.4	-80.1 31.0	31.65221	0.878 -85.6 67.6	40.5 34.4	26.5 157.82372 5- 6 26.4 136.75326 6- 7
JULY 31,1964 13 HR 14 MIN 3	3 SEC 693 MS	TAB NO	8	ATLAS PHOTO NO	8	POD SEQUENCE NO 175
TRAJECTORY DATA		CEC TO THRACT		1.17		
PHOTO DATA		675.107	1441.72104	-4.720 -32.942	3177 <b>.</b> 176	V PTH AZ 2.068 -72.629 116.666
PT LAT LON RANGE	AZS/C AZN	I AZSUN AZA	A =	B/A AZPHAZ INCO	DHA7 EMIS	ALDHA SCALE DT_DT
1 -11.577 -18.595 1578.9868	8 -55.1 11.0	-81.3 33.9	32.12884	0.815 -89.2 69.5	39.1 33.1	29.7 0. 0-1
2 -12.209 -17.545 1599.4213 3 -10.192 -20.398 1544.9907	257.7.11.6	-81.2 32.3	32.12285	0.815 -88.3 70.6	38-2 35-4	31.5 36.54334 1- 2
4 -9.886 -15.474 1619.4573	2 -66.8 11.0	-80.8 26.8	32.46219	0.795 -85.1 72.5	36-1 37-5	26.5 104.50280 2- 3 36.1 147.15392 3- 4
5 -14.432 -14.242 1672.8736	-55.8 14.3	-83.0 33.5	33.54340	C.739 -91.3 74.0	35.9 42.5	36.7 142.45356 4- 5
0 -14.525 -19.509 1590.8173 7 -10.192 -20.396 1544-3307	3 -47.9 12.0	-81.3 37.9	31.88834	0.826 -91.1 69.0	40.5 34.5	26.6 154.49628 5- 6
PHOTO DATA PT LAT LDN RANGE 1 -11.577 -18.595 1578.9868 2 -12.209 -17.545 1599,421a; 3 -10.192 -20.398 1544.9907 4 -9.886 -15.474 1619,4573, 5 -14.432 -14.242 1672.8736 6 -14.525 -19.509 1590.8173; 7 -10.192 -20.396 1544.3207			20.91923	U.DII -85.6 67.7	40.6 28.9	20.5 133.86673 6- 7
JULY 31,1964 13 HR 14 MIN 5			9	ATLAS PHOTO NO	9	POD SEQUENCE NO 195
TRAJECTURY DATA		SEC TO IMPACT	ALT	LAT LCN	R	V PTH AZ 2.075 -72.504 116.644
PHOTO DATA		658.308	1408.52094	-4.805 -32.773	3143.976	2.075 -72.504 116.644
PT LAT LON RANGE	AZS/C AZM	I AZSUN AZA	A •	B/A AZPHAZ INCO	PHAZ EMIS	ALDHA SCALE DI-DI
1 -11.547 -18.658 1543.0594	3 -55.1 11.0	-61.3 33.8	31.42949	0.814 -89.2 69.5	39.1 33.0	29.5 0. 0-1
2 -12.205 -17.548 1564.5633	9 -57.7 11.6	-81.2 32.3	31.42276	0.815 -88.3 70.6	38.2 35.4	31.5 38.48479 1- 2
4 -9.932 -15.523 1584.1009	+ -60.2 9.5 4 -66.7 11.0	-80-1 31-0	30.30181	0.876 -85.6 67.7	40.6 29.0	26.6 102.28056 2-3
5 -14.379 -14.318 1636.3465	955.9 14.	-83.0 33.5	32.81099	0.740 -91.3 74.0	35.9 42.4	36.6 139.33996 4- 5
PHOTO DATA PT LAT LCN RANGE 1 -11.547 -18.658 1543.0594; 2 -12.205 -17.548 1564.5633 3 -10.231 -20.341 1511.2063; 4 -9.932 -15.523 1584.1009; 5 -14.379 -14.318 1636.3465; 6 -14.470 -19.469 1556.0809; 7 -10.231 -20.341 1511.2063;	5 -48.0 11.9	-61.3 37.8	31.19203	C.825 -91.2 69.0	40.5 34.5	26.6 151.12125 5- 6
7 -10.231 -20.341 1311.2063	+ -00.2 9.3					
		0011 3110	30.30161	0.876 -85.6 67.7	40.6 29.0	20.0 130.43110 6- 1
JULY 31,1964 13 HR 15 MIN	5 SEC 611 MS	TAB NO	10	ATLAS PHOTO NO	10	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN	5 SEC 611 MS	TAB NO	10	ATLAS PHOTO NO	10	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN	5 SEC 611 PS	TAB NO	10 ALT	ATLAS PHOTO NO	10 R	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN :	5 SEC 611 PS	TAB NO	10 ALT	ATLAS PHOTO NO	10 R	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN :	5 SEC 611 PS	TAB NO	10 ALT	ATLAS PHOTO NO	10 R	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN :	5 SEC 611 PS	TAB NO	10 ALT	ATLAS PHOTO NO	10 R	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN :	5 SEC 611 PS	TAB NO	10 ALT	ATLAS PHOTO NO	10 R	POD SEQUENCE NO 213
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533.0369 3 -10.266 -20.291 1480.6598 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603.3069	AZS/C AZN 1 -55.1 11.6 7 -60.2 9.8 8 -66.6 11.1	TAB NO  SEC TO IMPACT 643.189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0	ALT 1378.55212 A* 3C.79694 30.78959 29.68931 31.11248	ATLAS PHOTO NO  LAT LON  -4.883 -32.617  B/A AZPHAZ INCD  0.814 -89.3 69.4  0.815 -6813 70.6  0.876 -85.6 67.8  0.795 -85.1 72.4	R 3114.007 PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0- 1 31.5 40.16437 1- 2 26.6 100.26640 2- 3 36.0 141.07678 3- 4
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -71.552 1533.03e9 3 -10.266 -20.291 1480.6598 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603.3069	AZS/C AZN 1 -55.1 11.6 7 -60.2 9.8 8 -66.6 11.1	TAB NO  SEC TO IMPACT 643.189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0	ALT 1378.55212 A* 3C.79694 30.78959 29.68931 31.11248	ATLAS PHOTO NO  LAT LON  -4.883 -32.617  B/A AZPHAZ INCD  0.814 -89.3 69.4  0.815 -6813 70.6  0.876 -85.6 67.8  0.795 -85.1 72.4	R 3114.007 PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0- 1 31.5 40.16437 1- 2 26.6 100.26640 2- 3 36.0 141.07678 3- 4
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533.0369' 3 -10.266 -20.291 1480.6598 4 -9.973 -15.569 1552.1248: 5 -14.330 -14.389 1603.3696 6 -14.419 -19.434 1524.6680 7 -10.266 -20.291 1480.6598	AZS/C AZN 1 -55-1 11-0 7 -507-7 11-0 7 -60-2 9-9 8 -66-6 11-1 5 -55-9 14-2 1 -48-1 11-0 7 -60-2 9-9	TAB NO  SEC TO IMPACT 643-189  AZSUN AZA -81-3 33-8 -81-2 32-3 -80-1 31-1 -80-7 27-0 -82-9 33-5 -81-3 37-7 -80-1 31-1	ALT 1378.55212 A* 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931	ATLAS PHOTO NO  LAT LON -4.803 -32.617  B/A AZPHAZ INCD 0.815 -89.3 69.4 0.815 -89.3 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.795 -85.1 72.4 0.825 -91.2 69.0 0.876 -85.6 67.8	R 3114.007 PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 10-1 31.5 40.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.05507 5-6 26.6 128.32421 6-7
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533.0369 3 -10.266 -20.291 1480.6598 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603.3069	AZS/C AZN 1 -55-1 11-0 7 -507-7 11-0 7 -60-2 9-9 8 -66-6 11-1 5 -55-9 14-2 1 -48-1 11-0 7 -60-2 9-9	TAB NO  SEC TO IMPACT 643-189  AZSUN AZA -81-3 33-8 -81-2 32-3 -80-1 31-1 -80-7 27-0 -82-9 33-5 -81-3 37-7 -80-1 31-1	ALT 1378.55212 A* 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931	ATLAS PHOTO NO  LAT LON -4.803 -32.617  B/A AZPHAZ INCD 0.815 -89.3 69.4 0.815 -89.3 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.795 -85.1 72.4 0.825 -91.2 69.0 0.876 -85.6 67.8	R 3114.007 PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 10-1 31.5 40.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.05507 5-6 26.6 128.32421 6-7
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.698 4 -9.973 -15.569 1552.1583 5 -14.330 -14.389 1603.3069 6 -14.419 -19.434 1524.6680 6 -14.419 -19.434 1524.6680	AZS/C AZN 1 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.5 8 -66.6 11.6 6 -55.9 14.1 1 -48.1 11.6 7 -60.2 9.5	TAB NO  SEC TO INPACT 643-189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1 TAB NO  SEC TO IMPACT 626.390	10 ALT 1378-55212 A* 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931 11	ATLAS PHOTO NO  LAT LON -4.893 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -6813 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.4401	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 4.01.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.698 4 -9.973 -15.569 1552.1583 5 -14.330 -14.389 1603.3069 6 -14.419 -19.434 1524.6680 6 -14.419 -19.434 1524.6680	AZS/C AZN 1 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.5 8 -66.6 11.6 6 -55.9 14.1 1 -48.1 11.6 7 -60.2 9.5	TAB NO  SEC TO INPACT 643-189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1 TAB NO  SEC TO IMPACT 626.390	10 ALT 1378-55212 A* 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931 11	ATLAS PHOTO NO  LAT LON -4.893 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -6813 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.4401	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 4.01.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233
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JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.698 4 -9.973 -15.569 1552.1583 5 -14.330 -14.389 1603.3069 6 -14.419 -19.434 1524.6680 6 -14.419 -19.434 1524.6680	AZS/C AZN 1 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.5 8 -66.6 11.6 6 -55.9 14.1 1 -48.1 11.6 7 -60.2 9.5	TAB NO  SEC TO INPACT 643-189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1 TAB NO  SEC TO IMPACT 626.390	10 ALT 1378-55212 A* 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931 11	ATLAS PHOTO NO  LAT LON -4.893 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -6813 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.4401	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 4.01.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.698 4 -9.973 -15.569 1552.1583 5 -14.330 -14.389 1603.3069 6 -14.419 -19.434 1524.6680 6 -14.419 -19.434 1524.6680	AZS/C AZN 1 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.5 8 -66.6 11.6 6 -55.9 14.1 1 -48.1 11.6 7 -60.2 9.5	TAB NO  SEC TO INPACT 643-189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1 TAB NO  SEC TO IMPACT 626.390	10 ALT 1378-55212 A* 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931 11	ATLAS PHOTO NO  LAT LON -4.893 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -6813 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.4401	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 4.01.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233
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JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.698 4 -9.973 -15.569 1552.1988 5 -14.330 -14.389 1603.3069 6 -14.419 -19.434 1524.6680 6 -14.419 -19.434 1524.6680	AZS/C AZN 1 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.5 8 -66.6 11.6 6 -55.9 14.1 1 -48.1 11.6 7 -60.2 9.5	TAB NO  SEC TO INPACT 643-189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1 TAB NO  SEC TO IMPACT 626.390	10 ALT 1378-55212 A* 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931 11	ATLAS PHOTO NO  LAT LON -4.893 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -6813 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.4401	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 4.01.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.6598 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603,3069 6 -14.419 -19.434 1524.660 7 -10.266 -20.291 1480.6598  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.4317. 2 -12.193 -17.559 1497.8253 3 -10.303 -20.237 1446.5542. 4 -10.016 -15.623 1516.4131 5 -14.273 -14.471 1566.3394 6 -14.361 -19.399 1489.5864 7 -10.303 -20.237 1446.5542.	AZS/C AZI 7 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.8 8 -66.6 11.1 5 -55.9 14.2 7 -60.2 9.5 2 SEC 410 MS AZS/C AZI 2 -55.1 10.5 2 -50.1 9.6 6 -60.1 9.6 6 -60.1 9.6 1 -48.2 11.5 6 -60.1 9.6	TAB NO  SEC TO INPACT 643-189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1 TAB NO  SEC TO IMPACT 626.390	10  3178.55212  A* 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931  11  ALT 1345.15259  30.09041 30.08239 29.00544 30.39664 31.40845 29.85911 29.00544	ATLAS PHOTO NO  LAT LON -4.893 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -6813 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.4401	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0  11  R 3080.608  PHAZ EMIS 39.2 32.7 38.2 35.5 40.6 29.1 36.0 37.4 24.5 34.5 40.6 29.1	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 40.16637 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233  V PT AZ 2.091 -72.259 116.601  ALPHA SCALE PT-PT 29.3 0. 0-1 31.5 41.93947 1-2 26.7 98.01121 2-3 36.0 137.84712 3-4 36.5 133.37188 4-5 26.8 144.66688 5-6 26.7 125.38151 6-7
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JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.6998 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603,3069 6 -14.419 -19.434 1524.660 7 -10.266 -20.291 1480.6598  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 174.4317. 2 -12.193 -17.559 1497.8253 3 -10.303 -20.237 1446.5542 4 -10.016 -15.623 1516.4315 5 -14.273 -14.471 1566.3994 6 -14.361 -19.399 1489.5864 7 -10.303 -20.237 1446.5542 JULY 31,1964 13 HR 15 MIN 3  TRAJECTORY DATA	AZS/C AZI 7 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.8 8 -66.6 11.1 5 -55.9 14.2 7 -60.2 9.5 2 SEC 410 MS AZS/C AZI 2 -55.1 10.5 2 -50.1 9.6 6 -60.1 9.6 6 -60.1 9.6 1 -48.2 11.5 6 -60.1 9.6	TAB NO  SEC TO INPACT 643-189  AZSUN AZA -81.3 33.8 -81.3 37.7 -80.1 31.1  TAB NO  SEC TO IMPACT 626-390  AZ SUN AZA -81.3 33.5 -80.1 31.1  TAB NO  SEC TO IMPACT -80.7 27.0 -80.7 27.1 -80.1 31.1 -80.9 33.5 -81.8 33.8 -81.8 33.8 -81.8 33.8 -81.8 32.3 -80.1 31.1 -80.9 33.5 -81.8 33.8 -81.8 33.8 -81.8 32.3 -80.1 31.1 -80.9 33.5 -81.4 37.6 -80.1 31.1  TAB NO	10  ALT 1378.55212  A* 30.79694 30.78959 29.68931 31.11248 30.156234 29.68931 11  ALT 1345.15255  A* 30.09239 29.00544 30.39664 31.4086 29.85911 29.00544 12	ATLAS PHOTO NO  LAT LON  -4.883 -32.617  B/A AZPHAZ INCD  0.814 -89.3 69.4  0.815 -68.3 70.6  0.876 -85.6 67.8  0.795 -85.1 72.4  0.741 -91.3 73.9  0.825 -91.2 69.0  ATLAS PHOTO NO  LAT LON  -4.971 -32.440  B/A AZPHAZ INCD  0.814 -89.3 69.4  0.815 -88.3 70.6  0.875 -85.6 67.8  0.795 -85.6 67.8  0.795 -85.6 67.8	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 40.6 29.0  11  K 3080.608  PHAZ EMIS 39.2 32.7 38.2 35.5 40.6 29.1 36.0 37.4 40.5 34.5 40.6 29.1 12	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 4.0.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 526.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233  ALPHA SCALE PT-PT 29.3 0. 0-1 31.5 41.93947 1-2 29.3 0. 0-1 31.5 41.93947 1-2 26.7 98.01121 2-3 36.0 137.84712 3-4 36.5 133.37188 4-5 26.8 144.64688 5-6 26.7 125.38151 6-7  POD SEQUENCE NO 249
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.6998 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603.3069 6 -14.419 -19.434 1524.6680 7 -10.266 -20.291 1480.6598  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.4317. 2 -12.193 -17.559 1497.8253 3 -10.303 -20.237 1446.5542. 4 -10.016 -15.623 1516.4131 5 -14.273 -14.471 1566.394 6 -14.361 -19.399 1689.5864 7 -10.303 -20.237 1446.5542.  JULY 31,1964 13 HR 15 MIN 3  TRAJECTORY DATA  PHOTO DATA	AZS/C AZM 1 -55.1 11.6 7 -57.7 11.6 8 -66.6 11.1 6 -55.9 14.1 1 -48.1 11.6 7 -60.2 9.5 2 SEC 410 MS AZS/C AZM 2 -55.1 10.6 9 -57.7 11.6 5 -60.1 9.6 5 -60.1 9.6 5 SEC 849 MS	TAB NO  SEC TO INPACT 643.189  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -81.3 37.7 -80.1 31.1  TAB NO  SEC TO IMPACT 626.390  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.1 -80.7 27.1 -80.1 31.1  TAB NO	10  ALT 1378.55212  A. 30.79694 30.78959 29.68931 31.11248 32.14850 30.556234 29.68931  11  ALT 1345.15255  3C.09041 30.08239 29.00544 30.39664 31.40845 29.85911 29.00544 12	ATLAS PHOTO NO  LAT LON  -4.883 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -88.3 70.6 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.440  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -91.2 69.0 0.816 -85.6 67.8  ATLAS PHOTO NO  LAT LON 0.876 -85.6 67.8 0.895 -85.6 67.8 0.795 -85.6 67.8 0.795 -85.6 67.8	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0 36.0 37.5 35.9 42.3 40.5 34.5 40.6 29.0  11  8 3080.608  PHAZ EMIS 39.2 32.7 38.2 35.5 40.6 29.1 36.0 37.4 40.6 29.1 36.0 37.4 40.6 29.1 12	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 4.01.6437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233  ALPHA SCALE PT-PT 29.3 0. 0-1 31.5 41.93947 1-2 26.7 98.01121 2-3 36.0 137.84712 3-4 36.5 133.37188 4-5 26.8 144.64688 5-6 26.7 125.38151 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.153 116.583
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.6998 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603.3069 6 -14.419 -19.434 1524.6880 7 -10.266 -20.291 1480.6598  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.4317. 2 -12.193 -17.559 1497.8253 3 -10.303 -20.237 1446.5542. 4 -10.016 -15.623 1516.4131 5 -14.273 -14.471 1566.394 6 -14.361 -19.399 1689.5864 7 -10.303 -20.237 1446.5542.  JULY 31,1964 13 HR 15 MIN 3  TRAJECTORY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.465 -18.827 1645 3005	AZS/C AZI 1 -57.1 11.6 7 -57.1 11.6 7 -60.2 9.5 8 -66.6 11.5 6 -55.9 14.1 1 -60.2 9.5 2 SEC 410 MS AZS/C AZI 2 -55.1 10.6 9 -57.7 11.6 5 -60.1 9.6 5 -60.1 9.6 5 SEC 849 MS	TAB NO  SEC TO INPACT 643-189  AZSUN AZA -81.3 33.8 -81.3 37.7 -80.1 31.1  TAB NO  SEC TO IMPACT 626-390  AZSUN AZA -81.3 33.8 -81.3 37.7 -80.1 31.1  TAB NO  SEC TO IMPACT 626-390  TAB NO  SEC TO IMPACT 626-390  AZSUN AZA -81.3 33.8 -81.2 32.3 -80.1 31.1 -80.7 27.1 -80.7 27.1 -80.7 27.1 -80.7 27.1 -80.7 27.1 -80.9 33.5 -81.4 37.6 -80.1 31.1  TAB NO	10  ALT 1378.55212  A- 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931  11  ALT 1345.15255  A- 3C.09C41 30.08239 29.00544 30.39664 31.40845 29.85911 29.00544 12	ATLAS PHOTO NO  LAT LON  -4.883 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -68.3 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON  -4.971 -32.440  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -88.3 70.6 0.875 -85.6 67.8 0.875 -85.6 67.8  ATLAS PHOTO NO  LAT LON 0.815 -88.3 70.6 0.875 -85.6 67.8 0.875 -85.6 67.8 ATLAS PHOTO NO	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0  11  800.608  PHAZ EMIS 30.9 42.3 40.5 34.5 40.6 29.0  11  800.608  PHAZ EMIS 39.2 32.7 38.2 35.5 40.6 29.1  12  R 3053.811  PHAZ EMIS	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 40.16637 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233  L PT-PT 29.3 0. 0-1 31.5 41.93947 1-2 26.7 98.01121 2-3 36.0 137.84712 3-4 36.5 133.37188 4-5 26.8 144.66688 5-6 26.7 125.38151 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.153 116.583  ALPHA SCALE PT-PT
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JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.6598 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603,3069 6 -14.419 -19.434 1524.660 7 -10.266 -20.291 1480.6598  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.4317. 2 -12.193 -17.559 1497.8253 3 -10.303 -20.237 1446.5542. 4 -10.016 -15.623 1516.4131 5 -14.273 -14.471 1566.3394 6 -14.361 -19.399 1489.5864 7 -10.303 -20.237 1446.5542.  JULY 31,1964 13 HR 15 MIN 3  TRAJECTORY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.465 -18.827 1445.33905	AZS/C AZI 1 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.5 8 -66.6 11.5 5 -55.9 14.1 1 -48.1 11.5 7 -60.2 9.5 2 SEC 410 MS AZS/C AZI 0 -60.1 9.6 1 -48.2 11.5 1 -48.2 11.5 5 -60.1 9.6 5 SEC 849 MS	TAB NO  SEC TO IMPACT 643.189  AZ SUN AZA -81.3 33.8 -81.3 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1  TAB NO  SEC TO IMPACT 626.390  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO  SEC TO IMPACT 626.390  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO  SEC TO IMPACT 612.950  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO	10  ALT 1378.55212  A- 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931  11  ALT 1345.15255  A- 3C.09041 30.09644 30.39664 31.40845 29.85911 29.00544 12  ALT 1318.35541	ATLAS PHOTO NO  LAT LON  -4.883 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -681.3 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.440  B/A AZPHAZ INCD 0.815 -88.3 70.6 0.875 -85.6 67.8 0.825 -91.2 69.1 0.875 -85.6 67.8 0.875 -85.6 67.8  ATLAS PHOTO NO  LAT LON -79.3 73.8 0.825 -91.2 69.1 0.875 -85.6 67.8  ATLAS PHOTO NO	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0  11  8 3080.608  PHAZ EMIS 39.2 32.7 36.0 37.4 40.6 29.0  11  R 3080.608  PHAZ EMIS 39.2 32.7 36.0 37.4 40.5 34.5 40.6 29.1 36.0 37.4 40.5 34.5 40.6 29.1 12  R 3053.811  PHAZ EMIS 39.3 32.6	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 40.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233  V PTH 29.3 0. 0-1 31.5 41.93947 1-2 26.7 98.01121 2-3 36.0 137.84712 3-4 36.5 133.37188 4-5 26.8 144.66688 5-6 26.7 125.38151 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.153 116.583  ALPHA SCALE PT-PT 29.2 0. 0-1
JULY 31,1964 13 HR 15 MIN  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.520 -18.714 1510.6115 2 -12.200 -17.552 1533,0369 3 -10.266 -20.291 1480.6598 4 -9.973 -15.569 1552.1248 5 -14.330 -14.389 1603,3069 6 -14.419 -19.434 1524.660 7 -10.266 -20.291 1480.6598  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE 1 -11.489 -18.777 1474.4317. 2 -12.193 -17.559 1497.8253 3 -10.303 -20.237 1446.5542. 4 -10.016 -15.623 1516.4131 5 -14.273 -14.471 1566.3394 6 -14.361 -19.399 1489.5864 7 -10.303 -20.237 1446.5542.  JULY 31,1964 13 HR 15 MIN 3  TRAJECTORY DATA  PHOTO DATA  PI LAT LON RANGE 1 -11.465 -18.827 1445.33905	AZS/C AZI 1 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.5 8 -66.6 11.5 5 -55.9 14.1 1 -48.1 11.5 7 -60.2 9.5 2 SEC 410 MS AZS/C AZI 0 -60.1 9.6 1 -48.2 11.5 1 -48.2 11.5 5 -60.1 9.6 5 SEC 849 MS	TAB NO  SEC TO IMPACT 643.189  AZ SUN AZA -81.3 33.8 -81.3 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1  TAB NO  SEC TO IMPACT 626.390  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO  SEC TO IMPACT 626.390  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO  SEC TO IMPACT 612.950  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO	10  ALT 1378.55212  A- 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931  11  ALT 1345.15255  A- 3C.09041 30.09644 30.39664 31.40845 29.85911 29.00544 12  ALT 1318.35541	ATLAS PHOTO NO  LAT LON  -4.883 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -681.3 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.440  B/A AZPHAZ INCD 0.815 -88.3 70.6 0.875 -85.6 67.8 0.825 -91.2 69.1 0.875 -85.6 67.8 0.875 -85.6 67.8  ATLAS PHOTO NO  LAT LON -79.3 73.8 0.825 -91.2 69.1 0.875 -85.6 67.8  ATLAS PHOTO NO	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0  11  8 3080.608  PHAZ EMIS 39.2 32.7 36.0 37.4 40.6 29.0  11  R 3080.608  PHAZ EMIS 39.2 32.7 36.0 37.4 40.5 34.5 40.6 29.1 36.0 37.4 40.5 34.5 40.6 29.1 12  R 3053.811  PHAZ EMIS 39.3 32.6	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 40.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233  V PTH 29.3 0. 0-1 31.5 41.93947 1-2 26.7 98.01121 2-3 36.0 137.84712 3-4 36.5 133.37188 4-5 26.8 144.66688 5-6 26.7 125.38151 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.153 116.583  ALPHA SCALE PT-PT 29.2 0. 0-1
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.520 -18.714 1510.6115  2 -12.200 -17.552 1533.0369  3 -10.266 -20.291 1480.6598  4 -9.973 -15.569 1552.1248  5 -14.330 -14.389 1603.3069  6 -14.419 -19.434 1524.6680  7 -10.266 -20.291 1480.6598  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE  1 -11.489 -18.777 1474.4317  2 -12.193 -17.559 1497.8253  3 -10.303 -20.237 1446.5542  4 -10.016 -15.623 1516.4131  5 -14.273 -14.471 1506.3994  6 -14.361 -19.399 1489.5864  7 -10.303 -20.237 1446.5542  JULY 31.1964 13 HR 15 MIN 3  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE	AZS/C AZI 1 -55.1 11.6 7 -57.7 11.6 7 -60.2 9.5 8 -66.6 11.5 5 -55.9 14.1 1 -48.1 11.5 7 -60.2 9.5 2 SEC 410 MS AZS/C AZI 0 -60.1 9.6 1 -48.2 11.5 1 -48.2 11.5 5 -60.1 9.6 5 SEC 849 MS	TAB NO  SEC TO IMPACT 643.189  AZ SUN AZA -81.3 33.8 -81.3 32.3 -80.1 31.1 -80.7 27.0 -82.9 33.5 -80.1 31.1  TAB NO  SEC TO IMPACT 626.390  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO  SEC TO IMPACT 626.390  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO  SEC TO IMPACT 612.950  AZ SUN AZA -81.3 33.8 -80.1 31.1  TAB NO	10  ALT 1378.55212  A- 30.79694 30.78959 29.68931 31.11248 32.14850 30.56234 29.68931  11  ALT 1345.15255  A- 3C.09041 30.09644 30.39664 31.40845 29.85911 29.00544 12  ALT 1318.35541	ATLAS PHOTO NO  LAT LON  -4.883 -32.617  B/A AZPHAZ INCD 0.814 -89.3 69.4 0.815 -681.3 70.6 0.876 -85.6 67.8 0.795 -85.1 72.4 0.741 -91.3 73.9 0.825 -91.2 69.0 0.876 -85.6 67.8  ATLAS PHOTO NO  LAT LON -4.971 -32.440  B/A AZPHAZ INCD 0.815 -88.3 70.6 0.875 -85.6 67.8 0.825 -91.2 69.1 0.875 -85.6 67.8 0.875 -85.6 67.8  ATLAS PHOTO NO  LAT LON -79.3 73.8 0.825 -91.2 69.1 0.875 -85.6 67.8  ATLAS PHOTO NO	10  R 3114.007  PHAZ EMIS 39.2 32.9 38.2 35.4 40.6 29.0  11  8 3080.608  PHAZ EMIS 39.2 32.7 36.0 37.4 40.6 29.0  11  R 3080.608  PHAZ EMIS 39.2 32.7 36.0 37.4 40.5 34.5 40.6 29.1 36.0 37.4 40.5 34.5 40.6 29.1 12  R 3053.811  PHAZ EMIS 39.3 32.6	POD SEQUENCE NO 213  V PTH AZ 2.083 -72.389 116.624  ALPHA SCALE PT-PT 29.4 0. 0-1 31.5 40.16437 1-2 26.6 100.26640 2-3 36.0 141.07678 3-4 36.6 136.52213 4-5 26.7 148.06507 5-6 26.6 128.32421 6-7  POD SEQUENCE NO 233  V TTILL 2.091 -72.259 116.601  ALPHA SCALE PT-PT 29.3 0. 137.84712 3-4 36.5 133.37188 4-5 26.8 144.64688 5-6 26.7 125.38151 6-7  POD SEQUENCE NO 249  V PTH AZ 2.097 -72.153 116.583  ALPHA SCALE PT-PT 29.2 0. 0-1

	F	RA-VII CAMERA	P4			3
		TAB NO	13	ATLAS PHOTO NO 1	3 POD SE	QUENCE NO 267
JULY 31,1964 13 HR 15 MIN 50 SE						PTH AZ
TRAJECTURY DATA		EC TO IMPACT 597.831 1	288.12503	LAT LCN -5.125 -32.131	3023.580 2.105 -	72.032 116.561
PHOTG DATA PT LAT LON RANGE A 1 -11.438 -16.864 1412.61433 - 2 -12.170 -17.582 1437.40959 - 3 -10.356 -20.154 1388.08945 - 4 -10.081 -15.725 1455.16078 - 5 -14.165 -14.623 1503.02.043 - 6 -14.250 -19.348 1429.38510 - 7 -10.356 -20.154 1388.08945 -	ZS/C AZN 55.2 10.9 57.7 11.6 60.1 9.6 66.3 11.1 55.9 14.1 48.5 11.9 60.1 9.6	-81.4 37.4 -80.1 31.1	28.65236 27.83314	0.825 -91.2 69.1 40 0.874 -85.6 67.9 40	0.4 34.5 26.8 1 1.6 29.3 26.8 1	SCALE PT-PT 0. 0-1 44.53862 1-2 94.11533 2-3 32.29250 3-4 .27.94029-4-5 .38.75962 5-6 .20.31300 6-7
JULY 31+1964 13 HR 16 MIN 7 SE	C 767 MS	TAB NO		ÁILAS PHOTO NO 1		•
TRAJECTORY DATA	- · - · · · · · · · · · · · · · · · · ·	EC TO IMPACT	AL T	LAT LCN -5.219 -31.943	R V	PTH AZ -71.895 116.537
PHOTO DATA PT LAT LCN RANGE A 1 -11.407 -18.947 176.00378 - 2 -12.152 -17.601 1401.57462 3 -10.383 -20.110 1353.41104 - 4 -10.114 -15.791 1418.81120 - 5 -14.096 -14.720 1405.38199 - 6 -14.178 -19.324 1393.64348 - 7 -10.383 -20.110 1353.4110 4354	AZS/C AZN -55.2 10.9 -57.7 11.6 -60.1 9.6 -66.2 11.1 -56.0 14.1 -48.6 11.9 -60.1 9.6	AZSUN AZA -81.4 33.7 -81.2 32.3 -80.1 31.1 -80.6 27.4 -82.9 33.4 -81.5 37.2 -80.1 31.1	A+ 28.15797 28.14869 27.13779 26.44022	0.814 -89.3 69.2 36 0.81588.3 70.6 31 0.81588.3 70.6 31 0.873 -85.6 68.0 44 0.796 -85.1 72.2 31 0.744 -91.3 73.6 32 0.825 -91.2 69.1 40 0.873 -85.6 68.0 44	HAZ EMIS ALPHA 9.4 32.4 29.0 8.1 35.4 31.5 0.6 29.3 26.9 6.0 37.4 35.8 5.8 42.0 36.3 0.4 34.5 26.9 0.6 29.3 26.9	SCALE PT-PT 0. 0-1 45.83163 1-2- 91.78846 2-3 128.98831 3-4 124.70231 4-5 135.25370 5-6 117.29404 6-7
JULY 31,1964 13 HR 16 MIN 22 St		TAB NO	15	ATLAS PHOTO NO	15 POD SI	EQUENCE NO 305
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LCN 3 -5.305 -31.770	R V	PTH AZ
PHOTO DATA		565.913	1224.0077	-5.305 -31.770	PHAT EMIS ALPHA	SCALE PT-PT
PHOTC DATA PT LAT LON RANGE 1 -11.380 -19.003 1243.04695 2 -12.132 -17.625 1369.01274 3 -10.404 -20.077 1321.98007 4 -10.141 -15.858 1395.8342 5 -14.030 -14.815 1431.21366 6 -14.111 -19.309 1361.22923 7 -10.404 -20.077 1321.98007	AZS/C AZN -55.3 10.9 -57.8 11.6 -60.1 9.6 -66.2 11.2 -56.0 14.0 -48.7 11.8 -60.1 9.6	AZSUN AZA -81.4 33.6 -81.2 32.2 -80.1 31.1 -90.6 27.5 -b2.9 33.3 -81.5 37.1 -80.1 31.1	27.50490 27.49531 26.50755 27.77929 28.69778 27.28618 26.50755	C.873 -85.6 68.C 4	10.5 29.4 26.9	114.55051 6- /
		TAB NO	16	ATLAS PHOTO NO	16 POD S	EQUENCE NO 319
JULY 31,1964 13 HR 16 MIN 34 S TRAJECTORY DATA	EC 645 MS 	SEC TO IMPACT	AL T	LAT LCN 6 -5 373 -31-633	R V	PTH AZ
		224 • 124	1200.2010		2435.131 2.120	SCALE PT-PT
PHOTO DATA PT LAT LON RANGE 1 -11.339 -19.047 1:17.28673 2 -12.113 -17.647 1:343.56750 3 -10.418 -20.053 1227.40749 4 -10.160 -15.913 1:360.05458 5 -13.976 -14.892 1:404.47744 6 -14.055 -19.30C 1:355.87329 7 -10.418 -20.053 1297.40749	-48.8 11.8	-H1.5 37.0	24 2220	0.826 -91.2 69.1 60.873 -85.6 68.0	40.4 34.5 26.9 40.5 29.4 26.9	129.55446 5- 6
JULY 31,1964 13 HR 16 MIN 46 5	SEC 405 MS	TAB NO	17	ATLAS PHOTO NO	17 POD S	SEQUENCE NO 333
TRAJECTORY DATA		SEC TO IMPACT	1174 4004	C -5.442 -31.494	R V 2911.954 2.134	-71.569 116.478
PHOTG DATA PT LAT LCN RANGE 1 -11.338 -14.091 1291.45448 2 -12.094 -17.671 1318.00055 3 -10.430 -26.030 1272.72549 4 -10.178 -15.970 1334.15002 5 -13.420 -14.972 1377.61081 6 -13.994 -19.293 1310.39647 7 -10.430 -20.030 1272.72549	AZS/C AZN -55.4 10.8 -57.8 11.6 -60.1 9.7 -66.1 11.1 -56.1 13.9 -48.9 11.8 -60.1 9.7	AZ SUN AZ A -81.4 33.5 -81.2 32.2 -80.1 31.1 -80.6 27.6 -82.8 33.2	A# 26.48066 26.4707 25.5199 26.7432 27.6225	B/A AZPHAZ INCO 0 0.815 -89.3 69.1 3 0.815 -88.3 70.5 2 0.872 -85.6 68.1 3 0.798 -85.1 72.0 3 0.748 -91.3 73.3	PHAZ EMIS ALPHA 39.6 32.0 28.7 38.1 35.4 31.5 40.5 29.4 27.0 36.0 37.2 35.7 35.8 41.7 36.1	SCALE PT-PT 0. 0-1 47.94309 1-2 86.32128 2-3 121.25377 3-4 117.12285 4-5
			18	ATLAS PHOTO NO		SEQUENCE NO 353
JULY 31,1964 13 HR 17 MIN 3	SEC 204 MS	SEC TO IMPACT	ALT	LAT LON	R V	PTH AZ
TRAJECTORY DATA PHOTO DATA		525.596	1142.422	06 -5.542 -31.291		
PT LAT LON RANGE 1 -11.30H -19.154 1254.42549 2 -12.065 -17.714 1241.20009 3 -10.448 -20.007 1237.22133 4 -10.203 -16.061 1296.84685 5 -13.813 -15.097 1138.91844 6 -13.915 -19.292 12/3.74643 7 -10.448 -20.007 1237.22133	-55.5 10.8 -57.8 11.5 -60.1 9.7 -66.0 11.1 -56.2 13.8 -49.1 11.7	-81.2 32.2 -80.1 31.1 -80.5 27.6 -82.8 33.2 -81.6 36.7	25.7417 25.7316 24.8080 25.9955 26.8471 25.5326 24.8080	BAA AZPHAZ INCO 8 0.816 -89.3 69.0 8 0.816 -88.3 70.5 1 0.872 -85.6 68.1 1 0.798 -85.1 71.9 4 0.750 -91.3 73.2 3 0.826 -91.2 69.1 1 0.872 -85.6 68.1	PHAZ EMIS ALPHA 39.6 31.9 28.6 38.1 35.3 31.4 40.5 29.4 27.0 36.0 37.1 35.6 35.8 41.6 35.9 40.4 34.4 27.0 40.5 29.4 27.0	0-1

		RA-VI	I CAMERA	Р4					4
NA 21 10// 12 NO 13 NTN 1/	SEC 443 MS		TAB NO	19	ATLAS PHOTO	NO	19	POD SEQUENCE NO 36	9
JULY 31,1964 13 HR 17 MIN 16 TRAJECTORY DATA	2EC 043 M2	SEC TO	IMPACT	AL T	LAT LO	<b>L</b> i			
							R 2850.529	V PTH AZ 2.151 -71.303 116.43	0
PHOTO DATA PT LAT LCN RANGE	AZS/C AZ	AZSUN	AZA	A+	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA SCALE PT-P	
1 -11.284 -19.204 1224.69347 2 -12.042 -17.756 1251.54031	-57.9 11.	-81.2	32.1	25.14627	B/A AZPHAZ 0.816 -89.3 0.817 -88.3	70.4	39.7 31.8	28.5 Q. Q- 31.4 48.70688 1-	2
3 ~10.463 -19.995 1208.62119 4 -10.223 -16.141 1266.76982	-66.0 11.	7 -80.1 1 -80.5	27.7	25.39265	0.872 -85.6 0.799 -85.1	71.9	36.0 37.1	35.5 115.04581 3-	4
5 ~13.774 -15.204 1307.72290 6 -13.849 -19.298 1244.22365 7 -10.463 -19.995 1208.62119	-56.2 13. -49.2 11.	782.8 7 -81.6	33.1 36.6	24.94086	0.827 -91.2	69.1	40.4 34.3	35.8 111.07846 4- 26.9 120.43810 5-	5
7 -10.463 -19.995 1208.62119	-60.1 9.		31.1 TAB NO					27.0 104.61823 6-	
JULY 31,1964 13 HR 17 MIN 26			IAB NO	20	ATLAS PHOTO	NO	20	POD SEQUENCE NO 38	13
TRAJECTORY DATA				ALT		N	R	V PTH AZ	
PHOTO DATA								2.158 -71.197 116.41	
PT LAT LCN RANGE 1 -11.263 -19.247 1198.59798 2 -12.022 -17.790 1225.54398 3 -10.476 -19.981 1183.54301 4 -10.241 -16.209 1240.41365	AZS/C AZ -55.5 10.	N AZSUN 7 -81.4	AZA 33.4	A+ 24.62430	8/A AZPHAZ 0.816 -89.3	1NCD 68.9	39.8 31.7	ALPHA SCALE PT-F 28.4 0. 0-	
2 -12.022 -17.790 1225.54398 3 -10.476 -19.981 1183.54301	-57.9 -11. -60.1 9.	581.2 7 -80.1	32-1	24.61388	0.817 -88.3 -	70.4. 68.1	38-1 35-2	31.3 48.97653 1- 27.0 80.21575 2-	
4 -10.241 -16.209 1240.41365	-65.9 11.	-80.5	27.8	24.86436	0.800 -85.1	71.8	36.0 37.0	35.4 112.61929 3-	4
5 -13.718 -15.295 1280.40053 6 -13.791 -19.300 1212.34558	-56.2 13. -49.3 11.	7 -82.8 5 -81.6	36.5	25.67378 24.42215	0.752 -91.3	73.C 69.1	35.8 41.3 40.4 34.3	35.7 108.72022 4- 26.9 117.86292 5-	
7 -10.476 -19.981 1183.54301	-60.1 9.	7 -80.1	31.1	23.75169	0.872 -85.6	68.1	40.6 29.5	27.0 102.42382 6-	7
JULY 31,1964 13 HR 17 MIN 41	SEC 841 MS		TAB NO	21	ATLAS PHOTO	NO	21	POD SEQUENCE NO 39	9
TRAJECTURY DATA			IMPACT		LAT LO	N	R	V PTH AZ	
PHOTO DATA				1063.58527				2.166 -71.073 116.38	17
PT LAT LON RANGE 1 -11.239 -19.297 1168.68100	AZS/C AZ	N AZSUN	AZA	A* 24.02371	B/A AZPHAZ C.817 -89.3			ALPHA SCALE PT-F 28.3 0. 0-	
2 - 12 000 17 014 1105 42025	C 7 0 11		22.	24 01200		70 0	20 2 25 1		-
4 -10.263 -16.295 1210.07086	-60.1 9. -65.9 11.	7 -80.1 1 -80.5	31.1 27.8	23.15335	0.872 -85.6 C.801 -85.1	68.1 71.7	40.6 29.5 36.0 36.9	27.0 78.23482 2- 35.3 109.81253 3-	4
5 -13.653 -15.407 1248.94969 6 -13 725 -19 310 1148 58540	-56.2 13.	582.B	. 33.1 .	25.04315	0.754 -91.3 _	72.9	35.8 41.2	35-6 106-00741 4-	5
7 -10.491 -19.973 1154.69998	-60.1 9.	7 -80.1	31.1	23.82563	0.872 -85.6	68.1	40.4 34.2	27.0 99.90117 6-	6
2 -12-000 -17-636 1193-63029 3 -10-491 -19-973 1154-69998 4 -10-263 -16-295 1210-07006 5 -13-653 -15-407 1248-29499 6 -13-725 -19-310 1188-58580 7 -10-491 -19-973 1154-69998			31.1 TAB NO	23.82563 23.15335	0.872 -85.6 ATLAS PHOTO		40.4 34.2 40.6 29.5	27.0 99.90117 6- POD SEQUENCE NO 41	
D.I.V. 31.1944 13 HP 17 MIN 52	SEC 401 MS		TAB NO	22	ATLAS PHOTO	NO	22	POD SEQUENCE NO 41	13
JULY 31,1964 13 HR 17 MIN 53 TRAJECTORY DATA	SEC 601 MS		TAB NO	22	ATLAS PHOTO	NO	22		13
JULY 31,1964 13 HR 17 MIN 53 TRAJECTORY DATA PHOTO DATA PT LAT LCN RANGE	SEC 601 MS	SEC TO 475 N AZSUN	TAB NO	ALT 1039.4605	ATLAS PHOTO  LAT LC 7 -5.658 -3C.  B/A AZPHAZ	NO N 651 INCD	22 R 2774.916 PHAZ EMIS	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36	13 17
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604	AZS/C AZ -55.6 10.	SEC TO 475 N AZSUN 7 -81.4	IMPACT	ALT 1039.46C5 A* 23.49656	ATLAS PHOTO  LAT LC 7 -5.658 -3C.  B/A AZPHAZ C.617 -89.3	NO N 651 INCD 68.8	R 2774.916 PHAZ EMIS 39.9 31.4	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36 ALPHA SCALE PT-F	13 7
JULY 31,1964 13 HR 17 MIN 53 TRAJECTORY DATA PHOTO DATA PT LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100	AZS/C AZ -55.6 10. -57.9 11.	SEC TO 475 N AZSUN 7 -81.4 4 -81.2 7 -80.1	TAB NO  IMPACT .199  AZA 33.3 32.1 31.1	ALT 1039.46C5 A* 23.49656 23.48560 22.64567	ATLAS PHOTO  LAT LC 7 -5.658 -3C.  B/A AZPHAZ C.617 -89.3 0.818 -88.3 0.872 -85.6	NO 651 INCD 68.8 70.3 68.1	R 2774-916 PHAZ EMIS 39-9 31-4 38-2 35-1 40-6 29-5	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36  ALPHA SCALE PT-F 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 27.0 76.49842 1-	7 7 1 2 3
JULY 31,1964 13 HR 17 MIN 53 TRAJECTORY DATA PHOTO DATA PT LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863	AZS/C AZ -55.6 10. -57.9 11. -60.1 9. -65.8 11. -56.2 13.	SEC TO 475  N AZ SUN 7 -81.4 4 -81.2 7 -80.1 1 -80.5 5 -82.8	TAB NO  IMPACT.199  AZA 33.3 32.1 31.1 27.9 33.0	ALT 1039.46C5 A* 23.49656 23.48560 22.64567 23.72248	ATLAS PHOTO  LAT 7 -5.658 -3C.  B/A AZPHAZ C.617 -89.3 0.818 -88.3 0.872 -85.6 C.802 -85.1	NO 651 INCD 68.8 70.3 68.1 71.6	R 2774.916 PHAZ EMIS 39.9 31.4 38.2 35.1 40.6 29.5 36.0 36.8	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36  ALPHA SCALE PT-F 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4-	7 T 1 2 3 4 5
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162.46523	AZS/C AZ -55.6 10. -57.9 11. -60.1 9. -65.8 11. -56.2 13.	SEC TO 475  N AZ SUN 7 -81.4 4 -81.2 7 -80.1 1 -80.5 5 -82.8	TAB NO  IMPACT.199  AZA 33.3 32.1 31.1 27.9 33.0	ALT 1039.46C5 A* 23.49656 23.48560 22.64567 23.72248 24.48991 23.302C6	ATLAS PHOTO  LAT LO 7 -5.858 -3C.  8/A AZPHAZ  C.617 -89.3  O.818 -88.3  O.872 -85.6  C.802 -85.1  C.755 -91.3  O.828 -91.2	NO 651 INCD 68.8 70.3 68.1 71.6 72.8 69.1	R 2774-916 PHAZ EMIS 39-9 31-4 38-2 35-1 40-6 29-5 36-0 36-8 35-9 41-1 40-5 34-2	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.34  ALPHA SCALE PT-F 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5-	13 17 17 12 3 4 5 6
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 1 -11.218 -19.346 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863	AZS/C AZ -55.6 10. -57.9 11. -60.1 9. -65.8 11. -56.2 13.	SEC TO 475 N AZ SUN 7 -81.4 4 -81.2 7 -80.1 1 -80.5 -82.8	TAB NO  IMPACT.199  AZA 33.3 32.1 31.1 27.9 33.0 36.3 31.1	ALT 1039.4665 A* 23.49656 23.48560 22.64567 23.72248 24.48991 23.30266 22.64567	ATLAS PHOTO  LAT LO 7 -5.858 -3C.  8/A AZPHAZ C.617 -69.3 0.818 -88.3 0.812 -85.6 C.802 -85.1 C.755 -91.3 0.228 -91.2 0.872 -85.6	NO 651 INCD 68.8 70.3 68.1 71.6 72.8 69.1 68.1	R 2774.916 PHAZ EMIS 39.9 31.4 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 40.6 29.5	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36  ALPHA SCALE PT-F 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6-	7 7 1 1 2 3 4 5 6 7
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162.46523 7 -10.505 -19.965 1129.38100	AZS/C AZ -55.6 1057.9 1160.1 960.1 9.	SEC TO 475  N AZ SUN 7 -81.4  4 -81.2  7 -80.1  1 -80.5  5 -82.8  6 -81.7  -80.1	TAB NO  IMPACT.199  AZA 33.3 32.1 31.1 27.9 33.0 36.3 31.1  TAB NO	22 ALT 1039.46C5 23.49656 23.49566 22.64567 23.72248 24.48991 23.30206 22.64567	ATLAS PHOTO  LAT LO  7 -5.858 -3C.  8/A AZPHAZ  C.617 -89.3  0.812 -86.3  0.872 -85.6  C.755 -91.3  0.822 -95.6  ATLAS PHOTO	NO 651 INCD 68.8 68.1 71.6 72.8 69.1 68.1 NO	R R 2774.916 PHAZ EMIS 39.9 31.4 38.2 35.1. 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 40.6 29.5	V PTH A2 2.173 -70.963 116.36 ALPHA SCALE PT-F 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6-	7 7 1 1 2 3 4 5 6 7
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LCN RANGE 1 -11.218 -19,34C 1142,42078 2 -11.980 -17.875 1169,37604 3 -10.505 -19,965 1129,38100 4 -10.281 -16.369 1183,44554 5 -13.596 -15.504 1221,33866 6 -13.667 -19,318 1162,46523 7 -10.505 -19.965 1129,38100  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA	AZS/C AZ -55.6 1057.9 1160.1 960.1 9.	SEC TO 475  N AZSUN 7 -81.4 4 -81.2 7 -80.1 1 -80.5 6 -81.7 7 -80.1	TAB NO  1MPACT .199  AZA 33.3 32.1 31.1 27.9 33.0 36.3 31.1  TAB NO	ALT 1039.46C5' A* 23.49656 23.48560 22.64567 23.72248 24.48991 23.302C6 22.64567 23	ATLAS PHOTO  LAT LO 7 -5.658 -3C.  8/A AZPHAZ C.617 -69.3 O.818 -86.3 O.812 -85.6 C.802 -85.1 C.755 -91.3 O.828 -91.2 O.872 -85.6  ATLAS PHOTO	NO 651 INCD 68.8 70.3 68.1 71.6 72.8 69.1 68.1 NO	R 2774.916 PHAZ EMIS 39.9 31.4 38.2 35.1. 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 4C.6 29.5	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36  ALPHA SCALE PT-F 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6-	13 7 7 1 1 2 3 4 5 6 7 25
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183,44554 5 -13.596 -15.504 1221.35463 6 -13.667 -19.318 1162.46523 7 -10.505 -19.965 1129.381C0  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA	AZS/C AZ -55.6 10. -57.9 11. -60.1 9. -65.8 11. -60.2 13. -49.4 11. -60.1 9.	SEC TO 475  N AZSUMN 7 -81.4  4 -81.2  7 -80.1  1 -80.5  -81.7  7 -80.1	TAB NO  IMPACT.  199  AZA 33.3 32.1 31.1 27.9 33.0 36.3 31.1  TAB NO  IMPACT.  119	22 ALT 1039.46c5 A* 23.49c56 23.48560 22.64567 23.72248 24.48991 23.30266 22.64567 23 ALT 1016.7325	ATLAS PHOTO  LAT	NO 651 INCD 68.8 70.3 68.1 71.6 72.8 69.1 68.1 NO	R 2774.916 PHAZ EMIS 39.9 31.4 38.2 35.1 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 40.6 29.5 23	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36  ALPHA SCALE PT-F 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6-  POD SEQUENCE NO 4:  V PTH A2 12.179 -70.867 116.36	13 17 11 12 3 4 5 6 7 25
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PY LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162.46523 7 -10.505 -19.965 1129.381C0  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTO DATA PT LAT LCN RANGE 1 -11.201 -19.377 1119.84976	AZS/C AZ -55.6 10. -57.9 11. -60.1 9. -65.8 11. -60.2 13. -49.4 11. -60.1 9.	SEC TO 475  N AZSUMN 7 -81.4  4 -81.2  7 -80.1  1 -80.5  -81.7  7 -80.1	TAB NO  IMPACT.  199  AZA 33.3 32.1 31.1 27.9 33.0 36.3 31.1  TAB NO  IMPACT.  119	22 ALT 1039-46C5 A* 23-49656 23-49656 23-49567 23-72248 24-48991 23-302C6 22-64567 23 ALT 1018-7325	ATLAS PHOTO  LAT LO  7 -5.858 -3C.  8/A AZPHAZ  C.817 -89.3  O.818 -88.3  O.812 -85.6  C.802 -85.1  C.755 -91.3  O.822 -91.2  O.872 -85.6  ATLAS PHOTO  LAT LO  7 -5.924 -3C.  B/A AZPHAZ	NO 651 INCD 68.8 70.3 68.1 71.6 72.8 69.1 68.1 NO	R 2774.916 PHAZ EMIS 39.9 31.4 38.2 35.1. 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 40.6 29.5 23  R 2754.188 PHAZ EMIS	V PTH A2 2.173 -70.963 116.34 ALPHA SCALE PT-6 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6- POD SEQUENCE NO 43  V PTH A2 12.179 -70.867 116.34  ALPHA SCALE PT-1	13 7 11 12 3 4 5 6 7 25
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162.46523 7 -10.505 -19.965 1129.381C0  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE 1 -11.201 -19.377 1119.84976 2 -11.963 -17.910 1146.78114 3 -10.515 -19.959 1107.59366	AZS/C AZ -55.6 1057.9 1160.1 965.8 1160.1 965.6 1057.9 1160.1 965.6 1067.9 1160.1 9.	SEC TO 475  N AZSUNA 7 -81.4 4 -80.1 1 -80.5 5 -82.8 6 -81.7 7 -80.1   SEC TO 465  N AZSUNA 7 -81.4 4 -81.2 7 -80.1	TAB NO  1PPACT. 199  AZA 33.3 32.1 31.1 27.9 33.0 36.3 31.1  TAB NO  1PPACT. 119  AZA 33.3 32.1 31.1	22 ALT 1039.46c5: A* 23.49c56 23.48560 22.64567 23.302c6 22.64567 23 ALT 1018.7325: A* 23.032c0 22.08e0	ATLAS PHOTO  LAT	NO 1 NC D 68.8 70.3 68.1 71.6 672.8 69.1 68.1 NO NO NO 1 NC D 68.8 70.3 68.8	22  R 2774.916  PHAZ EMIS 39.9 31.4 38.2 35.1 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 4C.6 29.5  23  R 2754.188  PHAZ EMIS 39.9 31.3 38.2 35.0 0.6 29.5	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36  ALPHA SCALE PT-1 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6-  POD SEQUENCE NO 4:  V PTH A2 2.179 -70.867 116.36  ALPHA SCALE PT-1 28.1 0. 0- 31.2 49.26023 1- 27.0 75.00270 2-	13 7 T1234567 25 49 T123
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JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162.46523 7 -10.505 -19.965 1129.38100  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE 1 -11.201 -19.377 1119.84976 2 -11.963 -17.910 1146.78114 3 -10.515 -19.959 1107.59366 4 -10.296 -16.433 1160.53448 5 -13.547 -15.589 1197.61449 6 -13.616 -19.325 1139.98482 7 -10.515 -19.959 1107.59366  JULY 31,1964 13 HR 18 MIN 17  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE	AZS/C AZ -55.6 1057.9 1160.1 965.8 1160.1 965.6 1056.2 1349.4 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 96	SEC TO 475  N AZSUNA 7 -81.2 7 -80.1 1 -80.5 5 -82.8 6 -81.7 7 -80.1   SEC TO 465  N AZSUNA 7 -81.2 2 7 -80.1 1 -80.5 5 -82.7 5 -81.2 7 7 -80.1 1 1 -80.5 5 -82.7 7 -80.1 1 1 -80.5 1 1 -80.5 1 1 1 -80.5 1 1 1 -80.5 1 1 1 -80.5 1 1 1 1 -80.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TAB NO  IMPACT.  199  AZA 33.3 32.1 31.1 27.9 33.0 36.3 31.1  TAB NO  IMPACT.  119  AZA 33.3 32.1 31.1 28.0 33.0 33.0 33.1 TAB NO	22  ALT 1039.46C5  A* 23.49656 23.48560 22.64567 23.72248 24.48991 23.302C6 22.64567  23  ALT 1018.7325  A* 23.032C0 22.20820 22.20820 23.26325 24.01381 22.65145 22.20880  24  ALT 991.0227 A*	ATLAS PHOTO  LAT	NO N 651 1 NCD 68.8 70.3 72.8 68.1 71.6 68.1 NO N 517 1 NCD 68.8 70.3 1 NCD 68.8 NO N 335	R 2774.916 PHAZ EMIS 39.9 31.4 38.2 35.1 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 40.6 29.5 23  R 2754.188 PHAZ EMIS 38.2 35.0 40.6 29.5 36.0 36.8 35.9 41.0 40.6 29.5 24  R 2726.478 PHAZ EMIS	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36  ALPHA SCALE PT-6 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 26.9 112.27876 5- 27.0 97.68805 6-  POD SEQUENCE NO 4:  V PTH A2 2.179 -70.367 116.34  ALPHA SCALE PT-1 28.1 0. 0- 31.2 49.26023 1- 27.0 75.00270 2- 35.2 105.23922 3- 35.4 101.58311 4- 26.9 110.03710 5- 27.0 95.78234 6-  POD SEQUENCE NO 4:  V PTH A2 2.187 -70.737 116.33  ALPHA SCALE PT-1	13 7 T1234567 25 9 T1234567 41 24 PT
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PY LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162.46523 7 -10.505 -19.965 1129.381C0  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE 1 -11.201 -19.377 1119.84976 2 -11.963 -17.910 1146.78114 3 -10.515 -19.959 1107.59366 4 -10.296 -16.433 1160.53448 5 -13.547 -15.589 1197.61449 6 -13.616 -19.325 1139.98482 7 -10.515 -19.959 1107.59366  JULY 31,1964 13 HR 18 MIN 17  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE 1 -11.177 -19.426 1089.66612 2 -11.937 -17.960 1116.50911	AZS/C AZ -55.6 1057.9 1160.1 965.8 1160.1 965.8 1657.9 1160.1 965.8 1657.9 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1165.8	SEC TO 475  N AZSUN 7 -881.4  T 81.2  T -80.1  SEC TO 60.1  SEC TO 7 -80.1	TAB NO  IMPACT  1199  AZA 33.3 32.1 27.9 33.0 36.3 31.1  TAB NO  IMPACT  1190  AZA 33.3 31.1 28.0 36.3 31.1 TAB NO  IMPACT  LONG  AZA 33.2  IMPACT  680  AZA 33.2	22  ALT 1039.46C5  A* 23.49656 23.48560 22.64567 23.72248 24.48991 23.302C6 22.64567  23  ALT 1018.7325  A* 23.032C0 22.20820 22.20820 23.26325 24.01381 22.65145 22.20880  24  ALT 991.0227 A*	ATLAS PHOTO  LAT	NO N 651 1 INCD 68.8 70.3 71.6 68.1 71.6 68.1 NO N 517 INCD 68.8 76.3 71.6 76.1 NO N 335 INCD 76.7	R 2774.916 PHAZ EMIS 39.9 31.4 38.2 35.1 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 40.6 29.5 23  R 2754.188 PHAZ EMIS 38.2 35.0 40.6 29.5 40.6 29.5 24  R 2726.478 PHAZ EMIS 40.6 29.5	POD SEQUENCE NO 41  V PTH A2  2.173 -70.963 116.36  ALPHA SCALE PT-F 28.2 0. 0- 31.2 49.21302 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6-  POD SEQUENCE NO 42  V PTH A2 2.179 -70.867 116.36  ALPHA SCALE PT-F 28.1 0. 0- 31.2 49.26023 1- 27.0 75.00270 2- 35.2 105.23922 3- 35.4 101.58311 4- 26.9 110.93710 5- 27.0 95.78234 6-  POD SEQUENCE NO 44  V PTH A2  2.181 -70.737 116.36  ALPHA SCALE PT-F 4.181 -70.737 116.36  ALPHA SCALE PT-F 28.0 0. 0-	3 7 T1234567 25 9 T1234567 11 24 T1
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE 1 -11.218 -19.34C 1142,42078 2 -11.980 -17.875 1169,37604 3 -10.505 -19.965 1129,380100 4 -10.281 -16.369 1183,44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162,46523 7 -10.505 -19.965 1129.381C0  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE 1 -11.201 -19.377 1119.84976 2 -11.963 -17.910 1146.78114 3 -10.515 -19.959 1107.59366 4 -10.296 -16.433 1160.53448 5 -13.547 -15.588 1197.61449 6 -13.616 -19.325 1139.98482 7 -10.515 -19.959 1107.59366  JULY 31,1964 13 HR 18 MIN 17  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE 1 -11.177 -19.426 1089.66412 2 -11.937 -17.960 1116.50911 1 -11.177 -19.426 1089.66412 2 -11.937 -17.960 1116.50911 3 -10.528 -19.953 1078.69924	AZS/C AZ -55.6 1057.9 1160.1 965.8 1160.1 965.8 1160.1 965.6 1057.9 1160.1 965.6 1057.9 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 965.8 1166.1 966.1	SEC TO 475  N AZSUN 7 -81.4 4 -81.2 7 -80.1 1 -80.5 5 -82.8 4 -81.2 7 -80.1 1 -80.5 5 -82.8 1 -80.1 1 -80.5 5 -82.7 7 -80.1	TAB NO  IMPACT  1199  AZA 33.3 32.1 27.9 33.0 36.3 31.1  TAB NO  IMPACT  119  AZA 33.3 32.1 128.0 36.3 31.1 TAB NO  IMPACT  IM	22  ALT 1039.46c5  A* 23.49c56 23.496560 22.64567 23.302c6 22.64567  23  ALT 1018.7325  A* 23.032c0 22.208e0 23.26325 24.01381 22.20880  24  ALT 991.0227  ALT 22.43495 22.424c2 21.62361	ATLAS PHOTO  LAT	NO N 651 1 NC D 68.8 70.3 71.6 68.1 71.6 68.1 NO N 517 1 NC D 68.8 3 368.1 NO N 72.7 69.1 NO N 3 35 NO N 70.2 1 NC D 8.8 NO N 70.2 N 70.	22  R 2774.916  PHAZ EMIS 39.9 31.4 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 40.6 29.5 23  R 2754.188  PHAZ EMIS 39.9 31.3 38.2 35.0 40.6 29.5 36.0 36.8 87.9 41.0 40.6 29.5 24  R 2726.478  PHAZ EMIS 38.2 35.0 40.6 29.5 24	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.38  ALPHA SCALE PT-1 28.2 0. 0- 31.2 4.9.21302 1- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6-  POD SEQUENCE NO 42  V PTH A2 2.179 -70.867 116.34  ALPHA SCALE PT-1 28.1 0. 0- 31.2 49.26023 1- 27.0 97.0270 2- 35.2 105.23922 3- 35.4 101.58311 4- 26.9 110.03710 5- 27.0 95.78234 6-  POD SEQUENCE NO 44  V PTH A2 2.187 -70.737 116.33  ALPHA SCALE PT-1 2.187 -70.737 116.34  ALPHA SCALE PT-1 2.187 -70.737 116.34	3 7 T1234567 25 9 T1234567 41 4 T123
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE 1 -11.218 -19.34C 1142,42078 2 -11.980 -17.875 1169,37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183,44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162,46523 7 -10.505 -19.965 1129.381C0  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE 1 -11.201 -19.377 119.84976 2 -11.963 -17.910 1146.78114 3 -10.515 -19.959 1107.59366 4 -10.296 -16.433 1160.53448 5 -13.547 -15.589 1197.61449 6 -13.616 -19.325 1139.98482 7 -10.515 -19.959 1107.59366  JULY 31,1964 13 HR 18 MIN 17  TRAJECTORY DATA PHOTC DATA PT LAT LCN RANGE 1 -11.177 -19.426 1089.66412 2 -11.937 -17.960 1116.50911 3 -10.528 -19.953 1078.40924 4 -10.315 -16.523 1129.84186 5 -13.479 -15.7953 1129.84186 5 -13.479 -15.7953 1129.84186	AZS/C AZ -55.6 1060.1 965.8 1160.1 965.8 1160.1 965.6 1077.9 1160.1 965.8 1160.1 965.8 1160.1 955.6 1057.9 1160.1 965.8 1160.1 9.	SEC TO 475  N AZSUN 7 -881.4 4 -881.2 7 -80.1  SEC TO 465  N AZSUN 7 -80.1  SEC TO 465  N AZSUN 7 -80.1  SEC TU 4 -80.7  SEC TU 5 -80.1	TAB NO  IMPACT 1199  AZA 33.3 32.1 27.9 33.0 36.3 31.1  TAB NO  IMPACT 1119  AZA 33.3 32.1 128.0 36.3 31.1  TAB NO  IMPACT 119  AZA 33.2 31.1 28.0 36.3 31.1  CBO  AZA 33.2 31.1 28.0 33.0 36.3 31.1  AZA 33.2 31.1 31.1  AZA 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.	22  ALT 1039.46C5  A* 23.49656 23.48560 22.64567 23.302C6 22.64567  23  ALT 1018.7325  A* 23.04285 23.032C0 22.20880 23.26325 24.01381 22.25145 22.20880  24  ALT 991.0227  ALT 991.0227	ATLAS PHOTO  LAT	NO N 651 INCD 68.8 70.3 3 70.3 68.1 71.6 68.1 NO N 517 INCD 68.8 672.7 68.1 NO N 335 INCD 68.7 70.7 6.8 1	22  R 2774.916  PHAZ EMIS 39.9 31.4 40.6 29.5 36.0 36.8 35.9 41.1 40.5 34.2 40.6 29.5 23  R 2754.188  PHAZ EMIS 39.9 31.3 38.2 35.0 40.5 34.2 40.6 29.5 24  R 2726.478  PHAZ EMIS 30.0 36.8 275.0 36.0 36.8 275.0 36.0 36.8 275.0 36.0 36.7 24  PHAZ EMIS 35.9 41.0 40.6 29.5 36.0 36.7 36.0 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.38  ALPHA SCALE PT-1 28.2 0. 0- 31.2 49.21302 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5-  POD SEQUENCE NO 42  V PTH A2 2.179 -70.867 116.34  ALPHA SCALE PT-1 28.1 0. 0- 31.2 49.26023 1- 27.0 75.00270 2- 35.2 105.23922 3- 35.4 101.58311 4- 26.9 110.03710 5- 27.0 95.78234 6-  POD SEQUENCE NO 44  V PTH A2 2.187 -70.737 116.33  ALPHA SCALE PT-1 2.187 -70.737 116.34  ALPHA SCALE PT-1 2.188 -70.737 116.34  ALPHA SCALE PT-1 2.189 -70.737 116.34  ALPHA SCALE PT-1 2.189 -70.737 116.34  ALPHA SCALE PT-1 2.189 -70.739 116.34  ALPHA SCALE PT-1 2.189 -70.739 116.34  ALPHA SCALE PT-1 3.189 -70.739 116.34	3 7 T1234567 25 9 T1234567 11 24 T12345
JULY 31,1964 13 HR 17 MIN 53  TRAJECTORY DATA  PHOTO DATA PY LAT LCN RANGE 1 -11.218 -19.34C 1142.42078 2 -11.980 -17.875 1169.37604 3 -10.505 -19.965 1129.38100 4 -10.281 -16.369 1183.44554 5 -13.596 -15.504 1221.35863 6 -13.667 -19.318 1162.46523 7 -10.505 -19.965 1129.381C0  JULY 31,1964 13 HR 18 MIN 3  TRAJECTORY DATA PHOTO DATA PT LAT LCN RANGE 1 -11.201 -19.377 1119.84970 2 -11.963 -17.910 1146.78114 3 -10.515 -19.959 1107.59366 4 -10.296 -16.433 1160.53448 5 -13.547 -15.589 1197.61449 6 -13.616 -19.325 1139.98482 7 -10.515 -19.959 1107.59366  JULY 31,1964 13 HR 18 MIN 17  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE 1 -11.177 -19.426 1089.66412 2 -11.937 -17.960 1116.50911 3 -10.528 -19.953 1078.4024 4 -10.115 -19.953 1078.4024 4 -10.115 -19.953 1078.4024 4 -10.115 -19.953 1078.4024 4 -10.115 -19.953 1078.4024 4 -10.115 -19.953 1078.4024 4 -10.115 -16.523 1129.84186	AZS/C AZ -55.6 1057.9 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.8 1160.1 965.7 9.	SEC TO 475  N AZSUN 7 -81.4 4 -81.2 7 -80.1  SEC TO 465  N AZSUN 7 -80.1  SEC TO 465  N AZSUN 7 -80.1  SEC TU 51 -80.5  N AZSUN 6 -81.7 7 -80.1	TAB NO  AZA 33.3 32.1 31.1 27.9 33.0 36.3 31.1  TAB NO  IMPACT 119  AZA 33.3 32.1 31.1 28.0 33.0 36.3 31.1  TAB NO  IMPACT 680  AZA 33.2 32.1 31.1  TAB NO  IMPACT 680  AZA 33.2 32.1 31.1  TAB NO  IMPACT 680  AZA 33.2 33.0 33.0 33.0 33.0 33.0 33.0 33.0	22  ALT 1039.46C5  A* 23.49656 23.48560 22.64567 23.72248 24.48991 23.302C6 22.64567  23  ALT 1016.7325  A* 23.04285 23.032C0 22.20820 22.20820 22.20820 22.20880 24.01381 22.85145 22.20880 24.01381 24.40381 22.40285 24.02860 23.26325 24.01381 22.402860 23.37594 22.476285	ATLAS PHOTO  LAT	NO N 651 INCD 68.8 371.6 68.1 71.6 68.1 71.6 68.1 71.6 68.1 71.6 68.1 70.3 66.7 70.3 66.7 72.7 69.1 68.1 70.2 76.2 76.2 76.2 772.6 76.1 772.6 77	R 2774-916 PHAZ EMIS 39-9 31-4 38-2 35-1 40-6 29-5 36-0 36-8 R 2754-188 PHAZ EMIS 39-9 31-3 38-2 35-0 40-6 29-5 36-0 36-8 24 R 2726-478 PHAZ EMIS 38-0 36-8 40-6 29-5 24 PHAZ EMIS 38-0 36-8 40-6 29-5 24 PHAZ EMIS 36-0 36-8	POD SEQUENCE NO 41  V PTH A2 2.173 -70.963 116.36  ALPHA SCALE PT-1 28.2 0. 0- 31.2 49.21392 1- 27.0 76.49842 2- 35.3 107.35427 3- 35.5 103.62977 4- 26.9 112.27876 5- 27.0 97.68805 6-  POD SEQUENCE NO 4:  V PTH A2 2.179 -70.867 116.36  ALPHA SCALE PT-1 28.1 0. 0- 31.2 49.26023 1- 27.0 75.00270 2- 35.2 105.23922 3- 35.4 101.58311 4- 28.0 0.  POD SEQUENCE NO 4:  V PTH A2 3.2.187 -70.737 116.3;  ALPHA SCALE PT-1 2.10 75.00270 2- 35.2 105.23922 3- 35.4 101.58311 4- 28.0 0. 31.1 49.26523 1- 27.0 75.00270 3- 35.3 110.371 116.3;  ALPHA SCALE PT-1 3.1 1.49.22657 1- 3.1 10.2-40461 3- 3.3 1 10.2-40461 3- 3.3 98.84002 4- 26.9 117.03329 5-	3 7 T1234567 25 9 T1234567 41 4 T123456

		RA-VII. CAMERA	P4
		TAB NO	25 ATLAS PHOTO NO 25 POD SEQUENCE NO 453
JULY 31,1964 13 HK 18 MIN_27 SEC 199 TRAJECTORY DATA		EC IO IMPACT	ALTLATLDN RYPTHAZ
		441.601	970.18549 -6.082 -30.196 2705.641 2.194 -70.639 116.305
PT LAT LON RANGE AZS/C	AZN	AZ SUN AZ A	A+ B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT
1 -11.160 -19.463 1066.95615 -55.7 2 -11.918 -17.999 1093.70232 -57.9	10.6	-81.4 33.2 -81.2 32.1	21.97695 0.819 -89.3 68.7 40.0 31.1 27.9 0. 0-1 21.96597 0.82C -88.3 70.2 38.2 34.9 31.1 49.14218 1-2
3 -10.537 -19.951 1056.42393 -60.1	9.7	-80-1 31-1	21.18278 0.872 -85.6 68.2 40.6 29.5 27.0 71.48333 2- 3
4 -10.329 -16.591 1106.71797 -65.7	11.1	-80.4 28.1 -82.7 33.0	22.89541 0.759 -91.3 72.5 35.9 40.7 35.2 96.77467 4-5
6 -13.494 -19.349 1087.17976 -49.7	11.4	-81.7 36.1	21.79301 0.830 -91.2 69.0 40.5 34.0 26.9 104.77036 5- 6
7 -10.537 -19.951 1056.42393 -60.1	9.7	-80.1 31.1	21.18278 0.872 -85.6 68.2 40.6 29.5 27.0 91.30423 6- 7 25 ATLAS PHOTO NO 26 POD SEQUENCE NO 465
JULY 31,1964 13 HR 18 HIN 37 SEC 278	MS	TAB NO	
TRAJECTORY DATA	s	EC TO IMPACT 431.521	ALT LAT LON R V PTH AZ 949.30C11 -6.151 -30.055 2684.755 2.200 -70.538 116.286
PHOTO DATA		475UN 474	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C 1 -11.142 -19.500 1044.18787 -55.7 2 -11.898 -18.036 1070.85913 -57.9 3 -10.546 -19.946 1034.39633 -60.1	10.6	-81.4 33.2	21.51818 0.820 -89.3 68.7 40.1 31.0 27.9 0. 0-1
2 -11.898 -18.036 1070.85913 -57.9	11.3	-81.2 32.1	21.50718 0.820 -88.3 70.2 38.2 34.9 31.0 49.09749 1-2
3 -10.546 -19.946 1034.39633 -60.1 4 -10.342 -16.658 1083.56389 -65.6	9.6	-80.1 31.1 -80.4 28.2	21.72043 0.805 -85.1 71.4 36.0 36.5 34.9 98.13511 3-4
5 -13.375 -15.880 1117.84866 -56.3	13.3	-82.7 32.9	22.41440 0.761 -91.3 72.4 35.9 40.6 35.1 94.70942 4- 5
6 -13.440 -19.359 1064.45241 -49.8 7 -10.546 -19.946 1034.39633 -60.1	9.6	-81.8 36.0 -80.1 31.1	21.33745 0.83C -91.2 69.0 40.5 34.0 26.9 102.51335 5- 6 20.74109 0.872 -85.6 68.2 40.6 29.5 27.0 89.37818 6- 7
1 -10.548 -17.740 1054.55055 00.1	,,,,	TAB NO	27 ATLAS PHOTO NO 27 POD SEQUENCE NO 475
JULY 31,1964 13 HR 18 MIN 45 SEC 678	MS	IAB NO	Zi Alexa Holo no zi Fos acquente no ma
TRAJECTURY DATA	S	EC TO IMPACT 423.122	ALT LAT LCN R V PTH AZ 931.85895 -6.210 -29.936 2667.314 2.206 -70.454 116.270
PHOTO DATA PT LAT LON RANGE AZS/C	A 2 AL	AZCIINI AZA	A. BIA AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
PT LAT LON RANGE AZS/C 1 -11.128 -19.530 1025.16826 -55.7	10.6	-81.4 33.1	21-13468 0-820 -89-3 68-6 40-1 30-9 27-8 0- 0- 1
1 -11.128 -19.530 1025.16826 -55.7 2 -11.881 -19.068 1051.76418 -58.0 3 -10.553 -19.943 1015.98275 -60.1	11.3	-81.2 32.0	21.12368 0.821 -88.3 70.1 38.2 34.8 31.0 49.03762 1-2 20.37188 0.872 -85.6 68.2 40.6 29.5 27.0 68.70841 2-3
3 -10.553 -19.943 1015.98275 -60.1 4 -10.353 -16.715 1064.20990 -65.6	11.1	-80.4 28.2	21.33249 0.805 -85.1 71.3 36.0 36.5 34.9 96.35287 3- 4
5 -13.331 -15.953 1097.79971 -56.4	13.2	-82.7 32.9	22.01239 0.762 -91.3 72.3 35.9 40.5 35.0 92.98453 4-5
6 -13.396 -19.367 1045.45546 -49.8 7 -10.553 -19.943 1015.98275 -60.1	9.6	-81.8 35.9 -80.1 31.1	20.95666 0.831 -91.2 69.0 40.5 34.0 26.8 100.62843 5-6 20.37188 0.872 -85.6 68.2 40.6 29.5 27.0 87.76870 6-7
, 101333			
		TAB NO	28 ATLAS PHOTO NO 28 POD SEQUENCE NO 489
JULY 31,1964 13 HR 18 MIN 57 SEC 437	MS		
TRAJECTURY DATA	MS S		28 ATLAS PHOTO NO 28 POD SEQUENCE NO 489  ALT LAT LON R V PTH AZ 907-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246
TRAJECTURY DATA	5	SEC TO IMPACT 411.362	ALT LAT LON R V PTH AZ 907.38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7	AZN 10.5	SEC TO IMPACT 411.362 AZSUN AZA -81.5 33.1	ALT LAT LON R V PTH AZ 9C7-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246 A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.773 998.46904 -55.7 2 -11.897 -18.115 1024.90694 -58.0	AZN 10.5 11.3	SEC TO IMPACT 411.362 AZSUN AZA -81.5 33.1 -81.2 32.0	ALT LAT LCN R V PTH AZ 9C7.38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 0.821 -88.3 70.1 38.2 34.8 30.9 48.86285 1-2
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.90694 -58.0 3 -10.564 -19.941 990.0839 -60.1	AZN 10.5 11.3	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2	ALT LAT LCN R V PTH AZ 907.38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 6.821 -86.3 70.1 38.2 34.8 30.9 48.86285 1-2 19.85266 0.872 -85.6 68.2 4C.6 29.4 27.0 66.92922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.906.94 -59.0 3 -10.564 -19.941 990.08839 -60.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.678 1069.00007 -56.4	AZN 10.5 11.3 9.6 11.0	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3	ALT LAT LON R V PTH AZ 2673.8403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 0.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 1 20.58428 0.821 -86.3 70.1 38.2 348. 30.9 48.86285 1-2.19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.92922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 39.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZ5/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.70694 -58.0 3 -10.564 -19.41 990.06839 -65.5 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1018.74206 -79.	AZN 10.5 11.3 9.6 11.0 13.2	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8	ALT LAT LON R V PTH AZ 907.38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246 26.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 0.821 -88.3 70.1 38.2 34.8 30.9 48.86285 1-2 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.99292 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 (.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.906.94 -59.0 3 -10.564 -19.941 990.08839 -60.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.678 1069.00007 -56.4	AZN 10.5 11.3 9.6 11.0 13.2	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2	ALT LAT LCN R V PTH AZ 907.38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 0.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 0.821 -88.3 70.1 38.2 34.8 .30.9 48.86285 1-2 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.92922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 0.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.773 998.46904 -55.7 2 -11.857 -18.115 1024.90694 -58.0 3 -10.564 -19.941 990.0839 -00.1 4 -10.369 -16.1797 1036.98499 -65.5 5 -13.270 -16.058 1069.60007 -56.4 6 -13.333 -19.381 1018.74206 -49.9 7 -10.564 -19.941 990.08839 -60.1	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2	ALT LAT LON R V PTH AZ C642.839 2.213 -70.334 116.246 267.38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 0.821 -86.3 70.1 38.2 34.8 30.9 48.86285 1-2 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.92922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 0.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.90894 -58.0 3 -10.564 -19.941 990.0839 -60.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1C18.74206 -49.9 7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HK 19 MIN 7 SEC 516	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO	ALT LAT LON R V PTH AZ 9C7-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -88.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 0.821 -86.3 70.1 38.2 34.8 30.9 48.86285 1-2 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.9292 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 0.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 886.35165 -6.366 -29.618 2621.807 2.220 -70.229 116.226
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.90894 -58.0 3 -10.564 -19.941 990.0839 -60.1 4 -10.369 -16.979 1036.98499 -65.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1C18.74206 -49.9 7 -10.564 -19.941 990.0839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516 TRAJECTORY DATA PHOTC DATA PT LAT LON RANGE AZS/C	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6	AZSUN AZA	ALT LAT LON R V PTH AZ 9C7.38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 0.821 -86.3 70.1 38.2 34.8 30.9 48.86285 1-2 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.9922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 (C.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 2621.807 2.220 -70.229 116.226
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.897 -18.115 1024.90694 -58.0 3 -10.564 -19.941 990.0839 -00.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.058 1069.60007 -56.4 6 -13.333 -19.381 1018.74206 -49.9 7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HK 19 MIN 7 SEC 516  TRAJECTURY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.091 -19.609 975.51646 -55.8	AZN 10-5 11-3 9-6 11-0 13-2 11-3 9-6	SEC TO IMPACT 411.362  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1	ALT LAT LON R V PTH AZ 9C7-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 20.58428 0.821 -89.3 68.6 40.2 30.8 27.7 0. 6-1 20.58428 0.821 -85.6 68.2 40.6 29.4 27.0 66.9292 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 30.9 48.86285 1-2 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 C.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 886.35165 -6.366 -29.618 2621.807 2.220 -70.229 116.226
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.70694 -58.0 3 -10.564 -19.941 990.0839 -65.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1C18.74206 -49.7 7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.091 -19.609 975.51646 -55.8	AZN 10-5 11-3 9-6 11-0 13-2 11-3 9-6 MS	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1	ALT LAT LON R V PTH AZ 9C7-38403 -6-293 -29-766 2642-839 2-213 -70-334 116-246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -88-3 68-6 40-2 30-8 27-7 0. 0-1 20.58428 0.821 -88-3 68-6 40-2 30-8 27-7 0. 0-1 20.586728 0.821 -88-5 68-2 40-6 29-4 27-0 66-9292 2-3 20.78679 0.806 -85-1 71-2 36-1 36-4 34-8 30-9 48.86285 1-2 21.44695 0.763 -91-3 72-2 35-9 40-4 34-9 90.55929 4-5 20.42120 C.831 -91-1 69-0 40-5 33-9 26-8 97-97416 5-6 19.85266 0.872 -85-6 68-2 40-6 29-4 27-0 85-50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 20.13053 0.821 -89-3 68-5 40-2 30-7 27-6 0. 0-1 20.11952 0.822 -88-3 70-0 38-2 34-7 30-9 48-2215 1-2 20.13053 0.821 -89-3 68-5 40-2 30-7 27-6 0. 0-1 20.11952 0.822 -88-3 70-0 38-2 30-7 27-6 5-39407 2-3 20.19659 0.872 -85-6 68-2 40-7 29-4 27-0 65-39407 2-3
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.837 -18.115 1024.70694 -58.0 3 -10.564 -19.941 990.0839 -60.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1C18.74260 -79.7 7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.091 -19.609 975.51646 -55.8 2 -11.837 -18.138 1001.76637 -58.0 3 -10.572 -19.443 967.78215 -60.0 4 -10.382 -10.871 1013.872524 -65.0	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 MS	AZSUN AZA -80.1 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2	ALT LAT LON R V PTH AZ  9C7-38403 -6-293 -29-766 2642-839 2.213 -70-334 116-246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  20.59529 0.821 -89-3 68-6 40.2 30.8 27.7 0. 0-1  20.58428 0.821 -89-3 68-6 40.2 30.8 27.7 0. 66-9292 2-3  20.78679 0.806 -85-1 71.2 36-1 36-4 34-8 30.9 48.86285 1-2  10.48655 0.763 -91.3 72.2 35-9 40.4 34-8 93.84235 3-4  21.44695 0.763 -91.3 72.2 35-9 40.4 34-9 90.55929 4-5  20.42120 C.831 -91.1 69-0 40.5 33-9 26.8 97-97416 5-6  19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85-50889 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ  886.35165 -6.366 -29-618 2621-807 2-220 -70-229 116-226  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PI-PT  20.11952 0.822 -88-3 70.0 38-2 34-7 30.9 48-2215 1-2  19.40539 0.821 -89-3 68-5 40.2 30-7 27-6 0. 0-1  20.31655 0.807 -85.6 68.2 40.7 29-4 27-0 65-39407 2-3  19.40539 0.872 -85.6 68.2 40.7 29-4 27-0 65-39407 2-3  19.40539 0.872 -85.6 68.2 40.7 29-4 27-0 65-39407 2-3  19.40539 0.872 -85.6 68.2 40.7 29-4 27-0 65-39407 2-3  10.31656 0.807 -85.1 71.2 36-1 36-3 34-7 91-67591 3-4
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.773 998.46904 -55.7 2 -11.857 -18.115 1024.90694 -58.0 3 -10.564 -19.941 990.0839 -0.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.058 1069.60007 -56.4 6 -13.333 -19.381 1018.74260 -49.7 7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516 TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.091 -19.609 975.51646 -55.8 2 -11.837 -18.158 1001.76637 -96.0 4 -10.382 -16.871 1013.52524 -65.5 5 -13.216 -16.871 1013.52524 -65.5	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 MS	SEC TO IMPACT 411.362  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO  SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.3 28.3 -82.7 32.9	ALT LAT LON R V PTH AZ  9C7-38403 -6-293 -29-766 2642-839 2.213 -70-334 116-246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  20.59529 0.821 -89-3 68-6 40-2 30-8 27-7 0. 0-1  20.58428 0.821 -86-3 70-1 38-2 34-8 30-9 48-86285 1-2  19.85266 0.872 -85-6 68-2 40-6 29-4 27-0 66-9292 2-3  20.78679 0.806 -85-1 71-2 36-1 36-4 34-8 93.84235 3-4  21.44695 0.76-3 -91-3 72-2 35-9 40-4 34-9 90.55929 4-5  20.42120 C.831 -91-1 65-0 40-5 33-9 26-8 97-97416 5-6  19.85266 0.872 -85-6 68-2 40-6 29-4 27-0 85-50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ  886-35165 -6-366 -29-618 2621-807 2-220 -70-229 116-226  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  20.11952 0.822 -88-3 70-0 38-2 38-7 30-9 48-62115 1-2  19.40539 0.872 -85-6 68-2 40-7 29-4 27-0 65-39407 2-3  10.31655 0.807 -85-1 71-2 36-1 36-3 34-7 91-67591 3-4  20.31655 0.807 -85-1 71-2 36-1 36-3 34-7 91-67591 3-4  20.31655 0.807 -85-1 71-2 36-1 36-3 34-7 91-67591 3-4  20.95974 0.765 -91-3 72-1 35-9 40-2 34-8 88-47024 4-5  19.95997 0.832 -91-1 69-0 40-5 33-8 26-8 95-88441 5-6
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.837 -18.115 1024.70694 -58.0 3 -10.564 -19.941 990.0839 -60.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1C18.74260 -79.7 7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTURY DATA PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.091 -19.609 975.51646 -55.8 2 -11.837 -18.138 1001.76637 -58.0 3 -10.572 -19.443 967.78215 -60.0 4 -10.382 -10.871 1013.872524 -65.0	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 MS	SEC TO IMPACT 411.362  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO  SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.3 28.3 -82.7 32.9	ALT LAT LON 2642-839 2.213 -70.334 116.246  A- B/A AZPHAZ INCD PHAZ EMIS ALPHA 5CALE PT-PT 20.13053 0.821 -89.3 68.5 40.2 30.8 27.7 0. 0-1 20.55266 0.872 -85.6 68.2 40.6 29.4 27.0 66.9922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 30.9 48.86285 1-2 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.9922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 0.891 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7 29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501 886.35165 -6.366 -29.618 2621.807 2.220 -70.229 116.226 20.13053 0.821 -89.3 68.5 40.2 30.7 27.6 0. 0-1 20.11952 0.822 -88.3 70.0 38.2 36.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 91.67591 3-4 20.99574 0.765 -91.3 72.1 35.9 40.2 34.8 88.47022 4-5
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.10# -19.573 998.46904 -55.7  2 -11.857 -18.115 1024.90694 -58.0  3 -10.564 -19.941 990.0839 -65.5  5 -13.270 -16.658 1069.60007 -56.4  6 -13.33 -19.81 1C18.74206 -76.9  7 -10.564 -19.941 990.0839 -60.1  JULY 31.1964 13 HR 19 MIN 7 SEC 516  TRAJECTURY DATA  PHOTO DATA  PH	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 MS	SEC TO IMPACT 411.362  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.3 28.3 -82.7 32.9 -81.8 35.8	ALT LON R V PTH AZ  9C7-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT  20.59529 0.821 -88.3 68.6 40.2 30.8 27.7 0. 0-1  20.58428 0.821 -88.3 68.6 40.2 30.8 27.7 0. 66.9292 2-3  20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 30.9 48.86285 1-2  20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4  21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5  20.42120 C.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6  19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7   29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LON R V PTH AZ  20.13053 0.821 -89.3 68.5 40.2 30.7 27.6 0. 0-1  20.11952 0.822 -88.3 70.0 38.2 34.7 30.9 48.2215 1-2  20.13053 0.821 -89.3 68.5 40.2 30.7 27.6 0. 0-1  20.11952 0.822 -88.3 70.0 38.2 34.7 30.9 48.22115 1-2  21.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3  20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 91.67591 3-4  20.395974 0.765 -91.3 72.1 35.9 40.2 34.7 91.67591 3-4  20.395974 0.765 -91.3 72.1 35.9 40.2 34.7 91.67591 3-4  20.395978 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3  20.31655 0.807 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3  20.31655 0.807 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3  20.31655 0.807 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3  20.31655 0.807 -85.6 68.2 40.7 29.4 27.0 83.55686 6-7
TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.90894 -55.7 3 -10.564 -19.941 990.0839 -60.1 4 -10.369 -16.979 1036.98499 -65.5 5 -13.270 -16.058 1069.60007 -56.4 6 -13.333 -19.381 1C18.74206 -49.9 7 -10.564 -19.941 990.0839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516 TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.091 -19.609 975.51646 -55.8 2 -11.837 -18.158 1001.76637 -58.0 3 -10.572 -19.943 967.78215 -60.0 4 -10.382 -16.871 1013.52524 -65.5 5 -13.216 -16.152 1045.30180 -56.4 6 -13.279 -19.337 995.73039 -50.0 7 -10.572 -19.943 967.78215 -60.0	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 MS	SEC TO IMPACT 411.362  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO  SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.3 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO	ALT LAT LON R V PTH AZ 9C7-38403 -6-293 -29-766 2642-839 2.213 -70-334 116-246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -88-3 68-6 40.2 30.8 27-7 0. 0-1 20.58428 0.821 -88-3 68-6 40.2 30.8 27-7 0. 0-1 20.586728 0.821 -88-5 68-2 40.6 29-4 27-0 66-92922 2-3 20.78679 0.806 -85-1 71.2 36-1 36-4 34-8 30.9 48.86285 1-2 19.85266 0.872 -91-3 72-2 35-9 40.4 34-9 90.55929 4-5 20.42120 C.831 -91-1 69-0 40.5 33.9 26-8 97-97416 5-6 19.85266 0.872 -85-6 68-2 40.6 29-4 27-0 85-50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 20.13053 0.821 -89-3 68-5 40-2 30-7 27-6 0. 0-1 20.11952 0.822 -88-3 70-0 38-2 34-7 30-9 48-2215 1-2 19.40539 0.872 -85-6 68-2 40-7 29-4 27-0 65-39407 2-3 20.31655 0.807 -85-1 71-2 36-1 36-3 34-7 30-9 48-2215 1-2 19.40539 0.872 -85-6 68-2 40-7 29-4 27-0 65-39407 2-3 20.31655 0.807 -85-1 71-2 36-1 36-3 34-7 31-67591 3-4 20.19574 0.765 -91-3 72-1 35-9 40-2 34-8 88-47025 4-5 19.95995 0.832 -91-1 69-0 40-5 33-8 26-8 95-68441 5-6 19.40539 0.872 -85-6 68-2 40-7 29-4 27-0 83-55686 6-7 30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE -55.7 2 -11.877 -18.115 1024-90694 -58.0 3 -10.564 -19.941 990.0839 -00.1 4 -10.369 -16.978 1038-80499 -55.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1018.74206 -49.9 7 -10.564 -19.941 990.08839 -00.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZ5/C 1 -11.091 -19.609 975.51646 -55.8 2 -11.837 -18.158 1001.76637 -58.0 3 -10.572 -19.43 967.78215 -60.0 4 -10.382 -10.871 1013.52524 -65.5 5 -13.279 -19.397 995.73039 -50.0 7 -10.572 -19.943 967.78215 -60.0  JULY 31,1964 13 HR 19 MIN 7 SEC 599  TRAJECTORY DATA	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 11.0 11.3 9.6 11.0 11.3 9.6	SEC TO IMPACT 411.362  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO  SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.3 32.9 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO	ALT LAT LON R V PTH AZ 9C7-38403 -6.293 -29.766  2642.839 2.213 -70.334 116.246  A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -86.3 70.1 3H.2 34.8 30.9 48.86285 1-2 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.92922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44669 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 C.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 20.13053 0.821 -89.3 68.5 40.2 30.7 27.6 0. 0-1 20.11952 0.822 -88.3 70.0 38.2 34.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31655 0.807 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31655 0.807 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31659 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31659 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31659 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31659 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31659 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31659 0.872 -85.6 68.2 40.7 29.4 27.0 83.55686 6-7 30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE -55.7 2 -11.877 -18.115 1024.90694 -58.0 3 -10.564 -19.941 990.0839 -00.1 4 -10.369 -16.978 1038.08099 -55.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1018.74206 -49.9 7 -10.564 -19.941 990.08839 -00.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZ5/C 1 -11.091 -19.609 975.51646 -55.8 2 -11.837 -18.158 1001.76637 -58.0 3 -10.572 -19.43 967.78215 -60.0 4 -10.382 -10.871 1013.52524 -65.5 5 -13.279 -19.397 995.73039 -50.0 7 -10.572 -19.943 967.78215 -60.0  JULY 31,1964 13 HR 19 MIN 7 SEC 599  TRAJECTORY DATA	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 11.0 11.3 9.6 11.0 11.3 9.6	SEC TO IMPACT 411.362  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO  SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.3 32.9 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO	ALT LAT LON R V PTH AZ 9C7-38403 -6-293 -29-766 2642-839 2.213 -70-334 116-246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89-3 68-6 40-2 30-8 27-7 0. 0-1 20.58428 0.821 -86-3 70-1 38-2 34-8 30-9 48-86285 1-2 19.85266 0.872 -85-6 68-2 40-6 29-4 27-0 66-9292 2-3 20.78679 0.806 -85-1 71-2 36-1 36-4 34-8 93.84235 3-4 21.44695 0.76-3 -91-3 72-2 35-9 40-4 34-9 90.55929 4-5 20.42120 C.831 -91.1 65-0 40-5 33-9 26-8 97-97416 5-6 19.85266 0.872 -85-6 68-2 40-6 29-4 27-0 85-50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 86-35165 -6-366 -29-618 2621-807 2-220 -70-229 116-226  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.13053 0.821 -89-3 68-5 40-2 30-7 27-6 0 0 0-1 20.11952 0.822 -88-3 70-0 38-2 38-7 30-9 48-62115 1-2 19.40539 0.872 -85-6 68-2 40-7 29-4 27-0 65-39407 2-3 20.31655 0.807 -85-1 71-2 36-1 36-3 34-7 91-07591 3-4 20.95974 0.765 -91-3 72-1 35-9 40-2 34-8 88-47024 4-5 19.40539 0.872 -85-6 68-2 40-7 29-4 27-0 83-55686 6-7 30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 865-26907 -6-439 -29-468 2600-724 2-227 -70-123 116-205
PHOTO DATA  PHOTO DATA  PT LAT LON RANGE -55.7 2 -11.877 -18.115 1024.90694 -58.0 3 -10.564 -19.941 990.0839 -00.1 4 -10.369 -16.978 1038.08099 -55.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1018.74206 -49.9 7 -10.564 -19.941 990.08839 -00.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON RANGE AZ5/C 1 -11.091 -19.609 975.51646 -55.8 2 -11.837 -18.158 1001.76637 -58.0 3 -10.572 -19.43 967.78215 -60.0 4 -10.382 -10.871 1013.52524 -65.5 5 -13.279 -19.397 995.73039 -50.0 7 -10.572 -19.943 967.78215 -60.0  JULY 31,1964 13 HR 19 MIN 7 SEC 599  TRAJECTORY DATA	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 11.0 11.3 9.6 11.0 11.3 9.6	SEC TO IMPACT 411.362  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO  SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.3 32.9 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO	ALT LAT LON R V PTH AZ 9C7-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.92922 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 30.9 48.86285 1-2 11.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 C.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 866.35165 -6.366 -29.618 2621.807 2.220 -70.229 116.226  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 19.40539 0.872 -85.6 68.2 40.6 230.7 27.6 0. 0-1 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 85.50589 6-7  30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513  ALT LAT LON R V PTH AZ 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.39407 2-3 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 91.67591 3-4 20.95974 0.765 -91.3 72.1 35.9 40.2 34.8 88.47024 4-5 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 83.55686 6-7  30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 865.26907 -6.439 -29.468 2600.724 2.227 -70.123 116.205  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 19.60428 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0-1 19.40539 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0-1 19.40539 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0-1 19.40539 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0-1 19.40539 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0-1 19.40539 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0-1 19.40539 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0-1 19.40539 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0-1 19.40540 0.823 -88.3 70.0 38.3 34.6 30.8 69.32894 1-2
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.108 -19.573 998.46904 -55.7  2 -11.857 -18.115 1024.90694 -58.0  3 -10.564 -19.941 990.0839 -60.1  4 -10.369 -16.797 1036.98499 -65.5  5 -13.270 -16.058 1069.60007 -56.4  6 -13.333 -19.381 1C18.74260 -49.6  7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.091 -19.609 975.51646 -55.8  2 -11.837 -18.158 1001.76637 -58.0  3 -10.572 -19.943 967.78215 -60.0  JULY 31,1964 13 HR 19 MIN 7 SEC 596  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C  1 -11.074 -19.645 92.50091 -55.8  2 -11.816 -18.202 978.55202 -58.0  3 -10.581 -19.645 92.50091 -55.8  2 -11.816 -18.202 978.55202 -58.0  3 -10.581 -19.645 92.50091 -55.8  2 -11.816 -18.202 978.55202 -58.0	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 MS AZN 10.5 11.3 9.6	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2  TAB NO SEC TO IMPACT 391.204  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2  TAB NO	ALT LAT LON R V PTH AZ 9C7-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.9292 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 C.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 20.13053 0.821 -89.3 68.5 40.2 20.2 27.6 0. 0-1 20.11952 0.822 -89.3 68.5 40.2 30.7 27.6 0. 0-1 20.31655 0.807 -85.6 68.2 40.6 23.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.99407 2-3 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.99407 2-3 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 91.67591 3-4 20.95974 0.765 -91.3 72.1 35.9 40.2 34.8 88.47024 4-5 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 83.55686 6-7  30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 865.26907 -6.439 -29.468 2600.724 2.227 -70.123 116.205  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 865.26907 -6.439 -29.468 2600.724 2.227 -70.123 116.205  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 19.65328 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0- 1 19.65328 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0- 1 19.65328 0.823 -88.3 70.9 38.3 34.6 30.8 48.385894 1-2 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.90894 -58.0 3 -10.564 -19.941 990.0839 -60.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1C18.74206 -49.9 7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.091 -19.609 975.51646 -55.8 3 -10.572 -19.943 967.78215 -60.0 4 -10.382 -10.871 1013.52524 -65.5 5 -13.216 -16.152 1045.30180 -56.4 6 -13.279 -19.947 995.73039 -50.0  JULY 31,1964 13 HR 19 MIN 7 SEC 59  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -10.572 -19.943 967.78215 -60.0  JULY 31,1964 13 HR 19 MIN 17 SEC 59  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.074 -19.645 952.50091 -55.8 2 -11.816 -18.202 978.55202 -58.0 3 -10.581 -19.944 48.540273 -60.0	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 MS AZN 10.5 11.2 9.6 11.0 13.1 11.3 9.6	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2  TAB NO SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2  TAB NO SEC TO IMPACT 391.204  AZSUN AZA -81.5 33.1 -82.7 32.9 -80.1 31.2  TAB NO	ALT LAT LON R V PTH AZ 9C7-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.9292 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 30.9 48.86285 1-2 10.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 C.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 20.13053 0.821 -89.3 68.5 40.6 29.4 27.0 85.50589 6-7 20.11952 0.822 -88.3 70.0 38.2 36.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.6 230.7 27.6 0. 0-1 19.595974 0.765 -91.3 72.1 35.9 40.2 30.7 27.6 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 91.67591 3-4 20.95979 0.832 -91.1 69.0 40.5 33.8 26.8 95.88441 5-6 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 85.50686 6-7 30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 865.26907 -6.439 -29.468 2600.724 27.0 83.55686 6-7 30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513
TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C 1 -11.108 -19.573 998.46904 -55.7 2 -11.857 -18.115 1024.90894 -58.0 3 -10.564 -19.941 990.0839 -60.1 4 -10.369 -16.797 1036.98499 -65.5 5 -13.270 -16.658 1069.60007 -56.4 6 -13.333 -19.381 1C18.74206 -49.9 7 -10.564 -19.941 990.08839 -60.1  JULY 31,1964 13 HR 19 MIN 7 SEC 516  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.091 -19.609 975.51646 -55.8 3 -10.572 -19.943 967.78215 -60.0 4 -10.382 -10.871 1013.52524 -65.5 5 -13.216 -16.152 1045.30180 -56.4 6 -13.279 -19.943 967.78215 -60.0  JULY 31,1964 13 HR 19 MIN 7 SEC 59  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -10.572 -19.943 967.78215 -60.0  JULY 31,1964 13 HR 19 MIN 17 SEC 59  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C 1 -11.074 -19.645 952.50091 -55.8 2 -11.816 -18.202 978.55202 -58.0 3 -10.581 -19.944 48.540273 -60.0	AZN 10.5 11.3 9.6 11.0 13.2 11.3 9.6 MS AZN 10.5 11.2 9.6 11.0 13.1 11.3 9.6	AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2 -80.4 28.3 -82.7 32.9 -81.8 35.8 -80.1 31.2  TAB NO SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2  TAB NO SEC TO IMPACT 401.283  AZSUN AZA -81.5 33.1 -81.2 32.0 -80.1 31.2  TAB NO SEC TO IMPACT 391.204  AZSUN AZA -81.5 33.1 -82.7 32.9 -80.1 31.2  TAB NO	ALT LAT LON R V PTH AZ 9C7-38403 -6.293 -29.766 2642.839 2.213 -70.334 116.246  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 20.59529 0.821 -89.3 68.6 40.2 30.8 27.7 0. 0-1 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 66.9292 2-3 20.78679 0.806 -85.1 71.2 36.1 36.4 34.8 93.84235 3-4 21.44695 0.763 -91.3 72.2 35.9 40.4 34.9 90.55929 4-5 20.42120 C.831 -91.1 69.0 40.5 33.9 26.8 97.97416 5-6 19.85266 0.872 -85.6 68.2 40.6 29.4 27.0 85.50589 6-7  29 ATLAS PHOTO NO 29 POD SEQUENCE NO 501  ALT LAT LON R V PTH AZ 20.13053 0.821 -89.3 68.5 40.2 20.2 27.6 0. 0-1 20.11952 0.822 -89.3 68.5 40.2 30.7 27.6 0. 0-1 20.31655 0.807 -85.6 68.2 40.6 23.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.99407 2-3 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 30.9 48.62115 1-2 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 65.99407 2-3 20.31655 0.807 -85.1 71.2 36.1 36.3 34.7 91.67591 3-4 20.95974 0.765 -91.3 72.1 35.9 40.2 34.8 88.47024 4-5 19.40539 0.872 -85.6 68.2 40.7 29.4 27.0 83.55686 6-7  30 ATLAS PHOTO NO 30 POD SEQUENCE NO 513  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 865.26907 -6.439 -29.468 2600.724 2.227 -70.123 116.205  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 865.26907 -6.439 -29.468 2600.724 2.227 -70.123 116.205  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 19.65328 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0- 1 19.65328 0.822 -89.3 68.5 40.3 30.6 27.5 0. 0- 1 19.65328 0.823 -88.3 70.9 38.3 34.6 30.8 48.385894 1-2 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3 18.99665 0.872 -85.6 68.2 40.7 29.4 27.0 63.85504 2-3

			RA-VII CAMERA	P4			6
JULY 31,1964 13 HR	10 MIN 27	CEC 475 NC	TAB NO	31	ATLAS PHOTO NO	31	POD SEQUENCE NO 525
TRAJECTORY DATA	19 mln 27	3EC 015 M3	SEC TO IMPACT	ALT	LAT LCN		V DTU A7
DUCTO CLTA			381.124		-6.514 -29.315	R 2579.591	V PTH AZ 2.234 -70.015 116.184
PT LAT LCN 1 -11.057 -19.680			AZSUN AZA	A*	8/A AZPHAZ INCD 0.822 -89.3 68.5		
2 -11.794 -18.246	955.27285	-58.0 11.2	-81.2 32.0	19.18574	0.823 ~88.3 69.9	38.3 34.6	30.8 48.09255 1- 2
3 -10.589 -19.945 4 -10.407 -17.019	966.39909	-65.4 11.0	-80.1 31.2 -80.3 28.5	19.37194	C.873 -85.6 68.2 O.809 -85.1 71.0	36.1 36.1	34.5 87.33169 3- 4
5 -13.109 -16.339 6 -13.169 -19.427	996.50579	-56.4 13.0	-82.6 32.8 -81.9 35.6	TA*A9131	0.767 -91.3 71.9 0.833 -91.1 68.9	30 a U. 4 U a U	<u> </u>
7 -10.589 -19.945		-60.0 9.6	-80.1 31.2	18.50658	0.873 -85.6 68.2	40.7 29.4	27.0 79.64332 6- 7
JULY 31,1964 13 HR			TAB NO	32	ATLAS PHOTO NO	32	POD SEQUENCE NO 537
TRAJECTORY DATA			SEC TO IMPACT	AL T	LAT LON	R	V PTH AZ
PHOTC DATA	D 44:05	12040 120	371.045		-6.590 -29.159		2.241 -69.906 116.162
PT LAT LCN 1 -11.040 -19.716	906.27803	-55.8 10.4	AZ SUN AZ A -81.5 33.0	A+ 18-72837	B/A AZPHAZ INCD 0.823 -89.3 68.4	40.4 30.4	27.4 0. 0-1
2 -11.770 -18.286 3 -10.594 -19.943	931.95988. 900.47169	-58.0 11.1 -60.0 9.6	-81.2 32.0 -80.1 31.2	18.71753 18.05572	0.82488.3 69.9 0.873 -85.6 68.2	.38.3 34.5 40.7 29.4	30.7 47.87415 1- 2 26.9 60.77346 2- 3
4 -10.417 -17.089 5 -13.052 -16.429	942.78609	-65.4 11.0	-80.3 28.5	18.89863	0.810 -85.1 71.0	36.1 36.1	34.4 85.16687 3- 4
6 -13.111 -19.439	926.29999	-50.2 11.2	-82.6 32.8 -81.9 35.5	18.56824		40.6 33.7	34.5 82.18038 4- 5 26.7 88.81384 5- 6
7 -10.594 -19.943	900.4/169	-00.0 7.0	30.1 21.2	18.05572		40.7 29.4	26.9 77.67907 6- 7
JULY 31,1964 13 HR	19 MIN 46	SEC 154 MS	TAB NO	33	ATLAS PHOTO NO	33	POD SEQUENCE NO 547
TRAJECTORY DATA			SEC TO IMPACT 362.645		LAT LON -6.655 -29.027	R 2540.712	V PTH AZ 2.247 -69.813 116.143
PHOTO DATA PT LAT LON	RANGE	A7S/C A7N	AZSIIN AZA	A. <b>.</b>	B/A AZPHAZ INCO	DHA7 EMIC	ALPHA SCALE PT-PT
PT LAT LON 1 -11.026 -19.745 2 -11.750 -18.318 3 -10.599 -19.940	886.94147	-55.9 10.4	-81.5 32.9	18.33727	0.823 -89.3 68.4	40.4 30.3	27.3 0. 0-1
2 -11.750 -18.318 3 -10.599 -19.940	881.69070	-58.0 11.1 -60.0 9.6	-81.2 32.0 -80.1 31.2	18.32654	0.823 -89.3 68.4 0.824 -88.3 69.9 0.873 -85.6 68.2	38.3 34.5 40.7 29.4	30.7 47.70826 1 2 27.0 59.48967 2-3
4 -10.425 -17.147 5 -13.005 -16.503	923.07236	-65.3 11.0	-80.3 28.5	18.50347	0.81C -85.1 70.9 0.77C -91.2 71.8	36.1 36.0	34.4 83.36358 3- 4
6 -13.063 -19.447	906.92856	-50.3 11.1	-81.9 35.4	18.17995	0.834 -91.1 68.9	40.6 33.6	26.7 86.91289 5- 6
7 -10.599 -19.940	881.69070	-60.0 9.6	-80.1 31.2		0.873 -85.6 68.2		
JULY 31,1964 13 HR			TAB NO	34	ATLAS PHOTO NO	34	POD SEQUENCE NO 555
TRAJECTORY DATA							
					LAT LON -6.707 -28.920	R 2526 531	
PHOTO DATA			355.926	791.07562	-6.707 -28.920	2526.531	2.252 -69.738 116.128
PHOTO DATA PT LAT LON 1 -11.015 -19.768	RANGE 871.43929	AZS/C AZN -55.9 10.4	355.926 AZSUN AZA -81.5 32.9	791.07562 A* 18.02427	-6.707 -28.920 B/A AZPHAZ INCD 0.824 -89.3 68.4	2526.531 PHAZ EMIS 40.5 30.3	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0- 1
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343	896.91342	~58.1 11.1	355.926  AZSUN AZA -81.5 32.9 -81.2 31.9	791.07562 A= 18.02427 18.01365	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0- 1 30.7 47.62359 1- 2
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191	896.91342 866.65455 907.30080	-58.1 11.1 -60.1 9.6 -65.3 11.0	355.926  AZSUN AZA -81.5 32.9 -81.2 31.9 -80.1 31.1 -80.3 28.6	791.07562 A= 18.02427 18.01365 17.37764 18.18734	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560	896.91342 866.65459 907.30080 935.32892	-58.1 11.1 -60.1 9.6 -65.3 11.0 -56.5 12.8	355.926  AZSUN AZA -81.5 32.9 -81.2 31.9 -80.1 31.1 -80.3 28.6 -82.6 32.7	791.07562 A* 18.02427 18.01365 17.37764 18.18734 18.75463	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 36.0 39.7	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0- 1 30.7 47.62359 1- 2 27.0 58.46552 2- 3 34.3 81.92587 3- 4 34.3 79.03145 4- 5
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191	896.91342 866.65455 907.30080	-58.1 11.1 -60.1 9.6 -65.3 11.0	355.926  AZSUN AZA -81.5 32.9 -81.2 31.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3	791.07562 A= 18.02427 18.01365 17.37764 18.18734	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7 0.834 -91.1 68.9	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 36.0 39.7 40.6 33.6	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453	896.91342 866.65455 907.30080 935.32892 891.42355 866.65459	-58.111.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6	355.926  AZSUN AZA -81.5 32.9 -81.2 31.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3	791.07562 A* 18.02427 18.01365 17.37764 18.18734 18.75463 17.86915	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7 0.834 -91.1 68.9	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 36.0 39.7 40.6 33.6	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 340.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -10.560 6 -13.024 -19.453 7 -10.603 -19.936	896.91342 866.65455 907.30080 935.32892 891.42355 866.65459	-58.111.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 26.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO	791.07562 A. 18.02427 18.01365 17.37764 18.75463 17.86915 17.37764 35	-6.707 -28.920  8/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  0.77C -91.2 71.7 0.834 -91.1 68.9 0.873 -85.6 68.2  ATLAS PHOTO NO	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 39.7 40.6 33.6 40.7 29.4 35	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -10.560 6 -13.024 -19.453 7 -10.603 -19.936  JULY 31.1001 12 MP TRAJECTORY DATA PHOTO DATA	896.91342 866.65459 907.30080 935.32892 891.42355 866.65459	-58.1 11.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 26.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846	791.07562  A.  18.02427 18.01365 17.37764 18.75463 17.86915 17.37764  35	-6.707 -28.920  8/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7 0.834 -91.1 68.9 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.786 -28.758	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 36.0 39.7 40.6 33.6 40.7 29.4 35	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105
PT LAT LON 1 -11-015 -19-768 2 -11.735 -18-343 3 -10.603 -19-936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19-453 7 -10.603 -19-936  ULT 31,1021 12 PP TRAJECTORY DATA PT LAT LON	896.91342 866.65459 907.30080 935.32892 891.42355 866.65459	-58.1 11.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 9.6 -50.3 11.1 9.6 SFC 953 MS	355.926  AZSUN AZA -81.5 32.9 -81.2 31.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA	791.07562  A.  18.02427 18.01365 17.37764 18.18734 18.75463 17.86915 17.37764  35  ALT 769.75885	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.817 -85.1 70.9 0.71C -91.2 71.7 C.834 -91.1 68.9 C.873 -85.6 68.2  ATLAS PHOTO NO  LAT  LCN  -6.786 -28.758	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 21.2 0. 0-1 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105
PT LAT LON 1 -11-015 -19-768 2 -11.735 -16.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936  JULY 51.1001 12 40  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.382	896.61455 907.30080 935.32892 891.42355 866.65459 20 MIN 2 RANGE 848.13006 848.13006	-58.1 11.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -81.2 31.9	791.07562 A. 18.02427 18.01365 17.37764 18.18734 18.75463 17.86915 17.37764 35 ALT 769.75885 A. 17.55242 17.55242	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7 C.834 -91.1 68.9 C.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.786 -28.758  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8	2526.531 PHAZ EMIS 40.5 30.3 40.7 30.3 40.7 29.4 40.6 33.6 40.7 29.4 35 R 2505.214 PHAZ EMIS 40.5 30.2 88.3 34.4	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 27.2 10. 0-1 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2
PT LAT LON 1 -11-015 -19-768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936   TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.362 3 -10.609 -19.934	896.6145 907.30080 935.32892 931.4235 866.65459 20 MIN 2 RANGE 848.13006 873.42723 843.99305	-58.1 11.1 -60.1 9.6 -65.3 11.0 -50.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS AZS/C AZN -56.0 10.4 -58.1 11.1 -60.1 9.6	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMACO 345.846  AZSUN AZA -81.5 32.9 -81.2 31.9	791.07562  A.  18.02427 18.01365 17.37764 16.18734 16.75463 17.86915 17.37764  35  ALT 769.75885	-6.707 -28.920  8/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT -6.786 -28.758  8/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.825 -88.3 69.8	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 30.6 47.38841 1-2 27.1 0. 0-1 30.6 47.38841 1-2 27.0 75.91854 2-3
PT LAT LON 1 -11-015 -19-768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.382 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649	896. 61342 806. 65455 907. 30080 935. 32892 891. 42355 866. 65459 20 MIN 2 RANGE 848.13006 873. 42723 843. 99305 883. 51918 910. 72056	-58.1 11.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS AZS/C AZN -56.0 10.4 -58.1 11.1 -60.1 9.6 -65.3 11.0	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7	791.07562  A.  18.02427 18.01365 17.37764 16.18734 16.75463 17.86915 17.37764  35  ALT 769.75885	-6.707 -28.920  8/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT -6.786 -28.758  8/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.825 -88.3 69.8	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 30.6 47.38841 1-2 27.1 0. 0-1 30.6 47.38841 1-2 27.0 75.91854 2-3
PT LAT LON 1 -11.015 -19.768 2 -11.735 -16.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936  JULY 31.100 12 40  TRAJECTORY DATA PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.362 3 -10.609 -19.934 4 -10.443 -17.261	896.6945 907.30080 935.32892 891.42355 866.65459 20 MIN 2 RANGE 848.13006 873.42723 843.93005 843.1918 910.72056 868.05578	-58.1 11.1 1.1 -60.1 9.6 -65.3 11.0 -65.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS  AZS/C AZN -56.0 10.4 -58.1 11.1 -60.1 9.6 -65.3 11.0 -56.6 12.8 -50.4 11.1	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 24.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 24.6 -82.6 32.7 -80.1 31.9 -80.1 31.9	791.07562  A- 18.02427 18.01365 17.37764 18.75463 17.86915 17.37764  35  ALT 769.75885  A- 17.55242 17.51064 18.26120 17.40075	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7 C.834 -91.1 68.9 C.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.786 -28.758  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4 36.1 35.9 36.0 39.6	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0-0-1 30.7 4-62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AL 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 26.7 83.11057 5-6
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936   UV 51.100. 12 UP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.382 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649 6 -12.966 -19.464	896. 91342 866.65455 907.30080 935.32892 891.42355 866.65459 20 MIN 2 RANGE 848.13006 873.42723 843.9305 868.05578 843.99305	-58.1 11.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS AZS/C AZN -56.0 10.4 -58.1 11.1 -60.1 9.6 -55.3 11.0 -56.6 12.8 -50.4 11.1	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.2 -80.1 31.1  TAB NO	791.07562  A.  18.02427 18.01365 17.37764 18.18734 18.75463 17.86915 17.37764  35  ALT 769.75885  A. 17.55242 17.54195 16.92324 17.71064 18.26120 17.40075 16.92324 36	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT -28.758  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  C.831 -85.1 70.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LGRAF -28.758  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  ATLAS PHOTO NO  ATLAS PHOTO NO	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 35 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4 36.1 35.9 40.6 33.6 40.7 29.4 36.1 35.9 40.6 33.6 40.7 29.4	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 26.7 83.11057 5-6 27.0 72.75249 6-7  POD SEQUENCE NO 575
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936  GULY SILICK 13 MP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.998 19.803 2 -11.711 -18.382 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649 6 -12.966 -19.464 7 -10.609 -19.934	896. 91342 866.65455 907.30080 935.32892 891.42355 866.65459 20 MIN 2 RANGE 848.13006 873.42723 843.9305 868.05578 843.99305	-58.1 11.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS AZS/C AZN -56.0 10.4 -58.1 11.1 -60.1 9.6 -55.3 11.0 -56.6 12.8 -50.4 11.1	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.2 -80.1 31.1  TAB NO	791.07562  A.  18.02427 18.01365 17.37764 18.18734 18.75463 17.86915 17.37764  35  ALT 769.75885  A. 17.55242 17.54195 16.92324 17.71064 18.26120 17.40075 16.92324 36	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT -28.758  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  C.831 -85.1 70.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LCN -6.786 -28.758	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 35 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4 36.1 35.9 40.6 33.6 40.7 29.4 36.1 35.9 40.6 33.6 40.7 29.4	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 26.7 83.11057 5-6 27.0 72.75249 6-7  POD SEQUENCE NO 575
PT LAT LON 1-11.015 -19.768 2 -11.715 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936  JULY 21.106: 22 UP TRAJECTORY DATA PHOTO DATA PHOTO DATA 1-10.998 -19.803 2 -11.711 -18.382 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649 6 -12.966 -19.464 7 -10.609 -19.934  JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	896.65455 907.30080 935.32892 891.42355 866.65459 20 MIN 2 RANGE 848.13006 873.42723 843.99305 868.05578 843.99305	-58.1 11.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS AZS/C AZN -56.0 10.4 -58.1 11.1 -60.1 9.6 -65.3 11.0 -56.6 12.8 -50.4 11.1 -60.1 9.6 SEC 673 MS	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.2 -80.1 31.1  TAB NO  SEC TO IMPACT 339.127	791.07562  A.  18.02427 18.01365 17.37764 18.75463 17.86915 17.37764  35  ALT 769.75885  A. 17.55242 17.554195 16.92324 17.71064 18.26120 17.40075 16.92324 36  ALT 755.51791	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT -6.786 -28.758  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT -6.786 -28.758  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  C.811 -85.1 70.8 0.772 -91.2 71.6 0.835 -91.1 68.9 0.873 -85.6 68.2  ATLAS PHOTO NO	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4 36.1 35.9 40.6 33.6 40.7 29.4 36	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 27.0 72.75249 6-7  POD SEQUENCE NO 575  V PTH AZ 27.0 56.91854 6-7  POD SEQUENCE NO 575
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936  GULY SI.1001 12 MP  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.362 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649 6 -12.966 -19.464 7 -10.609 -19.934  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA	896, 91342 866, 65455 907, 30080 935, 32892 891, 42355 866, 65459 20 MIN 2 RANGE 848, 13006 873, 42723 843, 99305 843, 1918 910, 72056 868, 05578 843, 99305	-58.1 11.1 -60.1 9.6 -65.3 11.0 -56.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS -56.0 10.4 -56.0 10.4 -60.1 9.6 -58.1 11.1 -60.1 9.6 SEC 673 MS	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1  TAB NO	791.07562  A. 18.02427 18.01365 17.37764 18.75463 17.86915 17.37764  35  ALT 769.75885  A. 17.55242 17.54195 16.92324 17.1064 18.26120 17.40075 16.92324 36	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.786 -28.758  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.786 -21.758  B/A AZPHAZ INCD 0.825 -88.3 69.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.825 -91.1 68.9 0.873 -85.6 68.2  ATLAS PHOTO NO	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.1 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS 40.5 30.2 40.6 33.6 40.7 29.4 36.1 35.9 36.0 39.6 40.7 29.4 36 R 2490.973 PHAZ EMIS	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 26.7 83.11057 5-6 27.0 72.75249 6-7  POD SEQUENCE NO 575
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936   GULY 31.1001 12 UP  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.382 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649 6 -12.966 -19.464 7 -10.609 -19.934  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -19.826 2 -11.695 -19.826 2 -11.695 -19.826 2 -11.695 -19.826 2 -11.695 -19.826 2 -11.695 -18.412	896, 91342 896, 65455 907, 30080 935, 32892 891, 42355 866, 65459 20 MIN 2 RANGE 848, 13006 873, 42723 843, 99305 843, 1918 910, 72056 868, 05578 843, 99305 20 MIN 9	-58.1 11.1 -50.1 9.6 -65.3 11.0 -65.5 12.8 -50.3 11.1 -60.1 9.6 SFC 953 MS  AZS/C AZN -56.0 10.4 -58.1 11.1 -60.1 9.6 SEC 673 MS	AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1  TAB NO	791.07562  A. 18.02427 18.01365 17.37764 18.18734 18.75463 17.86915 17.37764  35  ALT 769.75885  A.2 17.55242 17.55242 17.1064 18.26120 17.40075 16.92324 36  ALT 755.51791 A. 17.236C8 17.22570	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.823 -88.3 69.8 0.873 -85.6 68.2 0.873 -85.6 68.2 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.786 -28.758  B/A AZPHAZ INCD 0.825 -88.3 69.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.786 -28.758  B/A AZPHAZ INCD 0.825 -88.3 69.4 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.825 -89.3 68.4 0.873 -85.6 68.2  ATLAS PHOTO NO	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 40.6 33.6 40.7 29.4 35  2505.214 PHAZ EMIS 40.5 30.2 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 39.6 40.7 39.6 40.6 33.6 40.7 29.4 36 2490.973 PHAZ EMIS 40.6 33.6 40.7 39.4 36 39.4 40.6 33.4 38.3 34.4 40.8 33.4 34.4 40.8 33.4 34.4 40.8 33.4 34.4 40.8 33.4 34.4 40.8 33.4 34.4 40.8 33.4 34.4 40.8 33.4 34.4 40.8 33.4 34.4 40.8 33.4 34.4 40.8 30.8 30.8 40.8 30.8 40.8 30.8 40.8 30.8 40.8 30.8 40.8 30.8 40.8 30.8 40.8 40.8 30.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 4	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 26.7 83.11057 5-6 27.0 72.75249 6-7  POD SEQUENCE NO 575  V PTH AZ 2.264 -69.548 116.089  ALPHA SCALE PT-PT 27.1 0. 0-1 34.3 79.75291 3-4 34.2 76.92363 4-5 27.0 72.75249 6-7  POD SEQUENCE NO 575
PT LAT LON 1 -11.015 -19.768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936  JULY 31.100 12 20  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.382 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649 6 -12.966 -19.464 7 -10.609 -19.934  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.987 -19.826 2 -11.695 -18.412 2 -11.695 -18.412 3 -10.612 -10.935	896, 91342 866, 65455 907, 30080 935, 32892 891, 42355 866, 65459 20 MIN 2 RANGE 848, 13006 873, 42723 843, 99305 843, 99305 20 MIN 9	-58.1 11.1 1.1 9.6 -65.3 11.0 -60.1 9.6 -56.5 12.8 -50.3 11.1 -60.1 9.6 -56.5 12.8 -50.3 11.1 -60.1 9.6 -65.3 11.0 -60.1 9.6 -65.3 11.0 -60.1 9.6 -65.3 11.0 -56.6 12.8 -50.4 11.1 -60.1 9.6 -56.6 12.8 -50.4 11.1 -60.1 9.6 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -60.1 9.6 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -61.9 35.2 -80.1 31.1  TAB NO  SEC TO IMPACT 339.127  AZSUN AZA -81.5 32.8 -81.2 31.9 -80.1 31.1	791.07562  A.  18.02427 18.01365 17.37764 18.18734 18.75463 17.86915 17.37764  35  ALT 769.75885  A. 17.55242 17.54195 16.92324 17.71064 18.26120 17.40075 16.92324 36  ALT 755.51791	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7 C.834 -91.1 68.9 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.786 -28.758  B/A AZPHAZ 1NCO 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.786 -68.2  ATLAS PHOTO NO  LAT LON -6.825 -88.3 68.4 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.839 -28.648  B/A AZPHAZ INCO 0.873 -85.6 68.2  ATLAS PHOTO NO	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4 36.0 39.6 40.7 29.4 36  R 2490.973 PHAZ EMIS 40.6 33.6 40.7 29.4 36  R 2490.973	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 27.0 72.75249 6-7  POD SEQUENCE NO 575  V PTH AZ 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 27.0 72.75249 6-7  POD SEQUENCE NO 575
PT LAT LON 1 -11-015 -19-768 2 -11.735 -18.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.560 6 -13.024 -19.453 7 -10.603 -19.936   TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.382 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649 6 -12.966 -19.464 7 -10.609 -19.934  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.987 -19.826 2 -11.695 -18.412 2 -11.695 -18.412 3 -10.612 -19.935	896, 91342 866, 65455 907, 30080 935, 32892 891, 42355 866, 65459 20 MIN 2 RANGE 848, 13006 873, 42723 843, 99305 843, 99305 20 MIN 9	-58.1 11.1 1.1 9.6 -65.3 11.0 -60.1 9.6 -56.5 12.8 -50.3 11.1 -60.1 9.6 -56.5 12.8 -50.3 11.1 -60.1 9.6 -65.3 11.0 -60.1 9.6 -65.3 11.0 -60.1 9.6 -65.3 11.0 -56.6 12.8 -50.4 11.1 -60.1 9.6 -56.6 12.8 -50.4 11.1 -60.1 9.6 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -60.1 9.6 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -61.9 35.2 -80.1 31.1  TAB NO  SEC TO IMPACT 339.127  AZSUN AZA -81.5 32.8 -81.2 31.9 -80.1 31.1	791.07562  A.  18.02427 18.01365 17.37764 18.18734 18.75463 17.86915 17.37764  35  ALT 769.75885  A. 17.55242 17.54195 16.92324 17.71064 18.26120 17.40075 16.92324 36  ALT 755.51791	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7 C.834 -91.1 68.9 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.786 -28.758  B/A AZPHAZ 1NCO 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.786 -68.2  ATLAS PHOTO NO  LAT LON -6.825 -88.3 68.4 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.839 -28.648  B/A AZPHAZ INCO 0.873 -85.6 68.2  ATLAS PHOTO NO	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4 36.0 39.6 40.7 29.4 36  R 2490.973 PHAZ EMIS 40.6 33.6 40.7 29.4 36  R 2490.973	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 27.0 72.75249 6-7  POD SEQUENCE NO 575  V PTH AZ 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 27.0 72.75249 6-7  POD SEQUENCE NO 575
PT LAT LON 1 -11.015 -19.768 2 -11.735 -16.343 3 -10.603 -19.936 4 -10.432 -17.191 5 -12.967 -16.566 6 -13.024 -19.453 7 -10.603 -19.936   JULY 31.100 12 up  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.998 -19.803 2 -11.711 -18.382 3 -10.609 -19.934 4 -10.443 -17.261 5 -12.911 -16.649 6 -12.966 -19.464 7 -10.609 -19.934  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.987 -19.826 2 -11.695 -18.412	896, 91342 866, 65455 907, 30080 935, 32892 891, 42355 866, 65459 20 MIN 2 RANGE 848, 13006 873, 42723 843, 99305 843, 99305 20 MIN 9	-58.1 11.1 1.1 9.6 -65.3 11.0 -60.1 9.6 -56.5 12.8 -50.3 11.1 -60.1 9.6 -56.5 12.8 -50.3 11.1 -60.1 9.6 -65.3 11.0 -60.1 9.6 -65.3 11.0 -60.1 9.6 -65.3 11.0 -56.6 12.8 -50.4 11.1 -60.1 9.6 -56.6 12.8 -50.4 11.1 -60.1 9.6 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -56.8 11.0 -60.1 9.6 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.3 11.0 -60.1 9.0 -65.	355.926  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -81.9 35.3 -80.1 31.1  TAB NO  SEC TO IMPACT 345.846  AZSUN AZA -81.5 32.9 -80.1 31.1 -80.3 28.6 -82.6 32.7 -61.9 35.2 -80.1 31.1  TAB NO  SEC TO IMPACT 339.127  AZSUN AZA -81.5 32.8 -81.2 31.9 -80.1 31.1	791.07562  A.  18.02427 18.01365 17.37764 18.18734 18.75463 17.86915 17.37764  35  ALT 769.75885  A. 17.55242 17.54195 16.92324 17.71064 18.26120 17.40075 16.92324 36  ALT 755.51791	-6.707 -28.920  B/A AZPHAZ INCD 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2 0.810 -85.1 70.9 0.77C -91.2 71.7 C.834 -91.1 68.9 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LCN -6.786 -28.758  B/A AZPHAZ 1NCO 0.824 -89.3 68.4 0.825 -88.3 69.8 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.786 -68.2  ATLAS PHOTO NO  LAT LON -6.825 -88.3 68.4 0.873 -85.6 68.2  ATLAS PHOTO NO  LAT LON -6.839 -28.648  B/A AZPHAZ INCO 0.873 -85.6 68.2  ATLAS PHOTO NO	2526.531 PHAZ EMIS 40.5 30.3 38.3 34.5 40.7 29.4 36.0 39.7 40.6 33.6 40.7 29.4 35  R 2505.214 PHAZ EMIS 40.5 30.2 38.3 34.4 40.7 29.4 36.0 39.6 40.7 29.4 36  R 2490.973 PHAZ EMIS 40.6 33.6 40.7 29.4 36  R 2490.973	2.252 -69.738 116.128  ALPHA SCALE PT-PT 27.2 0. 0-1 30.7 47.62359 1-2 27.0 58.46552 2-3 34.3 81.92587 3-4 34.3 79.03145 4-5 26.7 85.39874 5-6 27.0 74.72838 6-7  POD SEQUENCE NO 567  V PTH AZ 2.259 -69.625 116.105  ALPHA SCALE PT-PT 27.1 0. 0-1 30.6 47.38841 1-2 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 27.0 72.75249 6-7  POD SEQUENCE NO 575  V PTH AZ 27.0 56.91854 2-3 34.3 79.75291 3-4 34.2 76.92363 4-5 27.0 72.75249 6-7  POD SEQUENCE NO 575

	RA-VII CAMERA	P4	1
	TAB NO	37 ATLAS PHOTO NO	37 POD SEQUENCE NO 583
JULY 31,1964 13 HR 20 MIN 16 SEC 392			
TRAJECTORY DATA	SEC TO IMPACT 332.407	ALT LAT LON 741.25278 -6.893 -28.537	R V PTH AZ 2476.708 2.269 -69.471 116.074
2 -11.679 -18.442 841.90123 -58.1 3 -10.616 -19.336 813.58335 -60.1 4 -10.457 -17.362 851.58773 -65.2 5 -12.434 -16.775 877.68356 -56.6	AZN AZSUN AZA 10.3 -81.5 22.8 11.0 -81.2 31.9 9.6 -80.1 31.1 10.9 -80.2 28.7 12.7 -82.6 32.6 11.0 -82.0 35.1 9.6 -80.1 31.1	16.91906 0.825 -89.3 68.3 16.90878 0.826 -88.3 69.7 16.31348 0.873 -85.6 68.2 17.07059 C.812 -85.1 70.7 17.59877 0.773 -91.2 71.5 16.77225 0.835 -91.1 68.9	
JULY 31,1964 13 HR 20 MIN 23 SEL 112	TAB NO	38 ATLAS PHOTO NO	38 POD SEQUENCE NO 591
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTO DATA	325.688	726.96317 -6.948 -28.424	2462.418 2.274 -69.392 116.057
PT LAT LUN RANGE AZS/C 1 -10.966 -19.872 b01.30812 -56.0 2 -11.663 -18.472 b26.09038 -58.1 3 -10.620 -19.938 /98.32919 -60.1 4 -10.463 -17.412 b35.57362 -65.2 5 -12.796 -10.838 b61.12165 -56.6	AZN AZSUN AZA 10.3 -81.5 32.8 11.0 -81.2 31.9 9.6 -80.1 31.1 10.9 -80.2 28.7 12.6 -82.6 32.6 11.0 -82.0 35.0 9.6 -80.1 31.1	16.59124 0.826 -88.3 69.7 16.00762 C.873 -85.6 68.2 16.74959 0.813 -85.1 70.6 17.26668 C.774 -91.2 71.4 16.45708 0.836 -91.1 68.8	40.7 30.0 27.0 0. 0-1 38.3 34.3 30.5 46.63153 1-2 40.7 29.4 26.9 53.79527 2-3 36.1 35.8 34.1 75.36146 3-4 36.0 39.4 34.0 72.67969 4-5
JULY 31,1964 13 HR 20 MIN 29 SEC 831	TAB NO	39 ATLAS PHOTO NO	39 POD SEQUENCE NO 599
TRAJECTORY DATA	SEC TO EMPACT 318.968	ALT LAT LON 712.64911 -7.003 -28.310	R V PTH AZ 2448.104 2.279 -69.313 116.041
3 +10.624 -19.939 783.04334 -60.1 4 +10.470 -17.462 819.53005 -65.2 5 -12.758 -16.901 844.53246 -56.6	AZN AZSUN AZA	A* B/A AZPHAZ INCD 16.28316 0.826 -89.3 68.3 16.273C7 0.827 -88.2 69.7 15.7011 0.873 -85.6 68.2 16.428C0 0.813 -85.1 70.6 16.934C4 0.775 -91.2 71.4 16.14129 0.836 -91.1 68.8	
JULY 31,1964 13 HR 20 MIN 36 SEC 551	TAB NO	40 ATLAS PHOTO NO	40 POD SEQUENCE NO 607
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ
PHOTC DATA  PT LAT LON RANGE AZS/C 1-10.945 -19.917 /09.93970 -56.1 2-11.631 -18.528 /94.41470 -58.1 3-10.628 -19.937 767.75680 -60.1 4-10.478 -17.509 803.49991 -65.1 5-12.2120 -16.961 827.96285 -56.6 6-12.771 -19.513 789.47305 -50.7 7-10.628 -19.937 767.75680 -60.1		15.95506 0.827 -88.2 69.7 15.39460 0.873 -85.6 68.2 16.10668 0.814 -85.1 70.6 16.60180 0.776 -91.2 71.3 15.82556 0.836 -91.1 68.8	2433.766 2.284 -69.233 116.024  PHAZ EMIS ALPHA 40.7 29.8 26.8 0 0 1 38.3 34.2 30.5 46.18440 1-2 40.7 29.4 26.9 51.71330 2-3 36.1 35.7 34.0 72.43541 3-4 36.0 39.2 33.9 69.84888 4-5 40.6 33.4 26.7 75.41492 5-6 40.7 29.4 26.9 66.11668 6-7
JULY 31,1964 13 HR 20 MIN 44 SEC 951	MS TAB NO	41 ATLAS PHOTO NO	41 POD SEQUENCE NO 617
TRAJECTORY DATA	SEC TO [MPACT 303.849	ALT LAT LON 680.35129 -7.130 -28.049	R V PTH AZ 2415.807 2.291 -69.132 116.003
PHOTO DATA PT LAT LON RANGE AZS/C 1 -10.931 -19.945 750.27064 -56.1 2 -11.611 -18.562 774.57310 -58.2 3 -10.633 -19.935 748.59925 -60.1 4 -10.486 -17.569 (83.41460 -65.1 5 -12.672 -17.036 807.20680 -56.7 6 -12.723 -19.522 769.73550 -50.8 7 -10.633 -19.935 748.59925 -60.1	11.0 -81.2 31.8 9.6 -80.1 31.1 10.9 -80.2 28.8 12.5 -82.5 32.5 10.9 -82.0 34.8 9.6 -80.1 31.1	15.704C7 0.814 -85.1 70.5 16.18557 0.777 -91.2 71.2 15.42992 0.837 -91.1 68.8 15.01046 0.873 -85.6 68.2	40.6 29.7 26.8 0. 0-1 38.3 34.2 30.4 45.93670 1-2 40.7 29.4 26.9 50.41265 2-3 36.1 35.6 34.0 70.60878 3-4 36.0 39.1 33.8 68.07894 4-5 40.6 33.3 26.7 73.49.751 5-6 40.7 29.4 26.9 64.45267 6-7
JULY 31,1964 13 HR 20 MIN 49 SEC 990	MS TAB NO	42 ATLAS PHOTO NO	42 POD SEQUENCE NO 623
TRAJECTURY DATA	SEC TO IMPACT 298.809	ALT LAT LON 669.5571C -7.173 -27.960	R V PTH AZ 2405.012 2.295 -69.070 115.990
PHOTO DATA PT LAT LON RANGE AZS/C 1 -10.924 -19.961 738.44553 -56.1 2 -11.598 -18.580 762.67951 -58.2 3 -10.636 -19.932 737.10906 -60.1 4 -10.491 -17.602 771.38067 -65.1 5 -12.644 -17.077 794.771.55 -56.7 6 -12.693 -19.525 757.89977 -50.9 7 -10.636 -19.932 737.10906 -60.1	AZN AZSUN AZA 10.3 -81.5 32.7 10.9 -81.2 31.8 9.6 -80.1 31.1 10.9 -80.2 28.9 12.5 -82.5 32.5 10.9 -82.0 34.8	A** 8/A AZPHAZ INCC 15.32737 0.827 -8%.3 68.2 15.31769 0.828 -8%.2 69.6 14.78007 0.873 -85.6 68.2 15.46284 0.814 -8%.1 70.5 15.93627 0.777 -91.2 71.2 15.19267 0.837 -91.1 68.8 14.78007 0.873 -85.6 68.2	PHAZ EMIS ALPHA SCALE PT-PT 40.8 29.7 26.7 0. 0-1 38.3 34.2 30.4 45.84858 1-2 40.7 29.4 27.0 49.53625 2-3 36.1 35.6 33.9 69.51992 3-4 36.0 39.1 33.8 67.01999 4-5 40.6 33.3 26.7 72.35560 5-6

				RA+VII	CAMERA	P4						8
					TAB NO	43	ATLAS PHO	OTO NO	43	POD S	SEQUENCE N	0 631
JULY 31,1964 13 HR	20 MIN 56	SEC 710	MS		TAD ITO	73	AIDS III	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	73	, 05	ordorwor w	0 001
TRAJECTORY DATA					IMPACT	ALT	LAT -7.231 -	LCN	R		PTH -68.988 1	AZ
PHOTO DATA												
PT LAT LCN 1 ~10.913 -19.983	722.65022	-56.2	10.3	-81.5	32.6	A+ 15.00788	B/A AZPHA 0.827 -89.				0.	0-1
2 -11.582 -18.604	746.77943	-58.2	10.9	-81.2	31.8	14.99835	0.828 -88.	2 69.6	38.3 34.1	30.4	45.70652 48.59819 68.06413	1- 2
3 -10.640 -19.928 4 -10.498 -17.646	721.74859 755.29289	-60.1 -65.1	9.6	-80.1 -80.2	31•1 28•9	14.47207	C.873 -85. C.815 -85. C.778 -91.	6 68.2	40.7 29.4 36.1 35.6	33.9	48.59819	2- 3
5 -12.605 -17.134_	778.15131	-56.7	12.5	-82.5	32.5	15.603C1	0.778 -91.	2 71.1	36.0 39.0	33.8	03.004//	4-5
6 -12.653 -19.530 7 -10.640 -19.928	742.07818 721.74859	-50.9 -60.1	9.6	-62.0 -80.1	34.7	14.87552	0.837 -91. 0.873 -85.	1 68.8 6 68.2	40.6 33.3	26.7 27.0	70.82924 62.12295	
					TAB NO	44	ATLAS PH		44		SEQUENCE N	
JULY 31,1964 13 HR											-	
TRAJECTORY DATA				SEC TO	1 PPACT 050	AL T	LAT -7.274 -	LON	R 2270 77	V 2 304	PTH -68.925 1	AZ
PHOTC DATA												
PT LAT LON 1 -10-906 -20-000	710.76294	AZ\$/C	10.3	-81.5	AZ A 32 - 6	A* 14.76720	B/A AZPHA 0.827 -89.	2 INCD 3 68-2	40-9 29-5	26.6	SCALE 0.	
2 -11.570 -18.624	734.80110	-58.2	.10.9.	81.2	_31.8	14.75778_	0.828 -88.	2 69.6	38.3 34.1	30.4	45.54222	1- 2
3 +10.643 -19.927 4 -10.503 -17.682							0.872 -85.				47.81455 66.96374	2- 3
5 -12.576 -17.179	165.62780	-56.8	12.4	-82.5	32.4	15.35189	C.778 -91.	2 71.1	36.0 39.0	33.7	64.53895	4- 5
6 -12.624 -19.536 7 -10.643 -19.927	730.16365 710.17995	-51.0	10.8	-82.0	34.6	14.63669	C.837 -91. O.872 -85.	1 68.8	40.6 33.3	26.7	69.67568	
7 -10.643 -19.927	710.17995	-00.1				14.24010					61.11972	
JULY 31,1964 13 HR	21 MIN 10	SEC 149			TAB NO	45	ATLAS PH	DIO NO	45	POD	SEQUENCE N	0 647
TRAJECTORY DATA				SEC TO	IMPACT		LAT	LCN	R	. v.	PTH	AZ
PHOTO DATA					650		-7.348 -	27.597	2361.69	1 2.311		
PHOTC DATA PT LAT LON 1 -10.893 -20.027 2 -11.549 -18.661 3 -10.648 -19.927 4 -10.512 -17.745	RANGE	AZS/C	AZN	AZSUN	AZA	A=	B/A AZPHA	Z INCD	PHAZ EMIS	ALPHA	SCALE	PT-P1
2 -11.549 -18.661	714.75306	-58.2	10.9	-81.2	31.8	14.35513	0.827 -89. 0.828 -88. 0.872 -85.	2 69.5	38.3 34.1	30.4	SCALE 0. 45.19011 46.50144	1- 2
3 -10.648 -19.927	690.82103	-60.1	9.6	-80.1	31.1	13.85193	0.872 -85.	5 68.2	40.7 29.4	27.0		
4 -10.512 -17.745 5 -12.528 -17.257	722.87302	-65.0 -56.8	10.9	-80.1 -82.5	28.9	14.49050	C.816 -85. C.779 -91.	1 70.3	36.1 35.5	33.8	65.11823	3- 4 4- 5
6 -12.575 -19.547	710.22795						C.838 -91				67.74142	
7 10 /// 10 007												
7 -10.648 -19.927	690.82103	-60.1	9.6	-80.1		13.85193	0.872 -85.	5 68.2	40.7 29.4	27.0	59.44189	6- 7
JULY 31,1964 13 HR						13.85193 46	0.872 -85. ATLAS PH	5 68.2	40.7 29.4 46	27.0	59.44189 SEQUENCE N	6- 7
JULY 31,1964 13 HR	21 MIN 16	SEC 869	MS		31.1 TAB NO	13.85193 46	0.872 -85. ATLAS PH	5 68.2 OTO NO	40.7 29.4 46	27.0 POD	SEQUENCE N	6- 7
JULY 31,1964 13 HR TRAJECTORY DATA	21 MIN 16	SEC 869	MS	SEC TO 271.	TAB NO	13.85193 46 ALT 611.74298	0.872 -85.  ATLAS PH	0TO NO LON -27.472	40.7 29.4 46 R 2347.19	POD V 8 2.316	PTH 5 -68.734 1	6- 7 0 655 AZ 15.918
JULY 31,1964 13 HR TRAJECTORY DATA	21 MIN 16	SEC 869	MS	SEC TO 271.	TAB NO	13.85193 46 ALT 611.74298	0.872 -85.  ATLAS PH	0TO NO LON -27.472	40.7 29.4 46 R 2347.19	POD V 8 2.316	PTH 5 -68.734 1	6- 7 0 655 AZ 15.918
JULY 31,1964 13 HR TRAJECTORY DATA	21 MIN 16	SEC 869	MS	SEC TO 271.	TAB NO	13.85193 46 ALT 611.74298	0.872 -85.  ATLAS PH	0TO NO LON -27.472	40.7 29.4 46 R 2347.19	POD V 8 2.316	PTH 5 -68.734 1	6- 7 0 655 AZ 15.918
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690	21 MIN 16  RANGE 675.07056 698.670.43	AZS/C -56.3 -58.3	MS	SEC TO 271. AZSUN -81.5 -81.2	31.1 TAB NO IMPACT .931 ^ZA 32.5 31.7	ALT 611.74298 A• 14.04124 14.03213	ATLAS PH	LON 27.472 AZ INCD 3 68.1	R 2347-19 PHAZ EMIS 41-0 29-4	POD  V 8 2.316 ALPHA 26.5 1.30.3	PTH 5 -68.734 1 SCALE 0. 44.89425	AZ 15.918 PT-PT 0-1 1-2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795	RANGE 675-07056 698-67043 675-28980 706-59302	AZS/C -56.3 -58.3 -60.1 -65.0	AZN 10.2 10.9 9.6 10.9	SEC TO 271. AZSUN -81.5 -81.2	31.1 TAB NO IMPACT .931 ^ZA 32.5 31.7	ALT 611.74298 Ae 14.04124 14.03213 13.54050 14.16417	LAT -7.408 -8/4 AZPHI 0.826 -89 0.829 -68 0.812 -85 0.812 -85 0.816 -85 0.816 -85	LON -27-472 INCD 3 68-1 1-2 69-5 68-2 1 70-3	R 2347-19 PHAZ EMIS 41-0 29-4 38-3 34-6 40-7 29-4 36-1 35-4	POD  V 8 2.316 ALPHA 26.5 1.30.3 27.0 33.8	PTH 5 -68.734 1 SCALE 0. 44.89425 45.4876 63.68924	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319	RANGE 675.07056 698.670.43 675.28980 706.59302 727.85341	AZS/C -56.3 -58.3 -60.1 -55.0 -56.8	AZN 10.2 10.9 9.6 10.9 12.4	SEC TO 271. AZSUN -81.5 -81.2 -80.1 -80.1 -82.5	31.1 TAB NO IMPACT .931 AZA .32.5 .31.7 .31.1 .29.0 .32.4	ALT 611.74298 A. 14.04124 14.03213 13.54050 14.16417 14.59446	C.872 -85.  ATLAS PH  LAT -7.408 -  B/A AZPH 0.826 -89. 0.827 -85. 0.816 -85. 0.786 -91.	LON -27.472 NZ INCD 3 68.1 12 69.5 15 68.2 1 70.3	46.7 29.4 46 R 2347.19 41.0 29.4 41.0 29.4 38.3 34.0 40.7 29.4 36.1 35.4	POD  V 8 2.316 ALPHA 26.5 30.3 27.0 33.8 33.6	PTH 5 -68.734 1 SCALE 0. 44.89425 45.44876 63.632645	AZ 15.918 PT-PT 0-1 1-2 2-3 4-5
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795	RANGE 675-07056 698-67043 675-28980 706-59302	AZS/C -56.3 -58.3 -60.1 -55.0 -56.8 -51.1	AZN 10.2 10.9 9.6 10.9 12.4 10.8	SEC TO 271. AZSUN -81.5 -81.2	31.1 TAB NO IMPACT.931 AZA 32.5 31.7 31.1 29.0 32.4 34.5	ALT 611.74298 Ae 14.04124 14.03213 13.54050 14.16417	C.872 -85.  ATLAS PH  LAT 2 -7.408 -  B/A AZPM/ 0.828 -89. 0.629 -88. 0.872 -85. 0.872 -85. 0.78C -91.	LON -27.472 AZ INCD 3 68.1 12 69.5 15 68.2 1 70.3 1 68.8	R 2347-19 PHAZ EMIS 41-0 29-4 38-3 34-6 40-7 29-4 36-1 35-4	POD  V 8 2.316 ALPHA 26.5 30.3 27.0 33.8 33.6 26.7	PTH 5 -68.734 1 SCALE 0. 44.89425 45.4876 63.68924	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6
JULY 31,1964 13 MR  TRAJECTORY DATA  PHOTC DATA  PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.555 -19.557 7 -10.652 -19.928	21 MIN 16  RANGE 675-07056 698-67043 675-28980 706-59302 727-85341 694-23535 675-28980	AZS/C -56.3 -58.3 -60.1 -55.0 -56.8 -51.1 -60.1	AZN 10.2 10.9 9.6 10.9 12.4 10.8 9.6	SEC TO 271. AZ SUN -81.5 -81.2 -80.1 -80.1 -82.5 -82.1	31.1 TAB NO  IMPACT. 931  AZA 32.5 31.7 29.0 32.4 34.5 31.1	ALT 611.74298 Ae 14.04124 14.03213 13.54050 14.16417 14.59446 13.91650 12.54050	C.872 -85.  ATLAS PH  LAT C. 2 -7.408  B/A AZPH/ C.826 -89. C.826 -89. C.827 -85. C.816 -85. C.780 -91. C.872 -85.	LON 27.472 INCD 3 68.1 2 99.5 5 68.2 70.9 8.1 68.8 2 68.2	40.7 29.4 46 R 2347.19 PHAZ EMIS 41.0 29.4 41.0 29.4 40.7 29.4 36.1 35.4 36.0 38.8 40.6 33.2 40.6 33.2	POD  V 8 2-316 ALPHA 26-5 30-3 27-0 33-8 33-6 26-7 27-0	PTH 5-68.734 1 SCALE 0. 44.89425 45.44876 63.63924 61.32645 66.19200 58.09621	AZ AZ 15.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 MR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.555 -19.557 7 -10.652 -19.928  JULY 31,1964 13 MR	21 MIN 16  RANGE 675-07056 698-67043 675-28980 706-59302 727-85341 694-23535 675-28980	AZS/C -56.3 -58.3 -60.1 -55.0 -56.8 -51.1 -60.1	AZN 10.2 10.9 9.6 10.9 12.4 10.8 9.6	SEC TO 271. AZ SUN -81.5 -81.2 -80.1 -80.1 -82.5 -82.1 -80.1	31.1 TAB NO IMPACT .931  AZA .32.5 .31.7 .31.1 .29.0 .32.4 .34.5 .31.1 TAB NO	13.85193 46 ALT 611.74298 14.04124 14.03213 13.54050 14.16417 14.59446 13.91650 12.54050	C.872 -85.  ATLAS PH  LAT -7.408 -  B/A AZPH/ 0.826 -89. 0.827 -85. 0.780 -91. 0.836 -91. 0.836 -91. 0.836 -91. 0.847 -85.	LON 277-472 INCD 3 68-1 2 69-2 70-9 11 68-8 5 68-2 OTO NO	R 2347.19 R 2347.19 41.0 29.4 41.0 29.4 38.3 34.6 40.7 29.4 36.1 35.4 36.0 38.6 40.6 33.2 40.7 29.4	27.0 POD V 8 2.316 26.5 30.3 27.0 33.8 33.6 26.7 27.0 POD	PTH 5 -68.734 1 SCALE 0. 41.89425 45.44876 63.63924 61.32645 66.19200 58.09621 SEQUENCE N	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA	21 MIN 16  RANGE 675-07056 698-67043 675-28980 706-59302 727-85341 694-23535 675-28980	AZS/C -56.3 -58.3 -60.1 -55.0 -56.8 -51.1 -60.1	AZN 10.2 10.9 9.6 10.9 12.4 10.8 9.6	SEC TO 271.  AZ SUM -81.5 -81.5 -81.5 -80.1 -80.1 -80.1 -82.5 -82.1 -80.1	31.1 TAB NO  IMPACT. 931  AZA 32.5 31.7 29.0 32.4 34.5 31.1	ALT 611.74298 A• 14.04124 14.03213 13.54050 14.16417 14.59446 13.91650 13.54050	C.872 -85.  ATLAS PH  LAT C. 2 -7.408  B/A AZPH/ C.826 -89. C.826 -89. C.827 -85. C.816 -85. C.780 -91. C.872 -85.	LON 27.472 INCD 3 68.1 2 19.5 68.2 2 17.9 9.5 68.2 2 70.9 1 68.8 5 68.2	40.7 29.4 46 R 2347.19 PHAZ EMIS 41.0 29.4 40.7 29.4 36.1 35.4 36.1 35.4 40.7 29.4 47	27.0 POD 8 2.316 26.5 30.3 27.0 33.8 33.6 26.5 27.0	PTH 5 -68.734 1 SCALE 0. 41.89425 45.44876 63.63924 61.32645 66.19200 58.09621 SEQUENCE N	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA	21 MIN 16 RANGE 675.07056 698.67043 675.28980 706.59302 727.85341 694.23535 675.28980 21 MIN 23	AZS/C -56.8 -58.3 -60.1 -55.0 -56.8 -51.1 -60.1	AZN 10.2 10.9 9.6 10.8 9.6 MS	SEC TO 271.  AZ SUN -81.5 -81.2 -80.1 -82.5 -82.1 -82.1 -82.5	31.1 TAB NO  IMPACT .931  AZA 32.5 31.7 31.1 29.0 32.4 34.5 31.1 TAB NO	13.85193 46 ALT 611.74298 A• 14.04124 14.0312.54050 14.16417 14.59446 13.91650 13.54050 47	0.872 -85.  ATLAS PH  1. ATLAS PH  27.408 -  8/A AZPH/ 0.826 -89. 0.829 -88. 0.872 -85. 0.780 -91. 0.836 -91. 0.872 -85.  ATLAS PH	LON	40.7 29.4 46 2347.19 PHAZ EMIS 41.0 29.4 38.3 34.6 40.7 29.4 36.1 35.4 40.6 33.2 40.7 29.4 47	27.0 POD V 8 2.316 26.5 3 30.8 3 27.0 3 33.8 26.7 27.0 POD	SEQUENCE N  PTH 5 -68.734 1  SCALE 0. 44.89425 45.44876 63.63924 66.19200 58.09621  SEQUENCE N  PTH 2 -68.097 A	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.873 -20.069	21 MIN 16  RANGE 675.07056 698.67043 675.28980 706.59302 727.45341 694.23535 675.28980 21 MIN 23	AZS/C -56.3 -58.3 -60.1 -55.0 -56.8 ->1.1 -60.1 SEC 588	AZN 10.2 10.9 9.6 10.9 12.4 10.8 9.6 MS	SEC TO 271.  AZ SUN -81.5 -81.2 -80.1 -80.1 -82.5 -82.1 -80.1  SEC TO 265.  AZ SUN -81.5 -82.1 -80.1	31.1 TAB NO IMPACT. 931  AZA 32.5 31.7 31.1 29.0 32.4 34.5 31.1  TAB NO IMPACI. 211  AZA 32.5	13.85193 46 ALT 611.74298 A. 14.04124 14.03213 13.54050 14.16417 14.59446 13.91650 13.54050 47	C.872 -85.  ATLAS PH  LAT C.826 -89. C.826 -89. C.827 -85. C.78C -91. C.872 -85.  ATLAS PH  LAT C.826 -89. ATLAS PH  LAT C.826 -89. ATLAS PH  LAT C.826 -89.	LON	40.7 29.4 46 2347.15 PHAZ EMIS 41.0 29.4 38.3 34.2 40.7 29.4 36.1 35.4 36.0 38.6 40.6 33.2 40.7 29.4 47	27.0 POD  V 8 2.316 ALPHA 26.5 30.3 27.0 33.8 33.6 26.7 27.0 POD  V 9 2.32	PTH 5 -68.734 1 SCALE 0. 44.89425 45.44876 61.32645 66.19200 58.09621 SEQUENCE N 2 -08.097 A	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 40 663 AZ PT-PT 0-1
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.873 -20.069 2 -11.517 -18.719	21 MIN 16  RANGE 675.07056 698.67043 675.28980 706.59302 727.85341 694.23535 675.28980 21 MIN 23  RANGE 659.14451 692.55017	AZS/C -56.3 -58.3 -60.1 -55.0 -51.1 -60.1 SEC 588	AZN 10.2 10.9 9.6 10.9 12.4 10.8 9.6 MS	SEC TO 271.  AZ SUN -81.5 -81.2 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1	31.1 TAB NO  IMPACT 931  AZA 32.5 31.7 31.1 29.0 32.4 34.5 31.1  TAB NO  IMPACI 2211  AZA 32.5 31.7	13.85193 46 ALT 611.74298 A. 14.0413 12.54050 14.16417 14.59446 13.91650 13.91650 13.71637 13.71733 13.70837	C.872 -85.  ATLAS PH  LAT 8 -7.408 - 8/A AZPH/ 0.828 -89. 0.872 -85. 0.786 -91. 0.836 -91. 0.836 -91. 0.837 -85. ATLAS PH  1.7.469  B/A AZPH/ 0.828 -89. 0.829 -88.	LON LON 271-472 INCO 3 68-1 22 69-5 5 68-2 OTO NO	40.7 29.4 46 R 2347.19 PHAZ EMIS 41.0 29.4 41.0 29.4 38.3 34.6 40.7 29.4 47 47 47 R 2332.6 PHAZ EMIS 40.7 29.4 47 47 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	27.0 POD  8 2.316  ALPHA 26.5 30.3 27.0 33.8 33.6 26.7 27.0 POD  V 29 2.32	SEQUENCE N  PTH 5 -68.734 1  SCALE 0. 44.89425 45.44876 63.63924 61.32645 66.19200 58.09621  SEQUENCE N  PTH 2 -08.097 1  SCALE 0. 44.58857	6- 7 0 655 AZ 15.918 PT-PT 0- 1 1-2 2-3 3-4 4-5 5-6 6-7 40 663 AZ 17.057
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JULY 31,1964 13 MR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.873 -20.069 2 -11.517 -18.719 3 -10.656 -19.928 4 -10.526 -17.845 5 -12.450 -17.381	21 MIN 16  RANGE 675.07056 698.67043 675.28980 706.59302 727.85341 694.23535 675.28980  21 MIN 23  RANGE 659.14451 682.35017 690.27651 711.00589	AZS/C -56.3 -58.3 -60.1 -55.0 -56.8 -51.1 -60.1 SEC 588	MS  AZN 10.2 10.9 9.6 10.9 12.4 10.8 9.6 MS	SEC TO 271.  AZ SUN -81.5 -81.2 -80.1 -80.1 -82.5 -82.1 -80.1  SEC TO 265  AZ SUN -81.5 -81.1 -80.1 -80.1 -80.1 -80.1	31-1 TAB NO  IMPACT -931  AZA 32-5 31-7 -31-1 29-0 32-4 34-5 31-1  TAB NO  IMPACT -211  AZA 32-5 31-1 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	13.85193 46  ALT 611.74298 4.04124 4.03213 13.54050 41.59446 13.91650 13.54050 47  A. 13.71733 13.70833	C.872 -85.  ATLAS PH  LAT C.826 -89. 0.829 -89. 0.872 -85. 0.78C -91. 0.836 -91. 0.836 -91. 0.848 -89. 0.872 -85. 0.862 -89. 0.872 -85. 0.786 -91. 0.838 -	LON 27.472  2 INCC 3.68.1  27.472  2 INCC 3.68.1  2.69.5.5  68.2  1.70.3  2.70.9  1.50  1.	40.7 29.4 46  R 2347.19 PHAZ EMIS 41.0 29.4 41.0 29.4 36.0 38.8 40.7 29.4 40.7 29.4 47  47  R 2332.6 PHAZ EMIS 40.7 29.4 47  47  47  2332.6 PHAZ EMIS 40.7 29.4 40.7 29.4 36.0 38.8	27.0 POD  V 8 2.316 ALPHA 26.5 30.3 27.0 POD  V 9 2.32: 6 ALPHA 3 20.3 3 3.6 3 3.6 3 3.6 3 3.7 3 33.7 3 33.7	SEQUENCE N  PTH 5 -68.734 1  SCALE 0. 44.89425 45.44876 63.63924 61.32645 66.1920 58.09621  SEQUENCE N  PTH 2 -68.641 3 SCALE 0. 44.58857 44.39434 62.15882 59.89479	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4-5 6-7 40 663 AZ PT-PT 0-1 1-2 1-2 2-3 3-4-5 6-7 40 563
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.873 -20.069 2 -11.517 -18.719 3 -10.656 -19.928 4 -10.526 -17.845 5 -12.450 -17.381 6 -12.496 -19.567 7 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA	21 MIN 16  RANGE 675.07056 698.67043 675.28980 706.59302 277.45341 694.23535 675.28980 21 MIN 23  RANGE 659.14451 682.55017 690.27651 711.00589 678.20506 659.72070	AZS/C -56.3 -58.3 -60.1 -55.0 -56.8 -51.1 -60.1 SEC 588 -51.1 -60.1 SEC 588 -51.2 -60.1 SEC 628	AZN 10.2 10.9 9.6 MS AZN 10.2 10.9 12.4 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	SEC TO 271.  AZ SUN -81.5 -81.5 -81.5 -82.1 -80.1 -80.1  SEC TO 265.  AZ SUN -81.1 -80.1 -80.1 -80.1 -80.1	31-1 TAB NO  IMPACT 931  AZA 32-5 31-7 31-1 29-0 32-4 34-5  TAB NO  IMPACI 211  AZA 32-5 31-7 31-1 29-0 32-4 34-4 31-1 TAB NO  IMPACI -171	13.85193 46  ALT 611.74298 4.04124 4.03213 13.54050 41.05417 14.59446 13.91650 13.71733 13.70837 13.22832 13.83710 14.25665 13.59517 13.22832 48  ALT 586.3171	C.872 -85.  ATLAS PH  LAT C.826 -89. 0.829 -89. 0.827 -85. 0.78C -91. 0.836 -91. 0.828 -89. 0.872 -85. C.816 -85. 0.78C -91. 0.838 -91.	LON 27.472  2 INCC 3 68.1  27.472  2 INCC 3 68.1  2 70.9  1 70.3  2 70.9  1 70.3  2 70.9  1 70.3  2 70.9  1 70.3  3 68.1  2 70.9  1 70.2  2 70.5  1 68.2  OTO NO  LCN 27.251	40.7 29.4  46  R 2347.19 PHAZ EMIS 41.0 29.4 38.3 34.6 40.7 29.4 40.6 33.2 40.7 29.4  47  R 2332.6 PHAZ EMIS 41.1 29.3 40.7 29.4 41.1 29.3 38.3 34.6 40.7 29.4 41.1 29.3 38.3 34.6 40.7 29.4 41.1 29.3 38.3 34.6 40.7 29.4 41.1 29.3 40.7 29.4 41.1 29.3 40.7 29.4	27.0 POD  8 2.316  ALPHA 26.5 30.3 27.0 33.8 6: 26.7 27.0 POD  9 2.32 4 ALPHA 30.3 37.0 27.0 POD  9 2.32 7 27.0 POD	PTH 5 -68.734 1 SCALE 0. 44.89425 45.44876 61.32645 66.19200 58.09621 SEQUENCE N 2 -08.097 A 3 CALE 0. 44.58857 44.39434 62.158857 44.39434 62.158857 59.89479 64.64122 56.74782 SEQUENCE N	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4-5 6-7 40 663 AZ 12.007 PT-PT 0-1 1-2 2-3 3-4-5 6-7 40 669
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.873 -20.069 2 -11.517 -18.719 3 -10.656 -19.928 4 -10.526 -17.845 6 -12.496 -17.381 6 -12.496 -19.567 7 -10.656 -19.928 JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.873 -20.089	21 MIN 16  RANGE 675.07056 698.670,43 675.28980 706.59302 277.45341 694.23535 675.28980 21 MIN 23  RANGE 659.14451 682.55017 690.27651 711.00589 678.20506 659.72070	AZS/C -56.3 -58.3 -60.1 -65.0 -56.8 -58.3 -60.1 -65.0 -56.8 -66.0 -56.8 -66.0 -56.0 -56.8 -66.0 -56.0 -56.8 -66.0 -56.0 -56.8 -66.0 -56.0	AZN 10.2 10.9 12.4 10.9 12.4 10.9 12.4 10.9 10.9 10.9 10.9 9.6 MS	SEC TO 271.  AZ SUN -81.5 -82.1 -80.1	31-1 TAB NO  IMPACT 931  AZA 32-5 31-7 31-1 29-0 32-4 34-5 31-1 AZA 32-5 31-7 31-1 42-5 31-7 31-1 42-6 31-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 31-1 42-7 42-7 42-7 42-7 42-7 42-7 42-7 42-7	13.85193 46  ALT 611.74298 4.04124 4.03213 12.54050 14.16417 14.59446 13.91650 13.71733 13.22832 12.83710 14.25665 13.22832 48  ALT 586.3171 A.	C.872 -85.  ATLAS PH  LAT 8 -7.408 - 8/A AZPH/ 0.826 -89. 0.872 -85. 0.786 -91. 0.836 -91. 0.836 -91. 0.836 -89. 0.872 -85. 0.786 -91. 0.836 -89. 0.872 -85.  ATLAS PH  LAT 4 -7.469 -88 0.872 -85 0.829 -88 0.872 -85 0.816 -85 0.781 -91 0.828 -89 0.872 -85 0.874 AZPH  LAT 7 -7.515 6/A AZPH	LON 27.472  12 INCD 36 68 1 1 2 1 70.9 1 70.	40.7 29.4  46  R 2347.19  PHAZ EMIS 41.0 29.4  41.0 29.4  41.36.0 38.6  36.1 35.4  36.3 38.6  40.7 29.4  47  R 2332.6  PHAZ EMIS 40.7 29.4  47  48  R 2321.7	27.0 POD  V 8 2.316 ALPHA 26.5 30.3 27.0 33.8 33.6 26.7 27.0 POD  V 9 2.32: 6 ALPHA 30.3 27.0 9 33.7 27.0 POD  V 2 2.32: 6 ALPHA 7 27.0	SEQUENCE N  PTH 5 -68.734 1  SCALE 0. 44.89425 45.44876 63.63924 61.32665 66.19200 58.09621  SEQUENCE N  PTH 2 -08.047 1  SCALE 0. 44.58857 44.39434 62.15832 59.89479 64.64122 56.74782  SEQUENCE N	AZ 15.918 PT-PT 0-1 1-2 2-3 3-4-5 6-7 40 663 AZ 12.007 PT-PT 0-1 1-2 2-3 3-4-5 6-7 40 669
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.656 -19.928 4 -10.526 -17.845 5 -12.496 -19.567 7 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 1 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.656 -20.085 2 -11.504 -18.742	21 MIN 16  RANGE 675.07056 698.67043 675.28980 706.59302 227.45341 694.23535 675.28980 21 MIN 23  RANGE 659.14451 682.55017 659.72070 21 MIN 28  RANGE 647.17799 670.42805	AZS/C -56.3 -58.3 -60.1 -50.0 -56.8 -51.1 -60.1 SEC 588 AZS/C -56.3 -65.0 -65.8 AZS/C -56.8 -65.3 -60.1 SEC 628	AZN 10.2 10.9 9.6 10.9 11.0 8 9.6 MS AZN 10.2 10.9 12.3 10.9 12.3 10.9 12.3 10.2 10.9 12.3 10.2 10.9 10.2 10.9 10.2 10.9 10.2 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	SEC TO 271.  AZ SUN -81.5 -81.2 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1 -80.1	31-1 TAB NO  IMPACT 931  AZA 32-5 31-7 31-1 29-0 32-4 34-5 31-7 31-1 4ZA 32-5 31-7 31-1 TAB NO  IMPACT 171  AZA 32-5 31-7 31-1 29-0 32-4 31-7 31-1 47-3 32-5 31-7 31-1 47-3 32-5 31-7 31-1 47-3 32-5 31-7 31-1 47-3 32-5 31-7	13.85193 46  ALT 611.74298 A. 14.04124 4.03213 13.54050 14.16417 14.59446 13.91650 12.54050  47  A. 13.71733 13.70837 13.22832 13.83710 14.25665 13.359517 13.22832 48  ALT 586.3171  A. 13.477375 13.46451	C.872 -85.  ATLAS PH  B/A AZPH/ C.826 -89. C.826 -89. C.872 -85. C.816 -85. ATLAS PH  LAT  A -7.469  B/A AZPH/ C.827 -85.  ATLAS PH  LAT  A -7.515  B/A AZPH C.828 -89 C.812 -85 C.814 -85 C.816 -85 C.8172 -85 C.816 -85 C.8172 -85 C.816 -85 C.818 -91 C.828 -89 C.829 -88	LONNO  LONNO  LONNO  27.472  2 INCC 3 68.1 22.69.5.5 5 68.2 1 70.3 2 70.9 1 68.8 2 70.9 1 68.8 2 70.9 1 68.8 2 70.9 1 68.8 2 70.9 1 68.8 2 70.9 1 68.8 2 70.9 2 70.9 1 68.8 2 70.9 2 70.9 2 70.9 2 70.9 2 70.9 2 70.9 3 68.1 3 68.1 3 68.1	40.7 29.4  46  2347.15  PHAZ EMIS 41.0 29.4 36.1 35.4 36.3 34.6 40.7 29.4 36.0 38.6 40.6 33.2 40.7 29.4 47  47  PHAZ EMIS 38.3 34.6 40.7 29.4 40.7 29.4 41.1 29.3 36.0 38.6 40.7 29.4 41.1 29.3 40.7 29.4 48  R 2321.7	27.0 POD  8 2.316 ALPHA 26.5 30.3 27.0 33.8 33.6 26.7 27.0 POD  9 2.32: 4 26.4 30.3 27.0 POD  12 2.32: 5 26.7 27.0	SEQUENCE N  PTH 5 -68.734 1  SCALE 0. 44.89425 45.44876 63.639245 66.19200 58.09621  SEQUENCE N  PTH 2 -08.047 1  SCALE 0. 44.58857 44.39434 62.15832 56.74782  SEQUENCE N  PTH 6 -68.582 1  SCALE 0. 44.34039	6- 7 0 655  AZ 15.918  PT-PT 0- 1 1- 2 2- 3 3- 4 5- 6 6- 7  10 663  AZ PT-PT 0- 1 1- 2 2- 3 3- 4 5- 6 6- 7  40 669  AZ 115.885  PT-PT 0- 1 1- 2 1- 2 1- 2 1- 2 1- 2 1- 2 1- 2 1
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 1 -10.873 -20.069 2 -11.517 -18.719 3 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 1 -10.873 -20.069 2 -11.517 -18.719 3 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 1 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.865 -20.085 2 -11.504 -18.742 3 -10.656 -19.929	21 MIN 16  RANGE 675.07056 698.67043 675.28980 706.59302 727.85341 694.23535 675.28980 21 MIN 23  RANGE 659.14451 692.55017 659.72070 690.27651 711.00589 678.20506 659.72070 21 MIN 28	AZS/C -56.3 -58.3 -60.1 -50.0 -56.8 -51.1 -60.1 SEC 588 AZS/C -56.3 -58.3 -60.1 SEC 628	AZN 10.2 10.9 9.6 10.9 12.4 10.2 10.9 9.6 MS AZN 10.2 10.9 9.6 MS 4ZN 10.2 10.9 9.6 MS	SEC TO 271.  AZ SUN -81.5 -80.1	31-1 TAB NO  IMPACT 931  AZA 32-5 31-7 31-1 29-0 32-4 34-5 31-7 31-1 29-0 32-4 34-1 TAB NO  IMPACT 211  AZA 32-5 31-7 31-1 AZA 32-5 31-7 31-7 31-7 31-7	13.85193 46  ALT 611.74298 4.04124 4.03213 12.54050 47  47  A. 13.71733 13.22832 12.83710 14.25665 13.59517 13.22832 48  ALT 66.3171  A. 13.47375 13.46451 12.99356	C.872 -85.  ATLAS PH  LAT 8 -7.408 -  B/A AZPH/ 0.826 -89. 0.872 -85. C.7816 -91. C.816 -85. C.7816 -91. C.872 -85. C.7816 -91. C.872 -85. ATLAS PH  B/A AZPH/ 0.828 -89 0.829 -88 0.872 -85. ATLAS PH  1.417 7 -7.515  B/A AZPH C.828 -89 0.829 -88 0.829 -89 0.829 -85 ATLAS PH	27.472  100  100  100  100  100  100  100  1	40.7 29.4  46  R 2347.19  PHAZ EMIS 41.0 29.4 41.0 29.4 41.0 29.4 41.3 36.3 34.6 40.7 29.4 47  47  47  April 1 29.3 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 41.1 29.3 36.0 38.8 40.7 29.4 48  R 2321.7  PHAZ EMIS 40.7 29.4 48  48  49 40.7 29.4 48  48  49 40.7 29.4 48  48  24 40.7 29.4 48  48  24 40.7 29.4 48  48  24 40.7 29.4 48  48  24 40.7 29.4	27.0 POD  8 2.316  ALPHA 26.5 30.3 27.0 33.8 33.6 26.7 27.0 POD  9 2.32 4 ALPHA 26.4 30.3 37.3 37.3 37.3 37.3 37.3 37.3 37.3	SEQUENCE N  PTH 5 -68.734 1  SCALE 0. 44.89425 45.44876 63.63924 61.32645 66.19200 58.09621  SEQUENCE N  PTH 2 -68.077 1  SCALE 0. 44.58857 44.39434 62.1582 59.89479 64.64122 SEQUENCE N  PTH 6 -68.582 1  SCALE 0.  SCALE 0.  PTH 6 -68.582 1  SCALE 0.  43.40394 43.40394 43.40394	6-7 0 655  AZ 15.918  PT-PT 0-1 1-2-3 3-4 4-5 6-7 0 663  AZ  PT-PT 1-2-3 15.885  PT-PT 0-1 1-2-1
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.873 -20.069 2 -11.517 -18.719 3 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.865 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PT LAT LON 1 -10.865 -20.085 2 -11.504 -18.79 3 -10.656 -19.928	21 MIN 16  RANGE 675.07056 698.67043 275.28980 706.59302 727.45341 694.23535 675.28980 21 MIN 23  RANGE 659.14451 682.55017 659.72070 690.27651 711.00589 678.2050 659.72070 21 MIN 28  RANGE 647.17799 670.42805 648.01300 678.00709 698.33818	AZS/C -56.3 -58.3 -60.1 -65.0 -56.3 -58.3 -60.1 -65.0 -56.8 -51.1 -60.1 SEC 588	AZN 10.2 10.9 9.6 10.9 12.3 10.8 9.6 MS	SEC TO 271.  AZ SUN -81.5 -82.1 -80.1  SEC TO 265.  AZ SUN -81.5 -81.1 -80.1  SEC TO 265.  AZ SUN -81.5 -82.1 -80.1	31-1 TAB NO  IMPACT 931  AZA 32-5 31-7 31-1 29-0 32-4 34-5 31-7 31-1 TAB NO  IMPACT 211  AZA 32-5 31-7 31-1 29-0 32-4 34-1 TAB NO  IMPACT 171  AZA 32-5 31-7 31-1 29-0 32-4 34-1 TAB NO	13.85193 46  ALT 611.74298 4.03213 12.54050 14.16417 14.59446 13.91650 47  A. 13.71733 13.22832 12.83710 14.25665 13.59517 13.22832 48  ALT 566.3171  A. 13.47375 13.46451 12.99356	C.872 -85.  ATLAS PH  LAT 8 -7.408 -  B/A AZPH/ 0.826 -89. 0.872 -85. C.7816 -91. C.816 -85. C.7816 -91. C.872 -85. C.782 -91. C.872 -85. ATLAS PH  B/A AZPH/ 0.828 -89 0.829 -88 C.816 -85 C.781 -91 0.838 -91 0.838 -91 0.872 -85  ATLAS PH  1.AT 7.7515 6/A AZPH 0.828 -89 0.829 -86 0.872 -85 C.811 -95 C.811 -95 C.811 -95 C.811 -95 C.811 -85 C.811	27.472  100  100  100  100  100  100  100  1	40.7 29.4  46  R 2347.19  PHAZ EMIS 41.0 29.4  41.0 29.4  41.0 29.4  41.36.0 38.8  40.7 29.4  46.36.0 38.8  40.7 29.4  47  R 2332.6  PHAZ EMIS 40.7 29.4  47  48  R 2332.6  AB.3 34.6  240.7 29.4  48  R 2321.7  PHAZ EMIS 40.7 29.4  48.3 34.6  40.7 29.4  48.3 34.6  4	27.0 POD  8 2.316  ALPHA 26.5 30.3 27.0 33.8 33.6 26.7 27.0 POD  9 2.32 4 ALPHA 26.4 3 33.7 27.0 POD  20.32 4 ALPHA 26.4 5 26.4 6 26.4 6 26.4 6 26.4 7 27.0 8 20.0 8 33.7 7 33.5 8 26.7 7 33.5	SEQUENCE N  PTH 5 -68.734 1  SCALE 0. 44.89425 45.44876 66.19200 58.09621  SEQUENCE N  PTH 2 -08.097 1  SCALE 0. 44.58857 44.39434 62.15832 59.89479 64.64122 SEQUENCE N  PTH 6 -68.582 1  SCALE 0.  SCALE 0.  SCALE 0.  PTH 6 -68.582 1  SCALE 0.  94.34036 43.60141 61.04495 88.8187	6-7 0 655  AZ 15.918 PT-PT 0-1 1-2-3 3-4 4-5 6-7 0 663  AZ PT-PT 1-2-3 15.885 PT-PT 0-1 1-2-1 1-2-1 1-2-3 3-4 4-5 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.883 -20.048 2 -11.533 -18.690 3 -10.652 -19.928 4 -10.519 -17.795 5 -12.489 -17.319 6 -12.535 -19.557 7 -10.652 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.873 -20.069 2 -11.517 -18.719 3 -10.656 -19.928 4 -10.526 -17.381 6 -12.496 -19.567 7 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.656 -19.928  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA	21 MIN 16  RANGE 675.07056 698.67043 675.28980 706.59302 277.45341 694.23535 675.28980 21 MIN 23  RANGE 659.14451 682.55017 659.27651 711.00589 678.2050 685.72070 21 MIN 28  RANGE 647.17799 670.42805 648.01300 678.00709 668.33818	AZS/C -56.3 -58.3 -60.1 -50.0 -56.8 -51.1 -60.1 SEC 588 -51.2 -56.3 -58.3 -60.1 -65.0 -56.8 -51.2 -60.1	AZN 10.2 10.9 9.6 10.9 9.6 10.9 9.6 MS AZN 10.2 10.9 9.6 10.9 9.6 10.9 9.6 10.9 9.6 10.9 9.6 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	SEC TO 271.  AZ SUN -81.5 -82.1 -80.1  SEC TO 265.  AZ SUN -81.5 -81.1 -80.1  SEC TO 265.  AZ SUN -81.5 -82.1 -80.1	31-1 TAB NO  IMPACT 931  AZA 32-5 31-7 31-1 29-0 34-5 31-7 31-1 29-0 32-4 34-4 31-1 TAB NO  IMPACT -171  AZA 32-5 31-7 31-1 29-0 32-3 34-4 34-4 31-1 TAB NO	13.85193 46  ALT 611.74298 4.04124 44.03213 12.54050 12.54050 12.54050 47  A.13.91550 12.54050 47  A.13.9150 12.54050 48  ALT 597.2239. 48  ALT 586.3171 3.22832 48  ALT 586.3171 13.404641 12.99356 13.59916 14.00244 13.95146 14.00244	C.872 -85.  ATLAS PH  E -7.408 -  B/A AZPH/ C.826 -89. C.827 -85. C.816 -85. C.816 -85.  ATLAS PH  E -7.469  B/A AZPH/ C.827 -85.  ATLAS PH  E -89. C.872 -85.  ATLAS PH  E -89. C.872 -85. ATLAS PH  E -89.	LONNO  LO	40.7 29.4  46  2347.15  PHAZ EMIS 41.0 29.4 38.3 34.6 40.7 29.4 40.6 33.2 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 40.7 29.4 41.1 29.3 36.0 38.3 4.0.7 29.4 48  R 2332.67  PHAZ EMIS 31.4 40.5 33.3 40.7 29.4 48  R 2321.7  PHAZ EMIS 36.0 38.8 40.7 29.4 41.1 29.4 40.7 29.4 48.3  R 2321.7  PHAZ EMIS 36.0 38.3 40.7 29.4 48.3  R 2321.7  PHAZ EMIS 36.0 38.3 40.7 29.4 48.3  R 2321.7  PHAZ EMIS 36.0 38.3 40.7 29.4 48.3  R 2321.7  PHAZ EMIS 36.0 38.3 40.7 29.4	27.0 POD  8 2.316  ALPHA 26.5 30.3 27.0 33.8 6: 26.7 27.0 POD  9 2.32 4 26.7 27.0 POD  9 2.32 7 27.0 POD	SEQUENCE N  PTH 5 -68.734 1  SCALE 0. 44.89425 45.44876 63.63924 66.19200 58.09621  SEQUENCE N  PTH 2 -08.04 1  SCALE 0. 44.389434 62.15832 59.89473 64.64122 56.74782  SEQUENCE N  PTH 6 -68.582 1  SCALE 0. 44.39434 62.15837 64.64124 63.40144 63.40144 63.40144 63.40145 63.40163	AZ 15.918  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7 10 663  AZ 12.057  PT-PT 0-1 1-2 2-3 2-3 3-4 4-5 5-6 7 10 669

				RA-VII	CAMERA	P.4							9_
						49	ATLA	S PHOTO N	0 49	)	POD S	EQUENCE NO	679
JULY 31,1964 13 HR													:-
TRAJECTORY DATA			:	SEC TO	IMPACT.	AL I. 568-10608	_ LAT	LDN	0 -	R !303.561	2.333	_PIH	AZ 5.860
PHOTO DATA													
1 -10.853 -20.111	627.19209	-56.3	10.2	-81.5	AZA 32.5	17-06589	0.829	-89-2 68	CD PH/	2 29.1	26.3	O-	0- 1
2 -11.483 -18.783	650.12974	-58.3	10.8	-81.1	31.7	13.05723	0.830	-88.2 69	.4 38	3 33.9	30.3	43.82974	1- 2
3 -10.663 -19.934	628.41340	-60.1	9.6	-80.1	31.1	12.60057	0.872	-85.5 68	. 2. 40.	7 29.4	27.0	42.27144	2- 3.
4 -10.539 -17.950 5 -12.372 -17.511	677-12302	-64.9	10.9	-80.1	29.1	13.17927	0.817	-85.1 70 -91.2 70	7 36	9 38.6	33.6	57.01633	3- 4 4- 5
6 -12.415 -19.590	645.97124	-51.3	10.7	-82.1	34.3	12.94903	0.839	-91.1 68	. 7 40.	5 33.1	26.7	61.51990	5- 6
PHOTO DATA PT LAT LON 1 -10.853 -20.111 2 -11.463 -18.783 3 -10.663 -19.934 4 -10.539 -17.950 5 -12.372 -17.511 6 -12.415 -19.590 7 -10.663 -19.934	628.41340	-60.1	9.6	-80.1	31.1	12.60057	0.872	-85.5 68	.2 40	7 29.4	27.0	54.03662	6- 7
JULY 31,1964 13 HR	21 MFN 43	SEC 747	#S			50		S PHOTO N				EQUENCE NO	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT	LON		R	V	PTH -68.382 11	AZ S 840
PHOTO DATA													
PT LAT LON 1 -10.844 -20.131 2 -11.465 -18.816	RANGE	AZS/C	AZN	AZ SUN	AZA	A =	B/A A	ZPHAZ IN	CD PH	AZ EMIS	ALPHA	SCALE	PT-PT
1 -10.844 -20.131	611.16434	-56.4	10.2	-81.5	32.4	12.73848	0.829	-89.2 68	-0 41	2 29.1	26.2	0.	0-1
2 -11.405 -18.816 3 -10.666 -19.938 4 -10.545 -18.004 5 -12.332 -17.577 6 -12.374 -19.603 7 -10.666 -19.938	612-67963	-60.1	- 0.6	-80.1	31.1	12.28508	0.872	-85.5 AF	La 2 40	7 29.4	27.0	41.20403	2- 3
4 -10.545 -18.004	640.96521	-64.9	10.9	-80.0	29.1	12.84865	0.818	-85.0 70	.1 36	1 35.3	33.6	57.67769	3- 4
5 -12.332 -17.577	660.09538	-56.9	12.2	-82.5	32.3	13.23582	0.783	-91.2 70	.7 35	.9 38.5	33.3	55.57051	4- 5
6 -12.374 -19.603	629.77274	-51.4	10.7	-82.1	34.2	12.62433	0.839	-91.1 68	1.7 40	7 29 4	26.7	59.95117	5- 6 6- 7
1 -10.000 -19.430	012.07903	-80.1	7.0	-80.1	31.1	12.20300	0.012	-65.5 00	. 2 40				
JULY 31,1964 13 HF	21 MIN 50		MS		TAB NO	51	ATLA	S PHOTO N	10 5	l	POD S	SEQUENCE NO	695
TRAJECTURY DATA				SEC TO	IMPACT	ALT	LAT	LON 19 -26.82	. 7	R 2274 224	V 2.345	PTH -68.291 11	
PHOTO DATA					. 3 3 3	330.01700		19 -20.62					
PHOTO DATA PT LAT LON 1 -10.834 -20.151 2 -11.450 -18.850 3 -10.671 -19.943 4 -10.553 -18.060 5 -12.293 -17.645 6 -12.335 -19.617	RANGE	AZS/C	AZN	A7 SUN	AZA	A.	B/A A	AZPHAZ IN	CD PH	AZ EMIS	ALPHA	SCALE	PT-PT
1 -10.834 -20.151	595.10233	-56.4	10.2	-61.5	32.4	12.41011	0.829	-89.2 68	3.0 41	.3 29.0	26.1	0. 42 92051	0-1
3 -10-671 -19-943	596-89704	-60.1	9.6	-80.0	31.1	11.96862	0.872	-85.5 68	3.2 40	7 29.4	27.0	40.13416	2- 3
4 -10.553 -18.060	624.41658	-64.8	10.9	-80.0	29.2	12.51693	0.816	-65.0 70	0.0 36	.1 35.2	33.5	56.17217	3- 4
5 -12.293 -17.645	643.02077	56.9	12.2	-82.4	32.3	12.89345	0.784	-91.2.70	6.35	.9. 38.5	. 33-3	54.12339 58.37701	4-5
6 -12.335 -19.617 7 -10.671 -19.943	613.53196 596.89704	-51.4	10.7	-82-1	34.2	12.29877	0.839	-91.1 68 -85.5 68	3. / 4U	.7 29.4	27.0	51.31116	
7 -10.071 -17.743	J70.07104	-0011	,,,		TAB NO	52		S PHOTO N				SEQUENCE NO	
JULY 31,1964 13 H	21 MIN 55	SEC 506										PTH	
TRAJECTORY DATA				SEC TO 233.	IMPACT	ALT 527.89053	LAT 3 -7.76	LON 67 -26.72	26	k 2263.34:	v 5 2.350	PTH -68.223 11	AZ 5.805
PHOTO DATA													
PT LAT LON	RANGE	AZS/C	AZN	AZŞUN	AZA	A+	B/A A	AZPHAZ IN	NCD PH	AZ EMIS	AI PHA	ŞCALE	PT-PT
2 -11.437 -18.877	605.20242	-50.4	10.2				0 0 2 0			• 3 20• 7	24 1		U- I
			10.8	-81.1	31.7	12.15491	0.83C C.831	-88.2 69	3.3 38	.3 33.8	26.1 30.2	0. 42.55014	1-2
3 -10.675 -19.947	585.02843	-60.1	9.6	-81.1 -80.0	31.7	12.15491	0.83C C.831 O.872	-88.2 69 -85.5 68	3.3.38 8.2 40	.3.33.8 .7 29.4	26.1 30.2 27.0	0. 42.55014 39.32979	2- 3
3 -10.675 -19.947 4 -10.559 -18.102	585.02843 611.97285	-60.1 -64.8	9.6	-81.1 -80.0 -80.0	31.7 31.1 29.2	12.15491 11.73064 12.26749	0.83C C.831 0.872 C.819	-88.2 65 -85.5 68 -85.0 70	3.3 38 8.2 40 0.0 36	.3 33.8 .7 29.4 .1 35.2	26.1 30.2 27.0 33.5	0. 42.55014 39.32979 55.04052	2- 3
3 -12.204 -11.040	030.10243		12.2	-02.4	32.3	12.15491 11.73064 12.26749 12.636C3	0.83C 0.831 0.872 0.819 0.785	-88.2 65 -85.5 66 -85.0 70 -91.2 70	3.3.38 8.2.40 0.0.36 0.5.35	.3 .33.8 .7 29.4 .1 35.2 .9 38.4	26.1 30.2 27.0 33.5 33.2	\$CALE 0. 42.55014 39.32979 55.04052 53.03563	4- 3
6 -12.305 -19.628	601.31921	-51.4	10.7	-82.1	34.2	12.15491 11.73064 12.26749 12.636C3 12.05397	0.83C 0.831 0.872 0.819 0.785 0.839 0.872	-85.5 68 -85.0 70 -91.2 70 -91.1 68	3.3 38 8.2 40 0.0 36 0.5 35 8.7 40 8.2 40	.3 .33.8 .7 29.4 .1 35.2 .9 38.4 .5 33.1	26.1 30.2 27.0 33.5 33.2 26.6 27.0	0. 42.55014 39.32979 55.04052 53.03563 57.19407 50.28591	5- 6
6 -12.305 -19.628 7 -10.675 -19.947	601.31921	-51.4 -60.1	10.7	-82.1 -80.0	34.2 31.1	12.05397	0.839	-91.1 68 -85.5 68	8.7 40 8.2 40	.5 33.1 .7 29.4	26.6	57.19407 50.28591	5- 6 6- 7
6 -12.305 -19.628 7 -10.675 -19.947	601.31921	-51.4 -60.1	10.7 9.6	-82.1 -80.0	34.2 31.1 TAB NO	12.05397 11.73064 53	0.839 0.872	-91.1 66 -85.5 66	8.7 40 8.2 40	.5 33.1 .7 29.4	26.6 27.0 POD \$	57.19407 50.28591 SEQUENCE NO	5- 6 6- 7 713
3 - 12.305 - 19.628 7 - 10.675 - 19.947 JULY 31,1964 13 HP	601.31921 585.02843 R 22 MIN 5	-51.4 -60.1 SEC 586	10.7 9.6	-82.1 -80.0	34.2 31.1 TAB NO	12.05397 11.73064 53 ALT 505.8665	0.839 0.872 ATLA LAT 2 -7.80	-91.1 68 -85.5 68 S PHOTO N	8.7 40 8.2 40 10 5	.5 33.1 .7 29.4 3 R 2241.32	26.6 27.0 POD S	57.19407 50.28591 SEQUENCE NO PTH -68.083 11	5- 6 6- 7 713 A2 5-773
3 - 12.305 - 19.628 7 - 10.675 - 19.947 JULY 31,1964 13 HP	601.31921 585.02843 R 22 MIN 5	-51.4 -60.1 SEC 586	10.7 9.6	-82.1 -80.0	34.2 31.1 TAB NO	12.05397 11.73064 53 ALT 505.8665	0.839 0.872 ATLA LAT 2 -7.80	-91.1 68 -85.5 68 S PHOTO N	8.7 40 8.2 40 10 5	.5 33.1 .7 29.4 3 R 2241.32	26.6 27.0 POD S	57.19407 50.28591 SEQUENCE NO PTH -68.083 11	5- 6 6- 7 713 A2 5-773
3 - 12.305 - 19.628 7 - 10.675 - 19.947 JULY 31,1964 13 HP	601.31921 585.02843 R 22 MIN 5	-51.4 -60.1 SEC 586	10.7 9.6	-82.1 -80.0	34.2 31.1 TAB NO	12.05397 11.73064 53 ALT 505.8665	0.839 0.872 ATLA LAT 2 -7.80	-91.1 68 -85.5 68 S PHOTO N	8.7 40 8.2 40 10 5	.5 33.1 .7 29.4 3 R 2241.32	26.6 27.0 POD S	57.19407 50.28591 SEQUENCE NO PTH -68.083 11	5- 6 6- 7 713 A2 5-773
3 - 12.305 - 19.628 7 - 10.675 - 19.947 JULY 31,1964 13 HP	601.31921 585.02843 R 22 MIN 5	-51.4 -60.1 SEC 586	10.7 9.6	-82.1 -80.0	34.2 31.1 TAB NO	12.05397 11.73064 53 ALT 505.8665	0.839 0.872 ATLA LAT 2 -7.80	-91.1 68 -85.5 68 S PHOTO N	8.7 40 8.2 40 10 5	.5 33.1 .7 29.4 3 R 2241.32	26.6 27.0 POD S	57.19407 50.28591 SEQUENCE NO PTH -68.083 11	5- 6 6- 7 713 A2 5-773
3 - 12.305 - 19.628 7 - 10.675 - 19.947 JULY 31,1964 13 HP	601.31921 585.02843 R 22 MIN 5	-51.4 -60.1 SEC 586	10.7 9.6	-82.1 -80.0	34.2 31.1 TAB NO	12.05397 11.73064 53 ALT 505.8665	0.839 0.872 ATLA LAT 2 -7.80	-91.1 68 -85.5 68 S PHOTO N	8.7 40 8.2 40 10 5	.5 33.1 .7 29.4 3 R 2241.32	26.6 27.0 POD S	57.19407 50.28591 SEQUENCE NO PTH -68.083 11	5- 6 6- 7 713 A2 5-773
7 - 12.305 - 17.4028 7 - 10.675 - 19.947  JULY 31,1964 13 HF  TRAJECTORY DATA PHOTO DATA PT LAT LON 1 - 10.813 - 20.196 2 - 11.412 - 18.933 3 - 10.681 - 19.959 4 - 10.570 - 18.190	8 22 MIN 5  RANGE 559.835.07	-51.4 -60.1 SEC 586 AZS/C -56.4 -58.3 -60.1	10.7 9.6 MS	-82.1 -80.0 SEC TO 223 AZSUN -81.5 -81.1	32.3 31.1 TAB NO IMPACT .214 AZA 32.4 31.7 31.1	12.05397 11.73064 53 ALT 505.8665 A. 11.66693 11.65887 11.25246	0.839 0.872 ATLA 2 -7.81 0.83C 0.831 0.873	-91.1 66 -85.5 66 S PHOTO N LCN 64 -26.5; AZPHAZ III -89.2 66 -85.5 66	8.7 40 8.2 40 10 5: 22 NCD PH 8.0 41 9.3 38 8.2 40	7 29.4 3 R 2241.32 AZ EMIS .4 28.8 .3 33.8 .7 29.4	26.6 27.0 POD S 2 2.359 ALPHA 26.0 30.1 27.0	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137	5- 6 6- 7 713 AZ 5-773 PT-PT 0- 1 1- 2 2- 3
3 - 12.305 - 19.628 7 - 10.675 - 19.947 JULY 31,1964 13 HP	601.31921 585.02843 22 MIN 5 RANGE 558.83507 580.50423 561.18049 586.96412 604.31056 676.77943	AZS/C -56.4 -60.1 SEC 586 AZS/C -56.4 -60.1 -64.7 -56.9 -51.5	10.7 9.6 MS	-82.1 -80.0 SEC TO 223 AZSUN -81.5 -81.1	32.3 31.1 TAB NO IMPACT .214 AZA 32.4 31.7 31.1	12.05397 11.73064 53 ALT 505.8665 A. 11.66693 11.65887 11.25246	0.839 0.872 ATLA 2 -7.81 0.83C 0.831 0.873	-91.1 66 -85.5 66 S PHOTO N LCN 64 -26.5; AZPHAZ III -89.2 66 -85.5 66	8.7 40 8.2 40 10 5: 22 NCD PH 8.0 41 9.3 38 8.2 40	7 29.4 3 R 2241.32 AZ EMIS .4 28.8 .3 33.8 .7 29.4	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.814556	5-6 6-7 713 A2 .5.773 PT-PT 0-1 1-2 2-3 3-4 5-6
FIGURE 19.508 7 -10.675 -19.628 7 -10.675 -19.947  JULY 31,1964 13 H  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 -10.813 -20.196 2 -11.412 -18.733 3 -10.681 -19.959 4 -10.570 -18.190 5 -12.205 -17.802	601.31921 585.02843 22 MIN 5 RANGE 558.83507 580.50423 561.18049 586.96412 694,34066 676.77943	AZS/C -56.4 -60.1 SEC 586 AZS/C -56.4 -60.1 -64.7 -56.9 -51.5	10.7 9.6 MS 10.2 10.8 9.6 10.9 12.1 10.6	-82.1 -80.0 SEC TO 223 AZSUN -81.5 -81.1	32.3 31.1 TAB NO IMPACT .214 AZA 32.4 31.7 31.1 29.3 32.3 34.1	12.05397 11.73064 53 ALT 505.8665 A. 11.66693 11.65887 11.25246 11.76618 12.11867	0.839 0.872 ATLA 2 -7.80 0.830 0.831 0.873 0.820 0.826 0.827 0.827	-91.1 68 -85.5 66 S PHOTO N 64 -26.5; AZPHAZ II -89.2 66 -88.2 66 -85.5 66 -91.2 7 -91.1 66 -85.5 66	8.7 40 8.2 40 10 5: 22 NCD PH 8.0 41 9.3 38 8.2 40 9.9 36 8.6 40 8.2 40	33.1 .7 29.4 3 R 2241.32 AZ EMIS .4 28.8 .3 33.8 .7 29.4 .1 35.1 .0 38.3	26.6 27.0 POD \$ 2.359 ALPHA 26.0 30.1 27.0 33'.4 32.1 26.6 27.0	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.22580	5-6 6-7 713 AZ 5-773 PY-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
3 - 12.205 - 17.678 6 - 12.305 - 19.628 7 - 10.675 - 19.947  JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 - 10.813 - 20.196 2 - 11.412 - 18.733 3 - 10.681 - 19.959 4 - 10.570 - 18.190 5 - 12.205 - 17.802 6 - 12.245 - 19.653	RANGE 556.83507 580.50423 561.18049 560.434066 576.77943 561.18089	AZS/C -56.4 -58.3 -60.1 -64.7 -56.9 -51.5 -60.1	10.7 9.6 MS 10.2 10.8 9.6 10.9 12.1 10.6 9.6	-82.1 -80.0 SEC TO 223 AZSUN -81.5 -81.1 -80.0 -82.4	32.3 31.1 TAB NO IMPACT .214 AZA 32.4 31.7 31.1 29.3 32.3 34.1	12.05397 11.73064 53 ALT 505.8665 A. 11.66693 11.65887 11.25246 11.76618 12.11867	0.839 0.872 ATLA 2 -7.80 0.830 0.831 0.873 0.820 0.826 0.827 0.827	-91.1 66 -85.5 66 S PHOTO N LCN 64 -26.5 AZPHAZ II -89.2 66 -85.5 66 -85.0 66 -91.2 73	8.7 40 8.2 40 10 5: 22 NCD PH 8.0 41 9.3 38 8.2 40 9.9 36 8.6 40 8.2 40	R 2241.32  AZ EMIS .4 28.8 .3 33.8 .7 29.4  .1 35.1 .0 38.3 .0 .7 29.4	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 33'.4 32.1 26.6 27.0 POD	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.22580 SEQUENCE NO	5-6 6-7 713 AZ 5-773 PY-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7
FIGURE 11,1964 13 HS TRAJECTORY DATA PHOTO DATA PT LAT LON 1 -10.813 -20.196 2 -11.412 -18.933 3 -10.681 -19.959 4 -10.570 -18.190 5 -12.205 -17.802 6 -12.205 -17.802 6 -12.205 -19.653 7 -10.681 -19.959	RANGE 556.83507 580.50423 561.18049 560.434066 576.77943 561.18089	AZS/C -56.4 -58.3 -60.1 -64.7 -56.9 -51.5 -60.1	10.7 9.6 MS 10.2 10.8 9.6 10.9 12.1 10.6 9.6	SEC TO 223  AZ SUN -81.5 -81.1 -80.0 -80.0 -80.0 -80.0 -80.0	34.2 31.1 TAB NO IMPACT. 214 AZA 32.4 31.7 31.1 29.3 32.3 34.1 TAB NO	12.05397 11.73064 53 ALT 505.8665 A. 11.66693 11.65887 11.25246 11.76618 12.11867 11.56206 11.25246	C. 639 C. 639 C. 872 ATLA LAT 2 -7.80 B/A C. 83C C. 83	-91.1 66 -85.5 68 S PHOTO N LCN 64 -26.5; AZPHAZ II -89.2 66 -88.2 66 -85.5 66 -85.5 66 -91.2 77 -91.1 66 -85.5 6	22 NCD PH 88.0 41 9.3 38 88.2 40 9.9 3 66 88.6 40 88.2 40	R 2241.32  AZ EMIS .4 28.8 .3 33.8 .4 35.1 .5 .1 .5 .1 .5 .1 .1 .5 .1 .0 .38.3 .0 .7 29.4	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 33.4 32.1 26.6 27.0 POD	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.2258 54.81456 54.81456	5-6 6-7 713 AZ 5-773 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 721
FIGURE 11,1964 13 HISTARIAN TRAJECTORY UATA  PHOTO DATA PT LAT LON 1 -10.813 -20.196 2 -11.412 -18.933 3 -10.681 -19.959 4 -10.570 -18.190 5 -12.205 -17.802 6 -12.245 -19.653 7 -10.681 -19.959  JULY 31,1964 13 HISTARJECTORY DATA PHOTO DATA	RANGE 555.02843 8 22 MIN 5 RANGE 556.83507 580.50423 561.18089 586.96412 609.34066 576.77943 561.18089	AZS/C -50.1 SEC 586 AZS/C -56.4 -58.3 -60.1 -64.7 -56.9 -51.5 -60.1 SEC 305	10.7 9.6 MS 10.2 10.8 9.6 10.9 12.1 10.6 9.6	SEC TO 223  AZ SUN -81.5 -80.0  -81.5 -81.1 -80.0 -82.4 -82.1 -80.0	34.2 31.1 TAB NO IMPACT 214 AZA 32.4 31.7 31.1 29.3 34.1 31.1 TAB NO	12.05397 11.73064 53 ALT 505.8665 A. 11.66693 11.65887 11.25246 11.76618 12.11867 11.56206 11.25246 54	0.839 0.872 ATLA 2 -7.80 0.83C 0.83C 0.83C 0.83C 0.82C 0.84C 0.873 ATLA	-91.1 66 -85.5 66 S PHOTO N LCN 64 -26.5; AZPHAZ II -89.2 66 -85.5 66 -85.0 67 -91.2 7 -91.1 66 -85.5 66 -85.5 68 -91.2 7 -91.1 66 -85.5 68 -85.5 68	8.7 40 8.2 40 NO 5: 22 NCD PH 8.0 41 9.3 38 8.2 40 9.9 36 8.6 40 8.6 40 NO 5	R 2241.32 AZ EMIS AZ EMIS EMIS EMIS EMIS EMIS EMIS EMIS EMIS	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 33.4 32.1 26.6 27.0 POD	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.2258 48.2258 SEQUENCE NO PTH 5-67.989 11	5-6 6-7 713 AZ 5-773 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 721
3 - 12.305 - 19.628 7 - 10.675 - 19.947  JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 - 10.813 - 20.196 2 - 11.412 - 18.933 3 - 10.681 - 19.959 4 - 10.570 - 18.190 5 - 12.205 - 17.802 6 - 12.245 - 19.653 7 - 10.681 - 19.959  JULY 31,1964 13 HF  TRAJECTORY DATA PHOTO DATA PT LAT LON	RANGE  RANGE  RANGE  RANGE  S58.83507  580.50423  561.18089  RANGE  RANGE  RANGE  RANGE  RANGE	AZS/C -56.9 -51.5 -60.1 SEC 305	MS AZN 10.2 10.9 12.1 10.6 MS	-82.1 -80.0 SEC TO 223 AZSUN -81.5 -81.1 -80.0 -82.4 -82.1 -80.0	34.2 31.1 TAB NO 1MPACT .214 AZA 32.4 31.7 31.1 29.3 34.1 31.1 TAB NO	12.05397 11.73064 53 ALT 505.8665 11.66693 11.65887 11.25246 11.76618 12.11867 11.55246 54 ALT 491.1484	0.839 0.872 ATLA 2 -7.81 0.83C 0.833 0.873 0.873 0.873 ATLA 17 -7.9	-91.1 66 -85.5 68 IS PHOTO N 64 -26.5; AZPHAZ II -89.2 66 -85.5 66 -91.2 76 -91.1 66 -95.5 68 AS PHOTO N LON 31 -26.3; AZPHAZ II	8.7 40 8.2 40 10 5 22 NCD PH 8.0 41 9.3 38 9.3 38 9.3 38 9.3 38 9.3 38 9.3 38 9.5 36 8.6 40 8.6 40 8.6 40 8.6 40 8.7 40 8.8 40 8.0	7 29.4  R 2241.32  AZ EMIS .4 28.8 .3 33.8 .7 29.4 .1 35.1 .0 38.3 .5 33.0 .7 29.4  R 2226.60	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 33.4 32.4 32.1 26.6 27.0 POD	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.22580 SEQUENCE NO PTH 5-67.989 11 SCALE	5-6 6-7 713 AZ 5-773 PT-PT 0-1 1-2 2-3 3-4 4-5 6-7 0 721 AZ 15-752 PT-PT
3 - 12.305 - 17.678 6 - 12.305 - 19.628 7 - 10.675 - 19.947  JULY 31,1964 13 HS  TRAJECTORY DATA  PHOTO DATA PT LAT LON 1 - 10.813 - 20.196 2 - 11.412 - 18.933 3 - 10.681 - 19.959 4 - 10.570 - 18.190 5 - 12.205 - 17.802 6 - 12.205 - 17.802 6 - 12.205 - 17.802 7 - 10.681 - 19.959  JULY 31,1964 13 HS  TRAJECTORY DATA PT LAT LON 1 - 10.804 - 20.215	RANGE 558.02843  22 MIN 5  RANGE 558.03507 580.50423 561.18049 560.434066 576.77943 561.18089	AZS/C -56.4 -58.3 -60.1 -64.7 -56.9 -51.5 -60.1 SEC 305	MS AZN 10.6 9.6 MS AZN 10.2	SEC TO 22.4 -80.0  SEC TO 22.3  AZSUN -81.5 -81.1 -80.0  -80.0 -80.4 -82.1 -80.0  AZSUN -81.5	34.2 31.1 TAB NO IMPACT 214 AZA 32.4 31.7 31.1 29.3 34.1 31.1 TAB NO IMPACT 	12.05397 11.73064 53 ALT 505.8665 A. 11.66693 11.65887 11.25246 11.7661 11.76206 11.25246 54 ALT 491.1484 A. 11.33463	0.839 0.872 ATLA 2 -7.8: 8/A 0.83C 0.83C 0.83C 0.873 0.82C 0.873 ATLA 1 -7.9	-91.1 66 -85.5 68 S PHOTO N LCN 64 -26.52 AZPHAZ III -89.2 66 -85.5 66 -85.5 66 -91.2 7 -91.1 66 -85.5 66 -91.2 7 -91.1 66 -85.5 66 -91.2 7 -91.1 66 -85.5 66 -85.5 66	38.7 40 88.2 40 40 53 22 22 22 22 22 22 22 24 24 24 24 24 24	7 29.4 3 R 2241.32 AZ EMIS .4 28.8 .3 33.8 .7 29.4 .1 35.1 .0 28.3 .5 33.0 .7 29.4 4	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 33.4 32.1 26.6 27.0 POD	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.22580 SEQUENCE NO PTH 5-67.989 11 SCALE 0.	5-6 6-7 713 AZ 5-773 PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 0 721 AZ 15-752 PT-PT 0-1
3 - 12.305 - 19.628 7 - 10.675 - 19.947  JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 - 10.813 - 20.196 2 - 11.412 - 18.793 3 - 10.681 - 19.959 4 - 10.570 - 18.190 5 - 12.205 - 17.802 6 - 12.245 - 19.653 7 - 10.681 - 19.959  JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 - 10.804 - 20.215 2 - 11.395 - 18.971	601.31921 585.02843 22 MIN 5 RANGE 558.83507 580.50423 561.18089 360.96412 604.34006 676.77943 561.18089 2 22 MIN 12	AZS/C -50.1  SEC 586  AZS/C -56.4 -58.3 -60.1  SEC 305	AZN 10.6 MS AZN 10.8 9.6 10.9 12.1 10.6 9.6	SEC TO 223  AZSUN -61.5 -81.1 -80.0  SEC TO 216  AZSUN -81.5 -81.1 -80.0	34.2 31.1 TAB NO IMPACT .214 AZA 32.4 31.7 31.1 29.3 32.3 34.1 31.1 TAB NO IMPACT .494	12.05397 11.73064 53 ALT 505.8665 11.66693 11.65867 11.25246 11.76618 12.11867 11.55246 54 ALT 491.1484 Ae 11.33463 11.32672	C.7839 C.839 C.832 ATLA LAT 2 -7.81 B/A C.83C C.83C C.83C C.786 C.786 C.786 C.786 C.787 T.79 ATLA C.832 C.7.99 C.833 C.832 C.8	-91.1 66 -85.5 68 IS PHOTO N  LCN 64 -26.5; AZPHAZ II -89.2 66 -85.5 66 -91.2 76 -91.1 66 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61 -85.5 61	8.7 40 8.2 40 10 5: 22 NCD PH 8.0 41 9.3 38 88.2 40 9.9 36 88.2 40 NO 5	75 33.1 77 29.4 3 R 2241.32 AZ EMIS .4 28.8 .3 33.8 .7 29.4 1.1 35.1 .0 38.3 .5 33.0 .7 29.4 4 R 2226.60	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 33.4 33.1 26.6 27.0 POD	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.0851 37.71137 52.7034 50.84953 54.81456 48.22580 SEQUENCE NO PTH 5 -67.989 11 SCALE 0. 41.07609 36.62735	713  AZ 5.773  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7 0 721  AZ 15.752  PT-PT 0-1 1-2 2-3
3 - 12.305 - 17.678 6 - 12.305 - 17.628 7 - 10.675 - 19.947  JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 - 10.813 - 20.196 2 - 11.412 - 18.733 3 - 10.681 - 19.959 4 - 10.570 - 18.190 5 - 12.205 - 17.802 6 - 12.245 - 19.653 7 - 10.681 - 19.959  JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 1 - 10.804 - 20.215 2 - 11.395 - 18.971 3 - 10.685 - 19.968 4 - 10.577 - 18.250	RANGE 588.3507 580.50423 561.31921 585.02843 8 22 MIN 5  RANGE 578.050423 561.18089 8 22 MIN 12  RANGE 542.05865 563.96601 545.212848 570.21855	AZS/C -56.4 -60.1 SEC 586  AZS/C -56.3 -60.1 -64.7 -56.9 -60.1 SEC 505	AZN 10.7 9.6 MS 10.2 10.8 9.6 10.9 12.1 10.6 9.6	SEC TO 223  AZSUN -81.5 -80.0  SEC TO 223  AZSUN -81.5 -81.1 -80.0  AZSUN -81.5 -81.5	34.2 31.1 TAB NO IMPACT .214 AZA 32.4 31.7 31.1 29.3 32.3 34.1 31.1 TAB NO IMPACT .494 AZA 32.4 32.4 31.7	12.05397 11.73064 53 ALT 505.8665 11.66693 11.65887 11.25246 11.76618 12.11867 11.55246 54 ALT 491.1484 Ae 11.33463 11.32672 10.93228	0.839 0.872 ATLA 2 -7.80 8/A 0.83C 0.83C 0.82C 0.82C 0.82C 0.873 ATLA 7 -7.9 8/A 0.831 0.832 0.873	-91.1 66 -85.5 68 S PHOTO N  64 -26.53  AZPHAZ II -89.2 66 -85.5 66 -91.2 76 -91.1 66 -95.5 67  AS PHOTO N  LON 31 -26.3  AZPHAZ II -89.2 66 -85.5 66	22 NC D PH NC	R 2241.32  AZ EMIS .4 28.8 .3 33.8 .7 29.4 .1 35.1 35.1 29.4 4  R 2226.60  IAZ EMIS 29.4 .1 35.1 35.1 35.1 35.1 35.1 35.1 35.1 3	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 POD \$ 4 2.365 ALPHA 25.9 30.1 27.0	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.22580 SEQUENCE NO PTH 5-67.989 11 SCALE 0. 41.07609 36.62735 51.23945	713  AZ 5.773  PY-PT 0-1 1-2 2-3 3-4-5 6-7 0 721  AZ 15.752  PT-PT 0-1 1-2 2-3 3-4-5 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4 3-4
3 - 12.305 - 17.678 6 - 12.305 - 17.628 7 - 10.675 - 19.947  JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 - 10.813 - 20.196 2 - 11.412 - 18.733 3 - 10.681 - 19.959 4 - 10.570 - 18.190 5 - 12.205 - 17.802 6 - 12.245 - 19.653 7 - 10.681 - 19.959  JULY 31,1964 13 HF  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 1 - 10.804 - 20.215 2 - 11.395 - 18.971 3 - 10.685 - 19.968 4 - 10.577 - 18.250	RANGE 588.3507 580.50423 561.31921 585.02843 8 22 MIN 5  RANGE 578.050423 561.18089 8 22 MIN 12  RANGE 542.05865 563.96601 545.212848 570.21855	AZS/C -56.4 -60.1 SEC 586  AZS/C -56.3 -60.1 -64.7 -56.9 -60.1 SEC 505	AZN 10.7 9.6 MS 10.2 10.8 9.6 10.9 12.1 10.6 9.6	SEC TO 223  AZSUN -81.5 -80.0  SEC TO 223  AZSUN -81.5 -81.1 -80.0  AZSUN -81.5 -81.5	34.2 31.1 TAB NO IMPACT .214 AZA 32.4 31.7 31.1 29.3 32.3 34.1 31.1 TAB NO IMPACT .494 AZA 32.4 32.4 31.7	12.05397 11.73064 53 ALT 505.8665 11.66693 11.65887 11.25246 11.76618 12.11867 11.55246 54 ALT 491.1484 Ae 11.33463 11.32672 10.93228	0.839 0.872 ATLA 2 -7.80 8/A 0.83C 0.83C 0.82C 0.82C 0.82C 0.873 ATLA 7 -7.9 8/A 0.831 0.832 0.873	-91.1 66 -85.5 68 S PHOTO N  64 -26.53  AZPHAZ II -89.2 66 -85.5 66 -91.2 76 -91.1 66 -95.5 67  AS PHOTO N  LON 31 -26.3  AZPHAZ II -89.2 66 -85.5 66	22 NC D PH NC	R 2241.32  AZ EMIS .4 28.8 .3 33.8 .7 29.4 .1 35.1 35.1 29.4 4  R 2226.60  IAZ EMIS 29.4 .1 35.1 35.1 35.1 35.1 35.1 35.1 35.1 3	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 POD \$ 4 2.365 ALPHA 25.9 30.1 27.0	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.22580 SEQUENCE NO PTH 5-67.989 11 SCALE 0. 41.07609 36.62735 51.23945	713  AZ 5.773  PT-PT 0-1 1-2 2-3 3-4 4-5 5-6 7 0 721  AZ 15.752  PT-PT 0-1 1-2 2-3 3-4 4-5
TRAJECTORY DATA PHOTO DATA 1-10.675 PHOTO DATA PT LAT LON 1-10.813 3-10.681 1-19.959 4-10.570 1-18.190 5-12.205 17.802 6-12.245 7-10.681 1-19.959  JULY 31,1964 13 HT TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LCN 1-10.804 1-10.804 1-10.804 1-10.805 1-10.685 1-10.685 1-10.685 1-10.685 1-10.685 1-10.685 1-10.685 1-10.685 1-10.685 1-10.685 1-19.968	RANGE F59-83507 S01-31921 S05-02843 RANGE F59-83507 S00-50423 S01-18089 RANGE S76-77943 S01-18089 RANGE S22-MIN 12 RANGE S42-05865 S03-96601 S45-212848 S76-21855 S47-10529 S60-34829	AZS/C -56.4 -60.1 SEC 586  AZS/C -56.3 -60.1 -64.7 -56.9 -60.1 SEC 505	AZN 10.7 9.6 MS 10.2 10.8 9.6 10.9 12.1 10.6 9.6	SEC TO 223  AZSUN -81.5 -80.0  SEC TO 223  AZSUN -81.5 -81.1 -80.0  AZSUN -81.5 -81.5	34.2 31.1 TAB NO IMPACT .214 AZA 32.4 31.7 31.1 29.3 32.3 34.1 31.1 TAB NO IMPACT .494 AZA 32.4 32.4 31.7	12.05397 11.73064 53 ALT 505.8665 11.66693 11.65887 11.25246 11.76618 12.11867 11.55246 54 ALT 491.1484 Ae 11.33463 11.32672 10.93228	0.839 0.872 ATLA 2 -7.80 8/A 0.83C 0.83C 0.82C 0.82C 0.82C 0.873 ATLA 7 -7.9 8/A 0.831 0.832 0.873	-91.1 66 -85.5 68 S PHOTO N LCN 64 -26.57 AZPHAZ II -89.2 66 -85.5 66 -91.2 7 -91.1 66 -91.2 7 -91.1 68 AS PHOTO N 31 -26.31 AZPHAZ II -85.5 66 -91.2 7 -91.1 68 -85.5 66 -85.5 66 -85.5 66 -85.5 66 -85.5 66	22 NC D PH NC	R 2241.32  AZ EMIS .4 28.8 .3 33.8 .7 29.4 .1 35.1 35.1 29.4 4  R 2226.60  IAZ EMIS 29.4 .1 35.1 35.1 35.1 35.1 35.1 35.1 35.1 3	26.6 27.0 POD \$ 2 2.359 ALPHA 26.0 30.1 27.0 POD \$ 4 2.365 ALPHA 25.9 30.1 27.0	57.19407 50.28591 SEQUENCE NO PTH -68.083 11 SCALE 0. 41.69851 37.71137 52.76384 50.84953 54.81456 48.22580 SEQUENCE NO PTH 5-67.989 11 SCALE 0. 41.07609 36.62735 51.23945	713  AZ 5.773  PT-PT 0-1 1-2 2-3 3-4-5 6-7 0 721  AZ 15.752  PT-PT 0-1 1-2 2-3 3-4-5 5-6-7 0 721

				RA-VII	CAMERA	P4						10 .
JULY 31,1964 13 HR		SEC 345			TAB NO	55	ATLAS PHOTO	NO	55	POD S	SEQUENCE NO	727
TRAJECTORY DATA	22 11111 17	320 343		SEC TO	IMPACT	ALT	LAT LG	N.	. R	v	РТН	AZ
				211.	454	480.09122	-7.081 -26.	279	2215 54	7 2 240	-47 010 11	E 72E
PHOTO DATA PT LAT LCN 1 -10.797 -20.229 2 -11.382 -19.000 3 -10.687 -19.975 4 -10.581 -18.296 5 -12.134 -17.928 6 -12.173 -19.665 7 -10.687 -19.075	RANGE 530.50275	AZS/C -56.4	AZN 10.2	AZ SUN -81.5	AZA 32.4	A* 11.08482	B/A AZPHAZ 0.831 -89.2	INCD 67.9	PHAZ EMIS 41.5 28.7	ALPHA 25.9	SCALE 0-	PT-PT'
2 -11.382 -19.000	551.53338	-58.3	10.8	-81-1	31.7	11.07702	0.832 -88.2	69.2	38.3 33.7	30.0	40.59733	1- 2
4 -10.581 -18.296	557.63134	-64.6	10.9	-80.0	29.4	11.17820	0.821 ~85.0	69.8	36.1 35.0	33.3	50.09460	3- 4
5 -12.134 -17.928	574.12108	-56.9	12-0	-82.4 -82.1	32.3	10.98508	0.788 -91.2	70.3	36-0 38-1	33-0	48.28679 52.03590	4- 5
7 -10.687 -19.975	533.20786	-60.0	9.6	-80.0	31.2	10.69156	0.873 -85.5	68.2	40.7 29.4	26.9	45.80975	6 7
JULY 31,1964 13 HR					TAB NO	56	ATLAS PHOTO				SEQUENCE NO	
TRAJECTORY DATA				SEC TO	IMPACT	ALT	LAT LO	N	R	v	PTH	ÁZ
PHOTO DATA				30 - 1 -		147 4 7 4 7 4 7 4 7						~ * 1 * ~
PT LAT LON 1 -10.789 -20.248	514.26358	AZ\$/C	10.2	AZ SUN -81.5	32.4	A* 10.75089	0.832 -89.2	1NCD_	PHAZ EMIS 41.5 28.6	25.8	SCALE	PT-PT 0- 1
2 -11.364 -19.039	534-91451	-58.3	10.8	-81.1	- 31 - Z -	10.74325	0.832 -88.2	69.2	38.3 33.7	30-0	39.93665	1-2
4 -10.588 -18.356	540.80723	-64.6	10.9	-79.9	29.5	10.36978	0.873 -85.0	69.8	36.1 34.9	33.2	48.56550	3- 4
5 -12.094 -18.001	556.76793	-56.9	12.0	-82.4	32.3	11.16397	0.789 -91.2	70.2	36.0 38.1	32.9	46.81797	4- 5
PHOTO DATA PT LAT LON 1-10.789 -20.248 2-11.364 -19.039 3-10.691 -19.984 4-10.588 -18.356 5-12.094 -18.001 6-12.131 -19.703 7-10.691 -19.984	917.15965	0.00	9.6	-82.1	31.2	10.65409	0.873 -85.5	68.2	40.7 29.4	26.9	44.42426	6- 7
					TAB NO	57	ATLAS PHOTO	NO	57	POD S	SEQUENCE NU	739
JULY 31:1964 13 HR TRAJECTORY DATA					IMPACT	AL T	LAT LO	N	R	v	PIH	A 7
PHOTO DATA				201.	375	457.92847	-8.083 -26.			34 2.379	-67.773 11	5.702
PHOTO DATA PT LAT LCN 1 -10.784 -20.257 2 -11.355 -19.059 3 -10.692 -19.989	RANGE	AZS/C	AZN	AZSUN	AZA	A#	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	PT-PT
2 -11.355 -19.059	526.58563	-58.3	10.7	-81.1	31.7	10.57597	0.832 -89.2 0.833 -88.2 0.873 -85.5 0.822 -85.0	69.1	38.3 33.6	30.0	39.59490	1- 2
3 -10.692 -19.989	509.11646	-60.0	9.6	-80.0	31.2	10.20850	0.873 -85.5	68.2	40.7 29.4	26.9	34.17958	2-3
4 -10.591 -18.387 5 -12.073 -18.038_	224 21240	-64.0	10.4	-19.9	29.5	10.01142	0.822 -85.0	70.2	36-0 38-0	33.2	47.79957 46.08218	3~ 4 4~ 5
6 -12.110 -19.713	523.20840	-51.6	10.6	-82.2	33.9	10.48821	0.841 -91.1	68.6	40.6 32.9	26.5	49.62978	5- 6
7 -10.692 -19.989	509.11046	-60.0	9.6				0.873 -85.5					
JULY 31,1964 13 HR	22 MIN 32	SEC 464	MS		TAB NO	58	ATLAS PHOTO	NO	58	POD S	SEQUENCE NO	745
JULY 31,1964 13 HR TRAJECTORY DATA	22 MIN 32	SEC 464		SEC TO		ALT	LAT LO	n -	R	٧	PTH	AZ
TRAJECTORY DATA				SEC TO	IMPACT	ALT 446.8223	LAT LO 9 -8.134 -25.	N . 957	R 2182.2	V 78 2.384	PTH -67.700 11	AZ 5.685
TRAJECTORY DATA				SEC TO	IMPACT	ALT 446.8223	LAT LO 9 -8.134 -25.	N . 957	R 2182.2	V 78 2.384	PTH -67.700 11	AZ 5.685
TRAJECTORY DATA				SEC TO	IMPACT	ALT 446.8223	LAT LO 9 -8.134 -25.	N . 957	R 2182.2	V 78 2.384	PTH -67.700 11	AZ 5.685
TRAJECTORY DATA				SEC TO	IMPACT	ALT 446.8223	LAT LO 9 -8.134 -25.	N . 957	R 2182.2	V 78 2.384	PTH -67.700 11	AZ 5.685
PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9	AZN 10.2 10.7 9.6 10.9 12.0	SEC TO 196. AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4	AZA 32.4 31.7 31.2 29.6 32.3	ALT 446.82239 A• 10.33185 10.32442 9.96599 10.41780 10.72741	UAT CONTROL CO	INCD 67.9 69.1 68.2 69.7 70.1	R 2182.21 PHAZ EMI: 41.6 28.5 38.3 33.4 40.7 29.4 36.1 34.4 36.0 37.4	V 78 2.384 5 ALPHA 5 25.7 6 29.9 4 26.9 8 33.1 9 32.8	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.66748 44.97567	AZ 5.685 PI-PT 0- 1 1- 2 2- 3 3- 4 4- 5
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6	AZN 10.2 10.7 9.6 10.9 12.0 10.5	SEC TO 196. AZSUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2	IMPACT 335 AZA 32.4 31.7 31.2 29.6 32.3 33.9	ALT 446.8223° 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877	LAT LC 0 -8.134 -25. B/A AZPHAZ 0.832 -89.2 0.873 -88.2 0.873 -85.5 0.822 -85.0 0.790 -91.2 0.842 -91.0	INCD 67.9 69.1 68.2 69.7 70.1 68.6	R 2182.2 PHAZ EMI 41.6 28.5 38.3 33.4 40.7 29.4 36.1 34.4 36.0 37.4 40.6 32.4	V 78 2.384 5 ALPHA 5 25.7 6 29.9 7 26.9 8 33.1 8 32.8 8 26.5	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.64748 44.97567 48.42727	AZ 5.685 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6
PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0	AZN 10-2 10-7 9-6 10-9 12-0 10-5 9-6	SEC TO 196. AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0	IMPACT 335 AZA 32.4 31.7 31.2 29.6 32.3 33.9 31.2	ALT 446.8223 A• 10.33185 10.32442 9.96599 10.41780 10.72741 1C.23877 9.96599	LAT LC 0 -8.134 -25. B/A AZPHAZ 0.832 -89.2 0.833 -88.2 0.873 -85.5 0.822 -85.0 0.790 -91.2 0.842 -91.0 0.873 -85.5	INCD 67.9 69.1 68.2 69.7 70.1 68.6 68.2	R 2182.21 PHAZ EMI: 41.6 28.5 38.3 33.4 40.7 29.4 36.1 34.4 36.0 37.4	V 78 2.384 5 ALPHA 5 25.7 6 29.9 7 26.9 8 33.1 3 2.8 8 26.5 4 26.9	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.66748 44.97567 48.42727 42.68588	AZ 5-685 PI-PT 0- 1 1- 2 2- 3 3- 4 5- 5- 6 6- 7
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183	AZS/C ~56.4 -58.3 -60.0 -64.5 ~56.9 -51.6 -60.0 SEC 504	AZN 10-2 10-7 9-6 10-9 12-0 10-5 9-6	SEC TO 196. AZSUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0	IMPACT 335 AZA 32.4 31.7 31.2 29.6 32.3 33.9 31.2 TAB NO	ALT 446.82230 A• 10.33185 10.32442 9.96599 10.41780 10.72741 11.23877 9.96599	BAT LCC  B -8.134 -25  B/A AZPHAZ  C.832 -89.2  C.833 -88.2  C.873 -85.5  C.822 -85.0  C.922 -85.0  C.922 -85.0  C.924 -91.0  C.873 -85.5  ATLAS PHOTO	INCD 67.9 69.1 68.2 69.7 70.1 68.6 68.2	R 2182.2 PHAZ EMI 41.6 28.5 38.3 33.4 40.7 29.4 36.1 34.4 36.0 37.4 40.6 32.4	V 78 2.384 5 ALPHA 5 25.7 5 29.9 9 33.1 9 32.8 3 26.5 4 26.9	PTH -67.700_11 SCALE 0. 39.05491 34.55951 44.64748 44.97567 48.42727 42.68588	AZ 5-685 PI-PT 0- 1 1- 2 2- 3 3- 4 5- 5- 6 6- 7
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0	AZN 10-2 10-7 9-6 10-9 12-0 10-5 9-6	SEC TO 196.  AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0	IMPACT 335 AZA 32.4 31.7 31.2 29.6 32.3 33.9 31.2 TAB NO	ALT 446.82234 A• 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 59	BAT LCC  B -8.134 -25  B/A AZPHAZ  C.832 -89.2  C.833 -88.2  C.873 -85.5  C.822 -85.0  C.922 -85.0  C.922 -85.0  C.924 -91.0  C.873 -85.5  ATLAS PHOTO	INCD 67.9 69.1 68.2 69.7 70.1 68.6 68.2	R 2182.2: PHAZ EMI: 41.6 28.1 40.7 29.3 36.1 34.1 40.7 29.4 40.6 32.1 40.7 29.4	V 78 2.384 5 ALPHA. 5 25.7 5 29.9 7 26.9 8 33.1 9 32.8 8 26.5 4 26.9	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.66748 44.97567 48.42727 42.68588	AZ 5.685 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6 6-7
PHOTO DATA  PHOTO DATA  PT LAT 1-10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504	AZN 10-2 10-7 9-6 10-9 12-0 10-5 9-6	SEC TO 196. AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0	IMPACT 335 AZA 32.4 31.7 31.2 29.6 32.3 33.9 31.2 TAB NO	ALT 446.8223 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 59 ALT 435.69974	BAT LCG  B-8.134 -25.  B/A AZPHAZ  C.832 -89.2  C.833 -88.2  C.873 -85.5  C.822 -85.0  C.970 -91.2  C.873 -85.5  ATLAS PHOTO  LAT LCG  -8.186 -25.	INCD 67-9 69-1 70-1 68-2 69-7 70-1 68-6 68-2 NO	R 2182.22 PHAZ EMII 41.6 28.3 38.3 33.4 40.7 29.4 40.6 32.4 40.6 32.4 40.7 29.4	V 78 2.384 5 ALPHA 5 25.7 6 29.9 7 26.9 8 33.1 26.5 9 32.8 8 26.5 9 20.9 POD	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.664748 44.97567 48.42727 42.68588 SEQUENCE NO	AZ 5.685 PI-PI 0-1 1-2-3 3-4 4-5 5-6-7 751
PHOTO DATA  PHOTO DATA  PT LAT 1-10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504	AZN 10-2 10-7 9-6 10-9 12-0 10-5 9-6	SEC TO 196. AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0	IMPACT 335 AZA 32.4 31.7 31.2 29.6 32.3 33.9 31.2 TAB NO	ALT 446.8223 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 59 ALT 435.69974	BAT LCG  B-8.134 -25.  B/A AZPHAZ  C.832 -89.2  C.833 -88.2  C.873 -85.5  C.822 -85.0  C.970 -91.2  C.873 -85.5  ATLAS PHOTO  LAT LCG  -8.186 -25.	INCD 67-9 69-1 70-1 68-2 69-7 70-1 68-6 68-2 NO	R 2182.22 PHAZ EMII 41.6 28.3 38.3 33.4 40.7 29.4 40.6 32.4 40.6 32.4 40.7 29.4	V 78 2.384 5 ALPHA 5 25.7 6 29.9 7 26.9 8 33.1 26.5 9 32.8 8 26.5 9 20.9 POD	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.664748 44.97567 48.42727 42.68588 SEQUENCE NO	AZ 5.685 PI-PI 0-1 1-2-3 3-4 4-5 5-6-7 751
PHOTO DATA  PHOTO DATA  PT LAT 1-10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504	AZN 10-2 10-7 9-6 10-9 12-0 10-5 9-6	SEC TO 196. AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0	IMPACT 335 AZA 32.4 31.7 31.2 29.6 32.3 33.9 31.2 TAB NO	ALT 446.8223 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 59 ALT 435.69974	BAT LCG  B-8.134 -25.  B/A AZPHAZ  C.832 -89.2  C.833 -88.2  C.873 -85.5  C.822 -85.0  C.970 -91.2  C.873 -85.5  ATLAS PHOTO  LAT LCG  -8.186 -25.	INCD 67-9 69-1 70-1 68-2 69-7 70-1 68-6 68-2 NO	R 2182.22 PHAZ EMII 41.6 28.3 38.3 33.4 40.7 29.4 40.6 32.4 40.6 32.4 40.7 29.4	V 78 2.384 5 ALPHA 5 25.7 6 29.9 7 26.9 8 33.1 26.5 9 32.8 8 26.5 9 20.9 POD	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.664748 44.97567 48.42727 42.68588 SEQUENCE NO	AZ 5.685 PI-PI 0-1 1-2-3 3-4 4-5 5-6-7 751
PHOTO DATA  PHOTO DATA  PT LAT 1-10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504	AZN 10-2 10-7 9-6 10-9 12-0 10-5 9-6	SEC TO 196. AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0	IMPACT 335 AZA 32.4 31.7 31.2 29.6 32.3 33.9 31.2 TAB NO	ALT 446.8223 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 59 ALT 435.69974	BAT LCG  B-8.134 -25.  B/A AZPHAZ  C.832 -89.2  C.833 -88.2  C.873 -85.5  C.822 -85.0  C.970 -91.2  C.873 -85.5  ATLAS PHOTO  LAT LCG  -8.186 -25.	INCD 67-9 69-1 70-1 68-2 69-7 70-1 68-6 68-2 NO	R 2182.22 PHAZ EMII 41.6 28.3 38.3 33.4 40.7 29.4 40.6 32.4 40.6 32.4 40.7 29.4	V 78 2.384 5 ALPHA 5 25.7 6 29.9 7 26.9 8 33.1 26.5 9 32.8 8 26.5 9 20.9 POD	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.664748 44.97567 48.42727 42.68588 SEQUENCE NO	AZ 5.685 PI-PI 0-1 1-2-3 3-4 4-5 5-6-7 751
PHOTO DATA PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.797 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 1 -10.771 -20.285 2 -11.328 -19.121 3 -10.696 -20.006 4 -10.600 -18.481 5 -12.011 -18.150	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37  RANGE 481.67430 501.50421 484.89629 506.98653	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504	AZN 10.2 10.7 9.6 10.9 12.0 10.5 9.6 MS	SEC TO 196.  AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0  SEC TO 191.  AZ SUN -81.5 -81.1 -80.0 -79.9	IMPACT 335  AZA 32-4 31-7 31-2 29-6 32-3 33-9 31-2  TAB NO  IMPACT 296  AZA 32-4 31-7 31-7 31-2 29-6	ALT 446.8223 A• 10.33185 10.32442 9.96599 10.41780 10.72741 10.23817 9.96599 ALT 435.6997 435.6997 10.07723 9.72285 10.16301 10.46468	LAT LC  0 -8.134 -25.  b/A AZPHAZ  0.832 -89.2  0.833 -86.5  0.822 -85.0  0.790 -91.2  0.842 -91.0  0.873 -85.5  ATLAS PHOTO  LAT LO  LAT LO  0.832 -89.2  0.832 -89.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.3	INCD 67.9 69.1 68.2 69.7 70.1 68.6 68.2 NO INCD 67.9 69.1 69.6	R 2182.2 PHAZ EMI: 41.6 28.: 38.3 33.4 40.7 29.: 40.6 32.: 40.7 29.: 59 PHAZ EMI: 41.6 28.: 38.3 33.: 40.4 33.: 40.7 29.: 36.1 36.: 38.3 33.: 40.7 29.:	V 28 2.384 5 25.7 5 29.9 4 3.3.1 26.9 POD 5 2.388 5 ALPHA 4 25.7 6 29.9 8 33.1 26.5 2.388 5 ALPHA 4 25.7 6 29.9 8 33.1 26.9 8 33.1 26.5 2 3.2 7 6 29.9 8 33.1 26.7 6 29.0 8	PTH -67.700 11 SCALE 0. 39.05491 33.35951 46.66748 44.97567 48.42727. 42.68588 SEQUENCE NO -67.626 11 SCALE 0. 38.49304 32.53736 45.49280	AZ 5.685 PI-PI 0-1 1-2 2-3 3-4 4-5 5-6-7 751 AZ 75.667 PI-PI 0-1 1-2 2-3 3-4 4-5
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37  RANGE 481.67430 501.50421 484.89629 506.98653	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504	AZN 10.2 10.7 9.6 10.9 12.0 10.5 9.6 MS	SEC TO 196.  AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0  SEC TO 191.  AZ SUN -81.5 -81.1 -80.0 -79.9	IMPACT 335  AZA 32-4 31-7 31-2 29-6 32-3 33-9 31-2  TAB NO  IMPACT 296  AZA 32-4 31-7 31-7 31-2 29-6	ALT 446.8223 A• 10.33185 10.32442 9.96599 10.41780 10.72741 10.23817 9.96599 ALT 435.6997 435.6997 10.07723 9.72285 10.16301 10.46468	LAT LC  0 -8.134 -25.  b/A AZPHAZ  0.832 -89.2  0.833 -86.5  0.822 -85.0  0.790 -91.2  0.842 -91.0  0.873 -85.5  ATLAS PHOTO  LAT LO  LAT LO  0.832 -89.2  0.832 -89.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.3	INCD 67.9 69.1 68.2 69.7 70.1 68.6 68.2 NO INCD 67.9 69.1 69.6	R 2182.2 PHAZ EMI: 41.6 28.: 38.3 33.4 40.7 29.: 40.6 32.: 40.7 29.: 59 PHAZ EMI: 41.6 28.: 38.3 33.: 40.4 33.: 40.7 29.: 36.1 36.: 38.3 33.: 40.7 29.:	V 28 2.384 5 25.7 5 29.9 4 3.3.1 26.9 POD 5 2.388 5 ALPHA 4 25.7 6 29.9 8 33.1 26.5 2.388 5 ALPHA 4 25.7 6 29.9 8 33.1 26.9 8 33.1 26.5 2 3.2 7 6 29.9 8 33.1 26.7 6 29.0 8	PTH -67.700 11 SCALE 0. 39.05491 33.35951 46.66748 44.97567 48.42727. 42.68588 SEQUENCE NO -67.626 11 SCALE 0. 38.49304 32.53736 45.49280	AZ 5.685 PI-PI 0-1 1-2 2-3 3-4-5 5-6-7 751 A7 5.667 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7
PHOTO DATA PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.797 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 1 -10.771 -20.285 2 -11.328 -19.121 3 -10.696 -20.006 4 -10.600 -18.481 5 -12.011 -18.150	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183  22 MIN 37  RANGE 481.67430 501.50421 484.89629 506.98653 521.8879 498.29002 484.89629	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504 -56.4 -58.3 -60.0 -64.5 -56.9 -51.7 -60.0	AZN 10.2 10.7 9.6 10.9 12.0 10.5 9.6 MS	SEC TO 196.  AZ SUN -81.5 -81.180.0 -79.9  AZ SUN -82.4 -82.2 -80.0	IMPACT 335  AZA 32-4 31-7 31-2 29-6 32-3 33-9 31-2  TAB NO  IMPACT 296  AZA 32-4 31-7 31-7 31-2 29-6	ALT 446-8223'A 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 ALT 435-6997'A 10.07953 10.07223 9.72285 10.16301 10.46458 9.98871 9.98871	LAT LC  0 -8.134 -25.  b/A AZPHAZ  0.832 -89.2  0.833 -86.5  0.822 -85.0  0.790 -91.2  0.842 -91.0  0.873 -85.5  ATLAS PHOTO  LAT LO  LAT LO  0.832 -89.2  0.832 -89.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.2  0.833 -86.3	NS57 INCD 67-9 68-2 69-7 70-1 68-8 NO NO NO NO NO NO NO NO NO NO NO NO NO	R 2182.2: PHAZ EMI: 41.6 28.3 38.3 33.4 40.7 29.3 6.1 34.1 36.0 37.1 40.6 32.1 40.7 29.3 59 2171.1: PHAZ EMI: 41.6 28.3 38.3 33.4 40.7 29.3 36.0 37.1 40.6 32.1 40.7 29.4	78 2-384 5 25-7 5 29-9 8 33-1 8 26-5 9 20-9 POD 5 55 2-388 8 ALPHA 4 25-7 6 29-9 4 26-9 9 32-8 9 32-8 9 32-8 9 32-8 9 32-8 9 32-8 9 32-8 9 32-8 9 32-9 9 4 26-9 9 32-7 8 33-7 9 32-7 9 3	PTH -67.700 11 SCALE 0. 39.05491 33.35951 46.66748 44.97567 48.42727. 42.68588 SEQUENCE NO -67.626 11 SCALE 0. 38.49304 32.53736 45.49280	AZ 5.685 PI-PT 1-2 2-3 3-4 4-5 5-6 751 A7 5.667 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6-7
PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.771 -20.285 2 -11.328 -19.121 3 -10.696 -20.006 4 -10.600 -18.481 5 -12.011 -18.150 6 -12.047 -19.743 7 -10.696 -20.006	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183  22 MIN 37  RANGE 481.67430 501.50421 484.89629 506.98653 521.8879 498.29002 484.89629	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504 -56.4 -58.3 -60.0 -64.5 -56.9 -51.7 -60.0	AZN 10-2 10-7 9-6 10-9 12-0 10-5 9-6 MS	SEC TO	IMPACT 335  AZA 31.7 31.2 29.6 32.3 33.9 31.2  TAB NO  IMPACT 296  AZA 32.4 31.7 31.2 29.6 32.2 33.9 31.2  TAB NO	ALT 446.8223 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 ALT 435.6997 435.6997 10.07253 9.72285 10.16301 10.46458 9.78285	B/A AZPHAZ 0.873 -88.2 0.8833 -88.2 0.8833 -88.2 0.873 -85.5 0.822 -85.0 0.790 -91.2 0.842 -91.0 0.873 -85.5  ATLAS PHOTO  LAT LO 4 -8.186 -25.  B/A AZPHAZ 0.832 -88.2 0.873 -85.5 0.791 -91.2 0.873 -85.5  ATLAS PHOTO	N 557 INCD 67-9 68-2 790-1 68-2 NO N 1NCD 67-9 66-1 69-6 68-1 69-6 68-1 NO	R 2182.2: PHAZ EMI: 41.6 28.3 38.3 33.4 40.7 29.3 6.1 34.1 36.0 37.4 40.6 32.1 40.7 29.3 59 2171.1: PHAZ EMI: 41.6 28.3 36.1 34.1 36.0 37.4 40.6 32.4 40.7 29.3 60 37.4 40.6 22.4 60.7 29.3	V 78 2 384	PTH -67.700_11 SCALE 0. 39.05493 33.35951 46.64748 44.97567 48.42727 42.68588 SEQUENCE NO -67.626 11 SCALE 0. 38.49304 32.53736 45.49280 43.86684 47.22235 41.63942 SEQUENCE NO	AZ 5.685 PI-PT 0-1 1-2-3 3-4-5 5-6-7 ) 751 A7 5-667 PT-PT 0-1 1-2 2-3 3-4-5 5-6-7
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.696 -20.006 4 -10.690 -18.481 5 -12.011 -18.150 6 -12.047 -19.743 7 -10.696 -20.006  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37  RANGE 481.67430 501.50421 484.89629 498.29002 484.89629 22 MIN 42	AZS/C -56.4 -58.3 -60.0 -64.5 -50.6 -60.0 SEC 504 -58.3 -60.0 -64.5 -56.9 -51.7 -60.0	AZN 10-2 10-7 9-6 10-9 9-6 MS AZN 10-5 9-6 MS MS	SEC TO 1916.  AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0  SEC TO 191.  AZ SUN -81.1 -80.0 -79.9 -82.3 -82.2 -80.0	AZA 32-4 31-7 31-2 29-6 32-3 33-9 31-2 TAB NO IMPACT 296  AZA 32-4 31-7 31-2 29-6 32-2 33-9 31-2 TAB NO	ALT 446.8223 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 ALT 435.6997 435.6997 10.07253 9.72285 10.16301 10.46458 9.78285	LAT LCC 0 -8.134 -25.  B/A AZPHAZ 0.832 -89.2 0.833 -88.2 0.873 -88.5 0.822 -85.0 0.790 -91.2 0.842 -91.0 0.873 -85.5  ATLAS PHOTO  LAT LCC 4 -8.186 -25.  B/A AZPHAZ 0.832 -89.2 0.833 -88.2 0.833 -88.2 0.833 -88.5 0.823 -85.5 0.823 -85.5 0.823 -85.5  ATLAS PHOTO	N 557 INCD 67-9 69-1 68-2 NO NN 1NCD 69-7 1NCD 68-2 NO NN 1NCD 69-1 68-1 NNO NN 1NCD N	R 2182.2 PHAZ EMI: 41.6 28.3 38.3 33.4 40.7 29.4 40.7 29.4 59 2171.1: 59 2171.1: 60 22.4 40.7 29.6 60 R 2160.0	78 2-384 5 ALPHA. 5 25-7 5 29-9 8 33-1 9 32-8 3 26-5 9 POD: 55 2-388 4 25-7 6 29-9 4 26-9 POD: 9 32-8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PTH -67.700_11 SCALE 0. 39.05491 33.35951 46.66748 44.97567 48.42727. 42.68588 SEQUENCE NO -67.626 11 SCALE 0. 38.49304 32.53736 45.49280 47.22235 41.63942 SEQUENCE NO PTH -67.551 11	AZ 5.685 PI-PI 0-1 1-2 2-3 3-4 5-5 6-7 751 AZ 5-6 6-7 757 AZ 5.650
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.696 -20.006 4 -10.690 -18.481 5 -12.011 -18.150 6 -12.047 -19.743 7 -10.696 -20.006  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37  RANGE 481.67430 501.50421 484.89629 498.29002 484.89629 22 MIN 42	AZS/C -56.4 -58.3 -60.0 -64.5 -50.6 -60.0 SEC 504 -58.3 -60.0 -64.5 -56.9 -51.7 -60.0	AZN 10-2 10-7 9-6 10-9 9-6 MS AZN 10-5 9-6 MS MS	SEC TO 1916.  AZ SUN -81.5 -81.1 -80.0 -79.9 -82.4 -82.2 -80.0  SEC TO 191.  AZ SUN -81.1 -80.0 -79.9 -82.3 -82.2 -80.0	AZA 32-4 31-7 31-2 29-6 32-3 33-9 31-2 TAB NO IMPACT 296  AZA 32-4 31-7 31-2 29-6 32-2 33-9 31-2 TAB NO	ALT 446-8223' 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599  ALT 435-6997- 10.07953 10.07953 10.07223 9.72285 10.16301 10.46458 9.98871 9.72285 60  ALT 424-5606	B/A AZPHAZ 0.873 -85.5  ATLAS PHOTO  LAT LO 0.873 -88.2 0.873 -88.2 0.873 -85.5  ATLAS PHOTO  LAT LO 0.873 -85.5  ATLAS PHOTO	N 557 107.9 69.1 68.2 69.7 70.1 108.6 68.2 NO NO NO NO NO NO NO NO NO NO	R 2182.2: PHA2 EMI: 41.6 28.3 38.3 33.4 40.7 29.4 36.0 37.4 40.6 32.1 40.7 29.4 59  PHA2 EMI: 41.6 28.4 38.3 33.4 40.7 29.4 60  R 2160.0	V 78 2-384 5 25.7 5 29.9 9 26.5 2 388 S ALPHA 6 25.7 6 29.9 9 4 26.9 POD 9 32.7 POD 9 16 2-393	PTH -67.700_11 SCALE 0. 39.05491 33.35951 46.66748. 44.97567 48.42727. 42.68588 SEQUENCE NO -67.626 11 SCALE 0. 38.49304 32.53736. 45.49280 43.86684 47.22235 41.63942. SEQUENCE NO	AZ 5.685 PI-PT 0-1 1-2 3-4 4-5 5-6 6-7 751 AZ 5-6 6-7 757 AZ 5-650 PI-PT
PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 1 -10.771 -20.285 2 -11.328 -19.121 3 -10.696 -20.006 4 -10.600 -18.481 5 -12.011 -18.150 6 -12.047 -19.743 7 -10.696 -20.006  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.765 -20.298 2 -11.314 -19.152	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183 22 MIN 37  RANGE 481.67430 501.50421 484.89629 22 MIN 42  RANGE 498.29002 484.89629	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504 -58.3 -60.0 -64.5 -56.9 -51.7 SEC 544	AZN 10-2 10-7 9-6 10-9 11-9-6 MS	SEC TO 196.  AZ SUN -81.5 -81.180.0 -79.9 -82.4 -82.2 -80.0  SEC TO 191.  AZ SUN -81.5 -81.1 -80.0 -79.9 -82.3 -80.0	IMPACT 335  AZA 32-4 31-7 31-2 29-6 32-3 33-9 31-2  TAB NO  IMPACT 29-6 32-4 31-7 31-2 29-6 32-4 31-7 31-2 TAB NO	ALT 446-8223'A A- 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 ALT 435-6997'A A- 10.07953 10.07233 9.72285 10.16301 10.46458 9.98871 9.72285 60	LAT LC 0 -8.134 -25.  b/A AZPHAZ 0.832 -89.2 0.833 -88.2 0.873 -85.5 0.822 -85.0 0.790 -91.2 0.842 -91.0 0.873 -85.5  ATLAS PHOTO  LAT LO 0.833 -88.2 0.833 -88.2 0.833 -88.2 0.837 -85.5  ATLAS PHOTO  LAT LO 0.832 -89.2 0.873 -85.5  ATLAS PHOTO  LAT LO 0.832 -89.2 0.873 -85.5  ATLAS PHOTO  LAT LO 0.873 -85.5  ATLAS PHOTO	N 557 INCD 66.2 68.2 68.2 NO NO 1 INCD 66.3 1 INCD 66.5 68.1 NO NO N 737 INCD 67.9	R 2182.21 PHAZ EMI: 41.6 28.: 38.3 33 40.7 29.: 59 2171.1: PHAZ EMI: 41.6 28.: 36.0 37.: 40.6 32 40.7 29.: 60  R 2160.0 7. PHAZ EMI: 41.7 29.: 60	78 2-384 5 ALPHA 5 25-7 5 29.9 7 26-9 8 33-1 9 32-8 8 26-5 4 25-7 6 29-9 POD 5 2 3-88 8 3-1 9 32-7 8 26-9 POD 5 4 25-7 6 29-9 8 33-1 9 32-7 8 26-9 POD 5 8 33-1 9 32-7 8 26-9 POD 5 8 33-1 9 32-7 8 26-9 POD 5 8 33-1 9 32-7 8 26-9 POD 5 8 33-1 8 26-5 9 32-8 8 32-7 8 26-9 POD 5 8 33-1 8 32-7 8 26-9 POD 5 8 26-9 POD 5 POD	PTH -67.700 11 SCALE 0. 39.05493 33.35951 46.66748 44.97567 48.42727 42.68588 SEQUENCE NO 38.49304 32.53736 45.49280 43.86684 47.22235 41.63942 SEQUENCE NO PTH -67.551 11 SCALE 0. 37.91374	AZ 5.685 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 ) 751 AZ 5-667 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6 6-7 ) 757 AZ 5-650 PI-PT 0-1 1-2 1-2 1-3 1-4 1-5 1-5 1-6 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  PROTO DATA  PT LAT LON 1 -10.771 -20.285 2 -11.328 -19.121 3 -10.696 -20.006 4 -10.600 -18.481 5 -12.011 -18.150 6 -12.047 -19.743 7 -10.696 -20.006 JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.765 -20.298 2 -11.314 -19.152 3 -10.698 -20.015	RANGE 493.91265 514.06083 497.02183 519.69711 534.99601 510.76490 497.02183  22 MIN 37  RANGE 481.67430 501.50421 484.89629 506.98653 521.88799 498.29002 484.89629 22 MIN 42  RANGE 469.41522 488.91855 472.74214	AZS/C -56.4 -58.3 -60.0 -64.5 -56.9 -51.6 -60.0 SEC 504 -56.4 -58.3 -60.0 -64.5 -56.9 -51.7 -60.0 SEC 544	AZN 10-2 10-7 9-6 10-2 10-7 10-9 11-9 10-5 9-6 MS	SEC TO 191.  AZ SUN -81.5 -81.1 -80.0 -79.9 -82.2 -80.0  SEC TO 191.  AZ SUN -81.5 -81.1 -80.0 -79.9 -82.3 -82.2 -80.0	IMPACT 335  AZA 32.4 31.7 31.2 29.6 32.3 33.9 31.2  TAB NO  IMPACT 296  AZA 32.4 31.7 31.2 29.6 32.4 31.7 31.2 29.6 AZA 32.4 31.3	ALT 446.8233 A• 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599 ALT 435.6997 435.6997 435.6997 435.6997 435.6997 435.6997 445.6997 447.2285 60	B/A AZPHAZ  0.832 -89.2  0.832 -89.2  0.833 -80.2  0.833 -80.2  0.873 -85.5  0.822 -85.0  0.873 -85.5  ATLAS PHOTO  LAT	N 9577 INCD 68.2 69.7 70.1 68.2 69.7 70.1 66.0 68.2 NO N 1NCD 67.9 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1	R 2182.2 PHAZ EMI: 41.6 28.: 38.3 33.3 40.7 29.: 40.6 32.: 40.7 29.: 59  2171.1: PHAZ EMI: 40.6 32.: 40.7 29.: 60  R 2160.0 PHAZ EMI: 41.7 29.: 60  PHAZ EMI: 40.7 29.: 60  PHAZ EMI: 40.7 29.:	V 2384	PTH -67.700_11 SCALE 0.39.05493 33.35951 46.64748 44.97567 48.42727 42.08588 SEQUENCE NC -67.626 11 SCALE 0.38.49304 42.53736 45.49280 47.22235 41.63942 SEQUENCE NC PTH -67.551 11 SCALE 0.37.91374 31.71362	AZ 5.685 PI-PI 0-1 1-2 2-3 3-4 5-5 6-7 751 AZ 5-667 PI-PI 1-2 2-3 3-4 4-5 5-6 6-7 757 AZ 5-6 6-7
PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.778 -20.271  2 -11.342 -19.090  3 -10.694 -19.997  4 -10.595 -18.434  5 -12.042 -18.093  6 -12.079 -19.728  7 -10.694 -19.997  JULY 31,1964 13 HR  PROTO DATA  PT LAT LON  1 -10.771 -20.285  2 -11.328 -19.121  3 -10.696 -20.006  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON  1 -10.771 -20.285  6 -12.047 -19.734  7 -10.696 -20.006  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON  1 -10.765 -20.298  2 -11.314 -19.152  3 -10.698 -20.015  4 -10.698 -20.015	RANGE 493-91265 514-06083 497-02183 519-69711 534-99601 510-76490 497-02183  22 MIN 37  RANGE 481-67430 501-50421 484-89629 506-9865 521-88799 498-29002 484-89629 22 MIN 42  RANGE 469-41522 488-91855 712-74214	AZS/C -56.4 -64.5 -56.9 -51.6 -60.0 SEC 504 AZS/C -56.9 -51.7 -60.0 SEC 544 AZS/C -56.9 -51.7 -60.0	AZN 10-2 10-7 9-6 10-9 11-9 9-6 MS AZN 10-5 9-6 MS	SEC TO 196.  AZ SUN -81.5 -81.180.0 -79.9  AZ SUN -81.5 -81.1 -80.0 -79.9  SEC TO 191.  AZ SUN -81.5 -80.0 -79.9  -82.3 -80.0	IMPACT 335  AZA 32-4 31.7 31.2 29.6 32.3 33.9 31.2  TAB NO  IMPACT 296  AZA 32.4 31.7 31.2 29.6 AZA 32.4 31.7 31.2 TAB NO	ALT 446-8223  A* 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599  ALT 435.6997  ALT 10.07953 10.07223 9.72285 10.16301 10.46458 9.98871 9.72285 60  ALT 424.5606  A* 9.82636 9.82636 9.82636 9.82636 9.47915	LAT LC 0 -8.134 -25.  B/A AZPHAZ 0.832 -89.2 0.833 -88.2 0.873 -85.5 0.822 -85.0 0.790 -91.2 0.842 -91.0 0.873 -85.5  ATLAS PHOTO  LAT LO 0.832 -89.2 0.833 -88.2 0.873 -85.5  ATLAS PHOTO	N 557  INCD 67-9 69-1 68-2 68-2 NO NO NN N 737  INCD 67-9 68-1 10-2 NO NN N 737	R 2182.2: PHAZ EMI: 41.6 28.3 38.3 33.4 40.7 29.3 66.1 34.1 36.0 37.1 41.6 28.3 36.1 34.1 36.0 37.1 40.6 32.1 40.7 29.3 60  R 2160.0 PHAZ EMI: 41.7 29.3 60  PHAZ EMI: 41.7 29.3 60  PHAZ EMI: 41.7 29.3 60  PHAZ EMI: 40.7 29.3	78 2-384 5 ALPHA 5 25-7 5 29.9 7 26-9 8 33-1 9 32-8 8 26-5 9 26-9 POD: 55 2-388 8 26-5 9 22-7 9 22-8 9 22-7 9 22-8 9 26-9 POD: 9 26-9 9 26-9	PTH -67.700_11 SCALE 0. 39.05493. 33.35951 46.64748. 44.97567 48.42727. 42.68588 SEQUENCE NO -67.626 11 SCALE 0. 38.49304 32.53736. 45.49280 43.86684 47.22235 41.63942. SEQUENCE NO -67.551_11 SCALE 0. 37.91374 31.71362	AZ 5.685 PI-PT 0-1 1-2-3 3-4-5-6-7 ) 751 AZ 5-667 PI-PT 0-1 1-2 2-3 3-4-5-6-7 0-1 1-2 2-3 3-4-5-6-7 757
PHOTO DATA  PHOTO DATA  PT LAT LON 1 -10.778 -20.271 2 -11.342 -19.090 3 -10.694 -19.997 4 -10.595 -18.434 5 -12.042 -18.093 6 -12.079 -19.728 7 -10.694 -19.997  JULY 31,1964 13 HR  PROTO DATA  PT LAT LON 1 -10.771 -20.285 2 -11.328 -19.121 3 -10.696 -20.006 4 -10.600 -18.481 5 -12.011 -18.150 6 -12.047 -19.743 7 -10.696 -20.006 JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 1 -10.765 -20.298 2 -11.314 -19.152 3 -10.698 -20.015	RANGE 493-91265 514-06083 497-02183 519-69711 534-99601 510-76490 497-02183  22 MIN 37  RANGE 481-67430 501-50421 484-89629 506-9865 521-88799 498-29002 484-89629 22 MIN 42  RANGE 469-41522 488-91855 712-74214	AZS/C -56.4 -64.5 -56.9 -51.6 -60.0 SEC 504 AZS/C -56.9 -51.7 -60.0 SEC 544 AZS/C -56.9 -51.7 -60.0	AZN 10-2 10-7 9-6 10-9 11-9 9-6 MS AZN 10-5 9-6 MS	SEC TO 196.  AZ SUN -81.5 -81.180.0 -79.9  AZ SUN -81.5 -81.1 -80.0 -79.9  SEC TO 191.  AZ SUN -81.5 -80.0 -79.9  -82.3 -80.0	IMPACT 335  AZA 32-4 31.7 31.2 29.6 32.3 33.9 31.2  TAB NO  IMPACT 296  AZA 32.4 31.7 31.2 29.6 AZA 32.4 31.7 31.2 TAB NO	ALT 446-8233 A 10.33185 10.32442 9.96599 10.41780 10.72741 10.23877 9.96599  ALT 435-6997 AS 10.07723 9.72285 10.16301 10.464581 9.72285 60  ALT 424.5606  AB 9.82633 9.81946 9.47915 9.90765 10.20118 9.73806	B/A AZPHAZ  0.832 -89.2  0.832 -89.2  0.833 -80.2  0.833 -80.2  0.873 -85.5  0.822 -85.0  0.873 -85.5  ATLAS PHOTO  LAT	N 557 INCD 668-2 69-7 70-11 69-68-2 NO NO NA 7 737 INCD 68-68-1 NO NO NA 7 37 INCD 669-6 68-5 68-1 NO NO NA 7 37 INCD 67-9-0 68-1 NO NA 7 37 INCD 67-9-0 68-5 68-1 NO NA 7 37 INCD 67-9-0 68-1 NO NA 7 37 INCD 68-1 NO NA 7 37 INCD 67-9-0 NA 7 37 INCD 68-1 NO NA 7 37 INCD 68-1 N	R 2182.2 PHAZ EMI: 41.6 28.3 38.3 33.4 40.7 29.4 59.5 PHAZ EMI: 40.6 32.1 40.7 29.4 60.7 29.6 60 R 2160.0 37.4 60.6 32.1 40.7 29.6 60 R 2160.0 37.4 60.6 32.1 40.7 29.6 60 R 2160.0 37.4 60.6 32.1 40.7 29.6 60 R 2160.0 37.4 60.6 32.1 36.0 37.4 60.6 32.1 40.7 29.6 60 R 2160.0	78 2-384 5 ALPHA 5 25-7 5 29-9 8 33-1 9 32-8 9 26-9 POD: 55 2-388 6 ALPHA 4 25-7 6 29-9 9 26-9 POD: V 16 2-393 8 ALPHA 4 26-9 9 26-9 9 33-1 9 26-9 9 32-8 9 32-1 8 32-7 8 32-7 8 32-7 9 32-8 9	PTH -67.700 11 SCALE 0. 39.05491 33.35951 46.664748 44.97567 48.42727. 42.68588 SEQUENCE NO -67.626 11 SCALE 0. 38.49304 42.53736 45.49280 43.86684 47.22235 41.63942 SEQUENCE NO PTH -67.551 11 SCALE 0. 97.91374 31.71362 44.33617 42.75587	AZ 5.685 PI-PT 0-1 1-2 2-3 3-4 4-5 5-667 PI-PT 0-1 1-2 2-3 3-4 4-5 5-650 PI-PT 0-1 1-2 2-3 3-4 4-5 5-6-7

			RA-VII CAMERA	P4			11
			TAB NO	61	ATLAS PHOTO NO	61 POD	SEQUENCE NO 763
JULY 31,1964 13 HR	22 MIN 47 SEC 583	MS					-
TRAJECTORY DATA			SEC TO IMPACT 181.216	ALT 413.40463	LAT LON -8.292 -25.625	R V 2148.860 2.39	PTH AZ 18 -67.475 115.632
PHOTC DATA PT LAT LCN	RANGE AZS/C	AZN	AZSUN AZA	Δ.	B/A AZPHAZ INCE	PHAZ EMIS ALPHA	SCALE PT-PT
1 -10.759 -20.311	457.13475 -56.4	10.2	-81.5 32.3	9.57370	0.833 -89.2 67.9	41.7 28.3 25.6	0- 0-1
2 -11.300 -19.181	476.33249 -58.2 460.58317 -59.9	9.6	-81.1 31.8 -80.0 31.3	9.56668	0.834 -88.2 69.0 0.873 -85.5 68.1	38.3 33.5 29.6 40.7 29.3 26.9	
3 -10.700 -20.022 4 -10.608 -18.574	481.51175 -64.4	10.8	-80.0 31.3 -79.9 29.7	9.23534 9.65236	0.823 -85.0 69.5	36.1 34.7 33.0	) 43.18357 3-4
5 -11.948 -18.261	495.62114 -56.9	11.9	-82.3 32.2	9.93789	0.792 -91.2 70.0	36.0 37.8 32.4 40.6 32.7 26.5	
6 -11.982 -19.773 7 -10.700 -20.022	473.27905 -51.7 460.58317 -59.9	9.6	-82.2 33.8 -80.0 31.3	9.48735 9.23534		40.6 32.7 26.9	
							SEQUENCE NO 771
JULY 31-1964 13 HR	22 MIN 54 SEC 303	МŠ	TAB NO	62	ATLAS PHOTO NO	UZ PUL	SEQUENCE NO 771
				44 7	1.47	R V	PTH AZ
TRAJECTORY UNTA			SEC TO IMPACT 174.497	ALT 398.50369	LAT LGN 1 -8.364 -25.474	2133.959 2.4	5 -67.374 115.608
PHOTO DATA				•		DUA 2 ( NTC ALDIA	A SCALE PT-PT
PT LAT LON 1 -10.751 -20.329	RANGE AZS/C 440.72772 -56.4	AZN 10.2	AZ SUN AZA -81.5 32.3	A* 9.23572	0.834 -89.2 67.8	PHAZ EMIS ALPHA 41.8 28.2 25.	0. 0-1
2 -11.280 -19.221	459.5145C -58.2	10.7	-81.1 31.8	9.22891	0.834 -88.2 69.0	38.3.33.4 . 29.4	36.63373 1- 2
3 -10.702 -20.031 4 -10.613 -18.635	444.33374 -59.9 464.49617 -64.4	9.6	-80.0 31.3 -79.8 29.8	8.90952 9.31127		40.7 29.3 26.1 36.1 34.7 32.1	, _,,,,,,,
5 -11.906 -18.333	478.08020 -56.9	11.9	-82.3 32.2	9.58617	0.793 -91.1 69.9	36.0 37.7 32.	5 40.16439 4- 5
6 -11.939 -19.791 7 -10.702 -20.031	456.56544 -51.8 444.33374 -59.9	10.5	-82.2 33.7 -80.0 31.3	9.15232 8.90952	0.843 ~91.0 68.5 0.873 ~85.5 68.1	40.6 32.7 26.	
7 -10.702 -20.031		. 7.0					
JULY 31,1964 13 HR	22 MIN 57 SEC 443	мс	TAB NO	63	ATLAS PHOTO NO	63 PO	SEQUENCE NO 775
	22 MIN 37 3EC 003	713					
TRAJECTORY DATA			SEC TO IMPACT 171.137	ALT 391.04199	LAT LON 9 -8.400 -25.397	R V 2126.497 2.4	PTH AZ 08 -67.322 115.595
PHOTO DATA				A•	B/A AZPHAZ INCO	PHAZ EMIS ALPH	A SCALE PT-PT
PT LAT LON 2 -11.271 -19.241	RANGE AZS/C 451.08403 -58.3	AZN 10.7	AZSUN AZA -81.1 31.7	9.05959	0.835 -88.2 69.0	38.3 33.4 29.	8 0. 1-2
3 -10.703 -20.036	436.18812 -59.9	9.6	~80.0 31.3	8.74619	0.873 -85.5 68.1	40.7 29.3 26.	
4 -10.616 -18.666 5 -11.884 -13.370	455.96703 -64.4 469.28836 -56.9	10.8	-79.8 29.8 -82.3 32.2	9.14030 9.40989	0.824 -85.0 69.5 0.793 -91.1 69.9	36.1 34.6 32. 36.0 37.6 32.	
6 -11.917 -19.801	448.18748 -51.8	10.5	-82.2 . 33.7	8.98437	0.843 -91.0 .68.5	40.6 32.7 26.	4 42 40772 5- 6
7 -10.703 -20.036	436.18812 -59.9	9.6	-80.0 31.3	8.74619	0.873 -85.5 68.1	40.7 29.3 26.	9 37.43903 6- 7
			TAB NO	64	ATLAS PHOTO NO	64 POI	SEQUENCE NO 779
JULY 31,1964 13 HR	23 MIN 1 SEC 22	MS					
TRAJECTORY DATA			SEC TO IMPACT 167.777	ALT	LAT LGN	2119.028 2.4	PTH AZ 12 -67.271 115.583
PHOTO DATA	DANGS 43545		43.50bi 43.4	A•	B/A AZPHAZ INCO	PHAZ EMIS ALPH	A SCALE PT-PT
PT LAT LON 2 -11.261 -19.261	RANGE AZS/C 442.64019 -58.3	AZN 10.7	AZSUN AZA -81.1 31.7	e.890C1	8/A AZPHAI INCC 0.835 -88.2 68.9	38.3 33.4 29.	8 0. 1-2
3 -10.703 -20.041	428.02923 -59.9	9.6	-80.0 31.3	8.58259	0.873 -85.5 68.1	40.7 29.3 26.	
4 -10.618 -18.697 5 -11.863 -18.407	447.42473 -64.3.	10.0	79.8 29.8 -82.3 32.2	8.96906 9.23334	0.794 -91.1 69.8	36.1 34.6 32. 3 36.0 37.6 32.	
6 -11.895 -19.810	439.79612 -51.8	10.5	-82.2 33.7	8.81616	0.843 -91.0 68.5	40.6 32.7 26.	4 41.60385 5- 6
7 -10.703 -20.041	428.02923 -59.9	9.6	-80.0 31.3	8.58259	0.873 -85.5 68.1	1 40.7 29.3 26.	
			TAB NO	65	ATLAS PHOTO NO	65 PO	D SEQUENCE NO 787
JULY 31,1964 13 HR	23 PIN 7 SEC 742	MS					
TRAJECTORY DATA			SEC TO IMPACT		LAT LCN	R	
PHOTO DATA			161.057	368.61078	8 -8.510 -25.165	2104.000 2.4	18 -67.166 115.558
PT LAT LON	RANGE AZS/C	AZN	AZSUN AZA	A =	8/A AZPHAZ INCO	PHAZ EMIS ALPH	A SCALE PT-PT
2 -11.241 -19.301 3 -10.705 -20.052	425.71046 -58.3 411.67027 -59.9	10.7	-81.1 31.7 -80.0 31.3	8.25457	0.835 -88.2 68.5 0.873 -85.5 68.1	9 38.3 33.4 29. 1 40.7 29.3 26.	7 0. 1-2 9 27.59177 2-3
4 -10.622 -18.759	430.29851 -64.3	10.8	-79.8 29.9	8.62576	0.825 -85.0 69.4	4 36.1 34.5 32.	8 38.55705 3-4
5 -11.819 -18.481 6 -11.851 -19.830	442.83197 -56.9 422.97182 -51.9	11.8	-82.3 32.2 -82.2 33.6	8.87940 8.47891		7 36.0 37.5  32. 4 40.6 32.6  26.	
6 -11.851 -19.830 7 -10.705 -20.052	422.97182 -51.9 411.67027 -59.9	10.4 9.7	-82.2 33.6 -80.0 31.3	8.25457		1 40.7 29.3 26.	
-			TAB NO	66	ATLAS PHOTO NO	66 PO	D SEQUENCE NO 793
JULY 31,1964 13 HR	23 MIN 12 SEC 782	2 MS	IAB NO	00	AILAS PROTO NO		D 02Q02.102 110 110
TRAJECTORY DATA			SEC TO IMPACT	ALT	LAT LON	R	PTH AZ
PHOTO DATA			156.018		8 -8.566 -25.047	2092.824 2.4	24 -67.087 115.538
PT LAT LON	RANGE AZS/C	AZN			B/A AZPHAZ INC	D PHAZ EMIS ALPI	A SCALE PT-PT
2 -11.225 -19.333	412.97379 -58.3	10.7	-81.0 31.7	8.29418 8.00778	0.835 -88.2 68.9	9 38.3 33.3 29 1 40.7 29.3 26	.7 0. 1-2
3 -10.706 -20.060 4 -10.626 -18.807	399.36265 -59.9	10.8	-80.0 31.3 -79.8 29.9			3 36.1 34.5 32	.7 37.39427 3-4
4 -10.050 -10.001	417.41463 -64.3	10.0					
5 -11.787 -18.537	429.55411 -56.9	11.8	-82.3 32.2	8.61316	0.795 -91.1 69.	7 36.0 37.5 32	
			-82.3 32.2 -82.2 33.6	8.61316	0.795 -91.1 69. 0.844 -91.0 68.	7 36.0 37.5 32	4 38.78238 5- 6

	RA-VII CAMERA	P4	12
JULY 31,1964 13 HK 23 MIN 16 SEC 142 MS	TAB NO	67 ATLAS PHOTO NO	67 POD SEQUENCE NO 797
TRAJECTORY DATA	555 TO 140167		
	SEC TO IMPACT 152.658	ALT LAT LEN 349.86511 -8.603 -24.967	R V PTH AZ 2085-320 2-427 -67-034 115-525
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZ SUN AZA	A. B/A AZPHAZ INCD	
2 -11.215 -19.354 404.46634 -58.3 10.7 3 -10.706 -20.066 391.14108 -59.9 9.7	-81.0 31.7	8.12332 0.836 -88.2 68.8	38.3 33.3 29.7 0. 1-2
4 -10.628 -18.839 408.80823 -64.2 10.8	-79.8 29.9	8.19497 0.826 ~85.0 69.3	40.7 29.3 26.9 26.20798 2- 3 36.1 34.5 32.7 36.61758 3- 4
5 -11.765 -18.575 420.68662 -56.9 11.7 6 -11.795 -19.856 401.86139 -52.0 10.4		8.43535 0.796 -91.1 69.7	36.0 37.4 32.3 35.32009 4-5 40.6 32.6 26.4 37.97392 5-6
7 -10.706 -20.066 391.14108 -59.9 9.7	-80.0 31.3	7.84293 0.873 -85.5 68.1	40.7 29.3 26.9 33.55821 6- 7
JULY 31,1964 13 HR 23 MIN 21 SEC 181 MS	TAB NO	68 ATLAS PHOTO NO	68 POD SEQUENCE NO 803
TRAJECTORY DATA	SEC TO IMPACT	ALT LON	R V PTH AZ
PHOTO DATA	147.618	338.59421 -8.660 -24.847	2074.049 2.432 -66.953 115.505
PT LAT LON RANGE AZS/C AZN		A+ B/A AZPHAZ INCD	PHAZ EMIS ALPHA SCALE PT-PT
2 ~11.200 ~19.385 391.67744 ~58.2 10.6 3 ~10.707 ~20.075 378.78140 ~59.9 9.7		7.86647 0.836 -88.2 68.8 7.59510 0.873 -85.5 68.1	38.3 33.3 29.6 0. 1-2 40.7 29.3 26.8 25.37549 2-3 36.1 34.4 32.7 35.45029 3-4
4 -10.631 -18.887 395.87057 -64.2 10.8	-79.8 30.0	. 7.93563 0.82685.0 . 69.2	36.1 34.4 32.7 35.45029 3- 4
5 -11.732 -18.632 407.35817 -56.9 11.7 6 -11.761 -19.872 389.15458 -52.0 10.4	-82.3 32.2 -82.2 33.5	8.16810 0.796 -91.1 69.6 7.80102 0.844 -91.0 68.4	36.0 37.4 32.3 34.19675 4- 5 40.6 32.6 26.4 36.75918 5- 6
7 -10.707 -20.075 378.78140 -59.9 9.7	-80.0 31.3		40.7 29.3 26.8 32.49476 6- 7
	TAB NO	69 ATLAS PHOTO NO	69 POD SEQUENCE NO 805
JULY 31+1964 13 HR 23 MIN 22.SEC 861 MS			
TRAJECTORY DATA	SEC TO IMPACT 145.938	ALT LAT LCN 334.8335C -8.679 -24.807	R V PTH AZ 2070.289 2.434 -66.926 115.499
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A+ B/A AZPHAZ INCD	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.195 -19.396 387.40699 -58.2 10.6	-81.0 .31.8	7.78070 0.836 -88.2 68.8	38.3 33.3 29.6 0. 1-2
3 -10.708 -20.079 374.65422 -59.9 9.7 4 -10.632 -18.903 391.55062 -64.2 10.8		7.51235 0.873 -85.5 68.1 7.84903 0.826 -85.0 69.2	40.7 29.3 26.8 25.09746 2- 3 36.1 34.4 32.7 35.06062 3- 4
5 -11.721 -18.652 402.90791 -56.9 11.7	-82.3 32.2	8.07887 0.796 -91.1 69.6	36.0 37.3 32.2 33.82176 4- 5
6 -11.750 -19.877 384.91154 -52.0 10.4 7 -10.708 -20.079 374.65422 -59.9 9.7		7.71596 0.844 -91.0 68.4 7.51235 0.873 -85.5 68.1	40.6 32.6 26.4 36.35372 5- 6 40.7 29.3 26.8 32.13962 6- 7
	TAB NO	70 ATLAS PHOTO NO	70 POD SEQUENCE NO 807
JULY 31,1964 13 HR 23 MIN 24 SEC 541 MS		ALDIO THOTO NO	TOD SEQUENCE NO GOT
TRAJECTORY DATA	SEC TO IMPACT 144.258	ALT LAT LCN 331.07043 -8.698 -24.766	R V PTH AZ 2066-526 2.436 -66.899 115.492
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZ SUN AZ A	A+ B/A AZPHAZ INCD	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.190 -19.407 383.13224 -58.2 10.6	-81.0 31.8	7.69465 0.836 -88.2 68.8	38.3 33.3 29.6 0. 1-2
3 -10.708 -20.082 370.52285 -59.9 9.7 4 -10.634 -18.920 387.22637 -64.2 10.8	-79.9 31.3 -79.8 30.0		40.7 29.3 26.8 24.81933 2-3 36.1 34.4 32.6 34.67061 3-4
5 -11.710 -18.671 398.45330 -56.9 11.7	-82.3 32.2	7.98955 0.797 -91.1 69.6	36.0 37.3 32.2 33.44637 4- 5
6 -11.739 -19.883 380.66423 -52.0 10.4 7 -10.708 -20.082 370.52285 -59.9 9.7	-82.2 33.5 -79.9 31.3	7.63082 0.844 -91.0 68.4 7.42951 0.873 -85.5 68.1	40.6 32.5 26.4 35.94797 5-6 40.7 29.3 26.8 31.78425 6-7
	TAB NO	71 ATLAS PHOTO NO	71 POD SEQUENCE NO 809
JULY 31,1964 13 HR 23 MIN 26 SEC 221 MS		- MILAS FROID NO	. FOR SEQUENCE NO 809
TRAJECTORY DATA  PHOTO DATA	SEC TO IMPACT 142.578	ALT LAT LCN 327.30569 -8.718 -24.725	R V PTH AZ 2062-761 2-438 -66-872 115-485
PT LAT LCN RANGE AZS/C AZN			PHAZ EMIS ALPHA SCALE PT-PT
2 -11.185 -19.418 378.85394 -58.2 10.6 3 -10.708 -20.085 366.38800 -59.8 9.7			38.3 33.3 29.6 0. 1-2
4 -10.635 -18.936 382.89863 -64.2 10.8	-79.7 30.0	7.67560 0.826 -85.0 69.2	40.7 29.3 26.8 24.54079 2- 3 36.1 34.4 32.6 34.28032 3- 4
5 -11.699 -18.690 393.99516 -56.9 11.7 6 -11.728 -19.888 376.41341 -52.0 10.4	-82.3 32.2 -82.2 33.5		36.0 37.3 32.2 33.07066 4-5
7 -10.708 -20.085 366.38800 -59.8 9.7		7.34660 0.873 -85.5 68.1	40.6 32.5 26.4 35.54194 5- 6 40.7 29.3 26.8 31.42848 6- 7
JULY 31,1964 13 HR 23 MIN 27 SEC 901 MS	TAB NO	72 ATLAS PHOTO NO	72 POD SEQUENCE NO 811
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN	R V PTH AZ
PHOTO DATA	140.899	323.53867 -8.737 -24.684	2058.994 2.439 -66.844 115.478
PT LAT LON RANGE AZSZC AZN	AZSUN AZA	A. U/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
2 -11.180 -19.429 374.57140 -58.2 10.6 3 -10.709 -20.089 362.24902 -59.8 9.7	-81.0 31.8	7.52291 0.836 -88.2 68.8	38.3 33.2 29.6 0. 1- 2
4 -10.636 -18.952 378.56667 -64.2 10.8	-79.9 31.4 -79.7 30.0		40.7 29.3 26.8 24.26216 2- 3
5 -11.688 -18.709 389.53278 -56.9 11.7	-82.2 32.2	7.81068 C.797 -91.1 69.5	36.0 37.3 32.2 32.69476 4- 5
6 -11.716 -19.894 372.15837 -52.0 10.4 7 -10.709 -20.089 362.24902 -59.8 9.7	-82.2 33.5 -79.9 31.4	7.46032 0.845 -91.0 68.4 7.26360 C.873 -85.5 68.1	40.6 32.5 26.4 35.13559 5- 6 40.7 29.3 26.8 31.07248 6- 7

	RA-YII CAMERA	P4	13.
	TAB NO	73 ATLAS PHOTO NO 73 POD SEQUENC	CE NO 813
JULY 31,1964 13 HR 23 MIN 29 SEC 581 MS			
TRAJECTORY DATA	SEC TO IMPACT 139.219	ALT LAT LON R V PTH 319.76990 -8.756 -24.643 2055.225 2.441 -66.81	_AZ 7 115.472
PHOTO DATA  PT LAT LON RANGE AZS/C AZN  1 115 10 440 370 38423 589 7 104			
PT LAT LGN RANGE AZS/C AZN 2 -11.175 -19.440 370.28423 -58.2 10.6	AZSUN AZA -81.0 31.8	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCAI	1- 2
3 -10.709 -20.092 358.10572 -59.8 9.7	-79.9 31.4 -79.7 30.1	7.18053 0.873 -85.5 68.1 40.7 29.3 26.8 23.9	306 2- 3
4 -10.637 -18.969 374.23021 -64.1 10.8		7 50102 0 027 -85.0 69.2 36.1 34.4 32.6 32.4	9874 3- 4 1829 4- 5
5 -11.677 -18.729 385.06558 -56.9 11.7	-82.2 32.2	7.72110 0.797 -91.1 69.5 36.0 37.3 32.2 32.3 7.37493 0.845 -91.0 68.4 40.6 32.5 26.4 34.7	2885 5-6
6 -11.705 -19.899 367.89870 -52.0 10.4 7 -10.709 -20.092 358.10572 -59.8 9.7	-82.2 33.5 -79.9 31.4	7.37493 0.845 -91.0 68.4 40.6 32.5 26.4 34.7 7.18053 0.873 -85.5 68.1 40.7 29.3 26.8 30.7	594 6- 7
1 -101101 201012 330110312 3310 311			YE NO 815
JULY 31,1964 13 HR 23 MIN 31 SEC 261 MS	TAB NO	74 ATLAS PHOTO NO 74 POD SEQUEN	)L 110 DIS
		O N DIN	
	137.539	ALT LAT LON R V PTH 315.99921 -8.776 -24.602 2051.454 2.443 -66.7	89 115.465
PHOTO DATA	A7 C I IN A7 A	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCA	LE PT-PT
PT LAT LON RANGE AZS/C AZN 2 -11.169 -19.451 365.99216 -58.2 10.6	-81.0 31.8	7.35060 0.837 -88.1 68.7 38.3 33.2 29.6 0.	1- 2 0366 2- 3
3 -10.709 -20.090 333.73701 -37.00 7.07	-1767 3147	7.09735 0.873 -85.5 68.1 40.7 29.3 26.8 23.7	0366 2- 3
4 -10.638 -18.986 369.88891 -64.1 10.8	-79.7 30.1		073C 3-4 4137 4-5
5 -11.666 -18.749 380.59322 -56.9 11.7	-82.2 32.2 -82.2 33.4	7 2904 0 945 -91 0 44 3 40 6 32 5 26-4 34-3	2166 5- 6
6 -11.694 -19.905 363.63407 -52.1 10.4 7 -10.709 -20.096 353.95781 -59.8 9.7	-79.9 31.4	7.09735 0.873 -85.5 68.1 40.7 29.3 26.8 30.3	5902 6- 7
7 -101107 20070 333473701 3700 777			CF NO 817
JULY 31,1964 13 HR 23 MIN 32.SEC. 941 MS	TAB NO	75 ATLAS PHOTO NO 75 POD SEQUEN	
		ALT LAT LON R V PTH	<b>≜</b> 7
TRAJECTORY DATA	SEC TO IMPACT 135.859	ALT LAT LON R V PTH 312.22643 -8.795 -24.561 2047.682 2.445 -66.7	62 115.458
PHOTO DATA	AZSUN AZA	A. B/A AZPHAZ INCD PHAZ EMIS ALPHA SCA	LE PT-PT
PT LAT LEN RANGE AZS/C AZN 2 -11.164 -19.462 361.69611 -58.2 10.6	AZSUN AZA -81.0 31.8	7.26432 0.837 -88.1 68.7 38.3 33.2 29.6 0.	1- 2
3 -10.709 -20.099 349.80598 -59.8 9.7	-79.9 31.4	7 01410 0.873 -85.5 68.1 40.7 29.3 26.8 23.4	2398 2-3
4 -10.639 -19.002 365.54366 -64.1 10.8	-79.7 30.1	7.32771 0.827 -85.0 69.1 36.1 34.3 32.6 32.7	1555 3- 4 6404 4- 5
5 -11.655 -18.768 376.11687 -57.0 11.7		7.54167 0.798 -91.1 69.5 36.0 37.2 32.1 31.5	6404 4- 5 1418 5- 6
6 -11.682 -19.911 359.36548 -52.1 10.4 7 -10.709 -20.099 349.80598 -59.8 9.7	-82.2 33.4 -79.9 31.4	7.20387 0.845 -91.0 68.3 40.6 32.5 26.4 33.9 7.01410 0.873 -85.5 68.1 40.7 29.3 26.8 30.0	0170 6- 7
7 -10.709 -20.079 347.80378 -37.0 7.1			_
JULY 31,1964 13 HR 23 MIN 34 SEC 620 MS	TAB NO	76 ATLAS PHOTO NO 76 POD SEQUEN	CE NO BIS
		ALT LAT LEN R V PTH	AZ
TRAJECTORY DATA	SEC TO IMPACT 134.179	ALT LAT LCN R V PTF 308.45154 -8.815 -24.519 2043.907 2.447 -66.1	
PHOTO DATA	AZSUN AZA	A. DIA AZDHAZ INCO DHAZ ENIS ALDHA SCI	LE PT-PT
PHOTO DATA PT LAT LON RANGE AZS/C AZM 2 -11.159 -19.474 357.39598 -58.2 10.6 3 -10.709 -20.103 345.65020 -59.8 9.7		7 17704 0 427 -84 1 48 7 28 3 33 2 29 6 0-	1- 2
3 -10-709 -20-103 345-65020 -59-8 9-7		6.93077 0.874 -85.5 68.1 40.7 29.3 26.8 23.1	4402 2- 3 2353 3- 4
4 -10.034 -14.014 301.19441 -04.1 10.0		7.24052 C.827 -85.0 69.1 36.1 34.3 32.5 32.	12353 3-4 18650 4-5
5 -11.644 -18.788 371.63652 -57.0 11.7		7.45183 0.796 -91.1 69.4 36.0 37.2 32.1 31.1	18650 4- 5 10642 5- 6
6 -11.671 -19.917 .355.0929052.1 10.4 7 -10.709 -20.103 345.65020 -59.8 9.7	-79.9 31.4	7.11823 0.845 -91.0 68.3 40.6 32.5 26.4 33.5 6.93077 0.874 -85.5 68.1 40.7 29.3 26.8 29.6	4416 6- 7
7 -10.709 -20.103 343.03020 -37.0 7.1			OF NO 921
HILV 21 1047 13 HB 23 BTL 34 FFC 200 HF	TAB NO	77 ATLAS PHOTO NO 77 POD SEQUEN	ICE NO 821
JULY 31,1964 13 HR 23 MIN 36 SEC 300 MS			
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PTI 3C4-67471 -8-834 -24-478 2040-130 2-448 -66-	4 AZ 706 115.444
PHOTO DATA			
PT LAT LON RANGE AZS/C AZP	AZSUN AZA		· · · · ·
2 -11.153 -19.485 353.09203 -58.2 10.6 3 -10.709 -20.107 341.49065 -59.8 9.7		7.09152 0.837 -88.1 68.7 38.3 33.2 29.6 0. 6.84737 0.874 -85.5 68.1 40.7 29.3 26.8 22.	86386 2-3
4 -10.640 -19.036 356.84134 -64.1 10.6	-79.7 30.1	7.15326 0.827 -85.0 69.1 36.1 34.3 32.5 31.	93121 3- 4
5 -11.632 -18.808 367.15234 -57.0 11.	-82.2 32.2	7.36192 0.798 -91.1 69.4 36.0 37.2 32.1 30.	80877 4-5
6 -11.659 -19.923 350.81649 -52.1 10.4	-82.2 33.4	7.03250 0.845 -91.0 68.3 40.6 32.5 26.4 33. 6.84737 0.874 -85.5 68.1 40.7 29.3 26.8 29.	09837 <b>5-</b> 6 28631 <b>6- 7</b>
7 -10.709 -20.107 341.49065 -59.8 9.	7 -79.9 31.4		
JULY 31,1964 13 HR 23 MIN 37 SEC 980 MS	TAB NO	78 ATLAS PHOTO NO 78 POD SEQUE	NCE NO 823
TRAJECTORY DATA	SEC TO IPPACT 130.819		H AZ 679 115.437
PHOTO DATA	. 476115 474	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SC	ALE PT-PT
PT LAT LON RANGE AZS/C AZI	N AZSUN AZA	7.00500 0.837 -88.1 68.7 38.3 33.2 29.5 0.	1- 2
2 -11.148 -19.496 348.78427 -58.2 10. 3 -10.709 -20.110 337.32738 -59.8 9.			58355 2- 3
		6.76389 0.874 -85.5 68.1 40.7 29.3 26.8 22.	70337 2-3
4 - 10 - 64 1 - 19 - 053 352 - 48448 - 64 - 1 10 - 3	-79.7 30.1	7.06593 0.827 -85.0 69.1 36.1 34.3 32.5 31.	53860 3- 4
4 -10.641 -19.053 352.48448 -64.1 10.5 5 -11.621 -18.827 362.66439 -57.0 11.5	3 -79.7 30.1 5 -82.2 32.2	7.06593 0.827 -85.0 69.1 36.1 34.3 32.5 31. 7.27193 0.798 -91.1 69.4 36.0 37.1 32.1 30.	53860 3- 4 43063 4- 5 69007 5- 6
4 -10.641 -19.053 352.48448 -64.1 10.5	-79.7 30.1	7.06593 0.827 -85.0 69.1 36.1 34.3 32.5 31. 7.27193 0.798 -91.1 69.4 36.0 37.1 32.1 30.	53860 3- 4 43063 4- 5 69007 5- 6 92805 6- 7

					RA-VII	CAMERA	P4						.14
JULY 31,1964	. 13 60	22 MIN 20	SEC 440	Mc		TAB NO	79	ATLAS	РНОТО НО	79	POD S	SEQUENCE NO	825 -
TRAJECTORY		23 MIN 39	320 000		556 70	LWOACT	AL T						
								4 -8.87	4 -24.394	2032.57	0 2.452	PTH AZ	430
PHOTO DATA PT LAT 2 -11.142 - 3 -10.709 - 4 -10.642 - 5 -11.610 - 6 -11.636 -	LON	RANGE	AZS/C	AZN	AZ SUN	Α7 Δ	Δ.	B/A A	204A7 TNC	PHAZ EMIS 7 38.3 33.2 1 40.7 29.3	AL DUA	SCALE PT	
2 -11.142 -	-19.508	344.47228	-58.2	10.6	-81.0	31.8	6.91840	0.837	-88.1 68.7	7 38.3 33.2	29.5	0. I	l- 2
3 -10.709 -	-20.114	333.15998	-59.8	9.7	-79.9	31.4	6.68033	0.874	-85.5 68.1	40.7 29.3	26.8	0. 1 22.30289 2	2-3
5 -11-610 -	-19.070	348 . 12346	-64.L	10.8	-79.7	30.1	6.97851	0.828	-85.0 69.1	1 36.1 34.3	32.5	31-14566 3	3- 4
6 -11.636 -	-19,935	342 25192	-52.1	10.3	-82.2	33.4	6-86082	0.799	-91.1 69.4 -91.0 68:3	36.0 37.1 3.40.6 32.5	32.1	30.05220 4 32.28147 5	1- 5 1- 6
	-20-114			9.7	-79.9			0.874	-d5.5 68.1	40.7 29.3	26.8	28.56957 6	
JULY 31,1964		22 444 71	555 240	wc		TAB NO	80	ATLAS	РНОТО НО	80	POD S	SEQUENCE NO	827
PHOTO DATA	DATA				SEC TO 127.	IMPALT 459	293.33226	LAT 0 -8.89	LCN_ 3 -24.352	2028.78	7 2.454	PTH AZ	423
PHOTO DATA PT LAT 2 -11.137 - 3 -10.709 - 4 -10.643 -	LON	RANGE	A75/C	A 7 N	A 7 C LIN	A7 A		0.74	70047 7466				
2 -11-137 -	-19.519	340.15668	+58.2	10.6	~81.0	31.8	6.83172	0/A A	ZPHAZ INCI	7 20 2 22 2	ALPHA	SCALE PT 0. 1	T-PT
3 -10.709 -	20.118	328.98903	-59.8	9.7	-79.9	31.4	6.59670	0.874	-85.5 68.0	40.7 29.3	26.8	22.02209 2	2- 3
4 -10.643 -	19.087.	343.75882	-64.1	10.8	79.7	30.2	6.891C1	0.828	-85.0 69.1	36.1 34.3	32.5	30.75246 3	
							7.09171	0.799	-91.1 69.4	36.0 37.1 40.6 32.4	32.0	29.67356 4 31.87263 5	- 5
6 -11.624 - 7 -10.709 -	-19.941	337.96397 328.98903	52.1.	10.3	-82.2	33.4	6.77486	0.845	-91.0 68.3	40.6 32.4	26.3	31.87263 5	6 -
1 -10-109 -	-20.110	328.98903	-54.8	9.7	-19.9	31.4	6.59670	C.874	-85.5 68.0	40.7 29.3	26.8	28.21077 6	
JULY 31,1964	13 HR	23. MIN_43	SEC. 20	2M		TAB NO	81	ATLAS	PHOTO NO	81	POD S	SEQUENCE NO	829
TRAJECTORY										_			
					125.	779	289.5472	6 -8.91	3 -24.309	2025 <b>.</b> 00	. V 3 2.456	PTH AZ -66.594 115.	416
PT LAT	1.00	RANGE	A25/C	A 7 N	AZ SEIN	- A7 A		D/4 A	70047 1000		** ***		
2 -11.131 -	19.531	335.83691	-58.2	10.6	-81-0	31_8	6.74496	0/A A	ZPHAZ INCL -88.1 AB 7	1 30 3 33 1	ALPHA	SCALE PT	-PT - 2
3 -10.709 -	20.122	324.81400	-59.8	9.7	-79.9	31.4	6.51298	0.874	-85.5 68.0	40.7 29.3	26.8	0. 1 21.74103 2	- 3
4 -10.643 -	19.104	339.39007	-64.0	10.8	-79.7	30.2	6.80344	0.828	-85.0 69.0	36.1 34.3	32.5	30.35895 3	
5 -11.587 -	18.887	349.17659	-57.0	11.6	-82.2	32.1	7.00148	0.799	-91.1 69.3	36.0 37.1	32.0	29.29442 4	- 5
7 -10-709 -	20.122	324.81400	-52 -1	9.7	-82.2	33.4	6.68883	0.845	-91.0 68.3	40.6 32.4	26.3	31.46349 5	
,	20.122	324.01400	- 27.0	7.1	-17.7	31.4				1 40.7 29.3	26.8	27-85157 6	- 7
PHOTO DATA PT LAT 2 -11.131 - 3 -10.709 - 4 -10.643 - 5 -11.587 - 6 -11.613 - 7 -10.709 -						TAB NO	82	ATLAS	PHUIU NU	82	PUD S	SEQUENCE NO	831
JULY 31,1964 TRAJECTORY	n 13 HR DATA	23 MIN 44	SEC 700	MS.	 SEC TO	IMPACT	. ALT	LAT	LON	82  R	V V	PTH A7	
JULY 31,1964 TRAJECTORY	n 13 HR DATA	23 MIN 44	SEC 700	MS.	 SEC TO	IMPACT	. ALT	LAT	LON	82  R	V V	PTH A7	
JULY 31,1964 TRAJECTORY	n 13 HR DATA	23 MIN 44	SEC 700	MS.	 SEC TO	IMPACT	. ALT	LAT	LON	82  R	V V	PTH A7	
JULY 31,1964 TRAJECTORY	n 13 HR DATA	23 MIN 44	SEC 700	MS.	 SEC TO	IMPACT	. ALT	LAT	LON	82  R	V V	PTH A7	
JULY 31,1964 TRAJECTORY	n 13 HR DATA	23 MIN 44	SEC 700	MS.	 SEC TO	IMPACT	. ALT	LAT	LON	82  R	V V	PTH A7	
JULY 31,1964 TRAJECTORY	n 13 HR DATA	23 MIN 44	SEC 700	MS.	 SEC TO	IMPACT	. ALT	LAT	LON	82  R	V V	PTH A7	
JULY 31,1964 TRAJECTORY PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 -	DATA  LCN 19.543 20.126 19.121 18.908	RANGE 331.51267 320.63464 335.01659 344.67207	AZS/C -58.2 -59.8 -64.0 -57.0	AZN 10.6 9.7 10.8 11.6	AZ SUN -81.0 -79.9 -79.7 -82.2	IMPACT 100 AZA 31.8 31.4 30.2 32.1	. ALT	LAT	LON	82  R	V V	PTH A7	
JULY 31,1964 TRAJECTORY PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 -	DATA  LCN 19.543 20.126 19.121 18.908	RANGE 331.51267 320.63464 335.01659 344.67207	AZS/C -58.2 -59.8 -64.0 -57.0	AZN 10.6 9.7 10.8 11.6	AZ SUN -81.0 -79.9 -79.7 -82.2	IMPACT 100 AZA 31.8 31.4 30.2 32.1	ALT 285.76C62 4.65811 6.42918 6.71577 6.91116	B/A A 0.837 0.874 0.828 0.799 0.845	LON 3 -24.267 ZPHAZ INCE -88.1 68.7 -85.5 68.0 -85.0 69.0 -91.1 68.2	R 2021.21 PHAZ EMIS 38.3 33.1 40.7 29.3 36.1 34.2 36.0 37.1 40.6 32.4	ALPHA 29.5 26.8 32.4 32.0 26.3	PTH AZ -66.566 115.  SCALE PT Q. 121.45955 2 29.96495 3 28.91521 4 31.05386 5	408 PT 2 3   4   5   6
JULY 31,1964 TRAJECTORY PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 -	DATA  LCN 19.543 20.126 19.121 18.908	23 MIN 44	AZS/C -58.2 -59.8 -64.0 -57.0	AZN 10.6 9.7 10.8 11.6	SEC TO 124. AZ SUN -81.0 -79.9 -79.7 -82.2 -82.2 -79.9	IMPACT 100 AZA 31.8 31.4 30.2 32.1 33.3 31.4	ALT 285.76C66 6.65811 6.42918 6.71577 6.91116 6.60270 6.42918	B/A A 0.837 0.674 0.828 0.799 0.845 0.874	LCN 3 -24.267 ZPHAZ INCE -88.1 68.7 -85.5 69.0 -91.1 69.3 -91.0 68.2 -85.5 68.0	R 2021.21 1 PHAZ EMIS 2 38.3 33.1 2 40.7 29.3 3 36.1 34.2 1 40.6 32.4 4 0.6 32.4 1 40.6 32.4	ALPHA 29.5 26.8 32.4 32.0 26.3 26.8	PTH AZ -66.566 115.  SCALE PT Q. 1 21.45955 2 29.96495 3 28.91521 4 31.05386 5 27.49208 6	408 -PT - 2 - 3 - 4 - 5 - 6
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 - 6 -11.601 - 7 -10.709 -  JULY 31,1964	LON 13 HR LON 120-126 19-121 18-908 19-954 20-126 13 HR	RANGE 331.51262 320.63464 335.01659 344.67253 329.37553 320.63464	A/S/C -98.2 -59.8 -64.0 -57.0 -52.1 -59.8	AZN 10.6 9.7 10.8 11.6 10.3	SEC TO 124. AZ SUN -81.0 -79.9 -79.7 -82.2 -82.2 -79.9	IMPACT 100 AZA 31.8 31.4 30.2 32.1	ALT 265.76C6; A* 6.65811 6.42918 6.71577 6.91116 6.60270 6.42918	B/A A 0.837 0.874 0.828 0.799 0.845 0.874 ATLAS	LON 3 -24.267  ZPHAZ INCE -88.1 68.7 -85.5 68.6 -65.0 69.6 -91.1 69.3 -91.0 68.2 -85.5 68.6  PHOTO NO	R 2021-21 1 PHAZ EMIS 3 8.3 33-1 1 40.7 29.3 3 36-1 34-2 3 36-0 37-1 1 40.6 32-4 4 40-7 29.3	ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 POD S	PTH AZ -66.566 115.  SCALE PT Q 121.45955 2 29.96495 3 28.91521 4 31.05386 5 27.49208 6 EQUENCE NO	408 -PT - 2 - 3 - 4 - 5 - 7
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JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 - 6 -11.601 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.20 - 3 -10.709 - 4 -10.645 - 5 -11.564 - 6 -11.599 - 6 -11.599	13 HR DATA  LON 19,543 20,126 19,121 18,908 19,954 20,126  13 HR DATA  LCN 19,554 20,130 19,139 18,928	23 MIN 44  RANGE 331.51262 320.63464 335.01659 344.67207 329.37553 320.63464 23 MIN 46  RANGE 327.18299 316.45013 330.63762	ALS/C -58.2 -59.8 -64.0 -57.0 -52.1 -59.8 SEC 380 AZS/C -58.2 -64.0 -57.0 -57.0	AZN 10.6 9.7 10.8 11.6 10.3 9.7 MS	SEC TO 124.  AZ SUN -81.0 -79.9 -79.7 -82.2 -82.2 -79.9  SEC TO 122.  AZ SUN -81.0 -79.9 -79.7 -82.2 -82.2 -79.9 -79.7 -82.2 -79.9 -79.7 -82.2 -79.9 -79.7 -82.2 -	AZA 31.8 31.4 30.2 32.1 33.3 31.4 TAB NO  IMPACT 420  AZA 31.8 31.9 31.3 31.3	ALT 285.76C6;  A. c. 65811 c. 42918 c. 42918 c. 42918 c. 42918 c. 42918 83  ALT 281.9714;  A. 6. 57116 c. 34527 c. 6.2793 c. 6.82793	B/A A C.837 C.837 C.837 C.828 C.799 C.845 C.845 C.845 C.845 C.845 C.845 C.845 C.845 C.845 C.828	LON 3 -24.267 ZPHAZ INCE -88.1 68.7 85.5 68.6 85.0 69.6 85.0 69.6 PHOTO NO  LON 3 -24.224 ZPHAZ INCE -88.1 68.6 85.5 68.6 85.5 68.6	R 2021.21 PHAZ EMIS 38.3 33.1 40.7 29.3 36.1 34.2 40.7 29.3 83 R 2017.42 PHAZ EMIS 38.3 33.1 40.7 29.3 83 R 2017.42	ALPHA 29.5 26.8 POD S  V 7 2.459  ALPHA 29.5 26.8 POD S	PTH AZ -66.566 115.  SCALE PT Q. 121.45955 2 29.96495 3 28.91521 4 31.05386 5 27.49208 6 EQUENCE NO  PTH AZ -66.538 115.  SCALE PT Q. 17786 2 29.57038 3 28.53553 4	408
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 - 6 -11.601 - 7 -10.709 -  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 4 -10.645 - 5 -11.564 - 6 -11.59 - 6 -11.599 - 6	13 HR DATA  LON 19:543 20:126 19:121 18:908 19:954 20:126  13 HR DATA  LCN 19:554 20:139 18:928	23 MIN 44  RANGE 331.51267 320.63464 335.01659 344.67207 329.27553 320.63464 23 MIN 46  RANGE 227.18299 316.45013	ALS/C -58.2 -59.8 -64.0 -57.0 -52.1 -59.8 SEC 380 AZS/C -58.2 -64.0 -57.0 -57.0	AZN 10.6 9.7 10.8 11.6 10.3 9.7 MS	AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9 -79.7 -82.2 -79.9 -79.7 -79.7 -79.9 -79.7 -79.9 -79.7 -79.9 -79.9 -79.7	AZA 31.8 31.4 30.2 32.1 33.3 31.4 TAB NO  IMPACT 420  AZA 31.8 31.9 31.3 31.3	ALT 285.76C6;  A. c. 65811 c. 42918 c. 42918 c. 42918 c. 42918 c. 42918 83  ALT 281.9714;  A. 6. 57116 c. 34527 c. 6.2793 c. 6.82793	B/A A C.837 C.837 C.837 C.828 C.799 C.845 C.845 C.845 C.845 C.845 C.845 C.845 C.845 C.845 C.828	LON 3 -24.267 ZPHAZ INCE -88.1 68.7 85.5 68.6 85.0 69.6 85.0 69.6 PHOTO NO  LON 3 -24.224 ZPHAZ INCE -88.1 68.6 85.5 68.6 85.5 68.6	R 2021.21 PHAZ EMIS 38.3 33.1 40.7 29.3 36.1 34.2 40.7 29.3 83 R 2017.42 PHAZ EMIS 38.3 33.1 40.7 29.3 83 R 2017.42	ALPHA 29.5 26.8 POD S  V 7 2.459  ALPHA 29.5 26.8 POD S	PTH AZ -66.566 115.  SCALE PT Q. 121.45955 2 29.36495 1 328.91521 4 31.05386 5 27.49208 6 EQUENCE NO  PTH AZ -66.538 115.  SCALE PT Q. 11.17786 2 29.57038 3 28.53553 4 30.64370 5	408
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 - 6 -11.601 - 7 -10.709 -   JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 4 -10.645 - 5 -11.589 - 7 -10.709 - 6 -11.589 - 7 -10.709 -	13 HR DATA  LON 19.543 20.126 19.121 18.908 19.954 20.126  13 HR DATA  LON 19.554 20.130 19.130 19.130 19.130	23 MIN 44  RANGE 31.51267 320.63464 335.01659 344.67207 329.37553 320.63464 23 MIN 46  RANGE 327.18299 316.45013 330.63762 340.16215 325.07408 316.45013	AZS/C -58.2 -59.8 -64.0 -57.0 -52.1 -59.8 SEC 380 AZS/C -58.2 -59.8 -64.0 -58.2 -59.8 -64.0 -59.8	AZN 10.6 9.7 10.8 11.6 10.3 9.7 MS	SEC TO 124.  AZ SUN -81.0 -79.9 -79.7 -62.2 -82.2 -79.9   SEC TO 122.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.7 -82.2 -79.9	AZA 31.8 31.4 30.2 32.1 33.3 31.4 TAB NO  IMPACT 420  AZA 31.8 31.9 31.3 31.3	ALT 285.76C6;  A. c. 65811 c. 42918 c. 42918 c. 42918 c. 42918 c. 42918 83  ALT 281.9714;  A. 6. 57116 c. 34527 c. 6.2793 c. 6.82793	LAT 2 -8.93:  B/A A C.837 C.837 C.837 C.874 O.828 C.799 G.845 O.874 ATLAS  B/A A 0.838 0.874 0.838 0.874 0.838 0.874	LON 3 -24.267 ZPHAZ INCE -88.1 68.7 85.5 68.6 85.0 69.6 85.0 69.6 PHOTO NO  LON 3 -24.224 ZPHAZ INCE -88.1 68.6 85.5 68.6 85.5 68.6	R 2021.21.  1 PHAZ EMIS 3 33.1 2 40.7 29.3 3 6.1 34.2 3 6.0 37.1 2 40.6 32.4 4 0.7 29.3  83  R 2017.42 1 PHAZ EMIS 3 8.3 33.1 40.7 29.3 36.0 37.0 3 6.0 37.0 40.6 32.4 4 0.7 29.3	AL PHA 29.5 26.8 32.4 32.0 26.3 26.8 POD S AL PHA 29.5 26.8 32.4 32.0 26.3 26.8	PTH AZ -66.566 115.  SCALE PT 0. 21.45955 2 29.86495 3 28.91521 4 31.05386 5 27.49208 6 EQUENCE NO  PTH AZ -66.538 115.  SCALE PT 0. 11.17786 2 29.577038 3 28.53553 4 30.64370 5 27.13230 6	408 -PT - 2 - 3 - 4 - 5 - 7 - 833 -401 -PT - 2 - 3 - 4 - 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7
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JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 - 6 -11.601 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.115 - 3 -10.709 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	13 HR  LON 19.543 20.126 19.121 18.908 19.954 20.126 13 HR  DATA  LCN 19.554 20.130 13.HR  DATA  LCN 19.139 18.928 19.960 20.130	23 MIN 44  RANGE 331.51262 320.63464 335.0165 344.67207 329.37553 320.63464 23 MIN 46  RANGE 327.18299 316.45013 330.63762 340.16215 340.16215 340.16215 340.16215 340.16216 340.16216 340.16216 340.16216 340.16216 340.16216	AZS/C -58.2 -59.8 -64.0 -57.0 -52.1 -59.8 SEC 380 AZS/C -58.2 -59.8 -64.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0	AZN	SEC TO 124.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9  SEC TO 122.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9  SEC TO 120.  AZ SUN -81.0	IMPACT 100  AZA 31.8 31.4 30.2 1 32.1 33.3 31.4 420 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ALT 285-76C6: A-	LAT 2 -8.93:  B/A A C.837 C.837 C.874 C.828 C.799 C.845 C.874 C.828 C.874 C.838 C.874 C.828 C.874 C.828 C.874 ATLAS	LON 3 -24.267  ZPHAZ INCC -88.1 68.1 -85.5 68.0 -91.1 69.3 -91.0 68.2 -85.5 68.0  PHOTO NO  3 -24.224  ZPHAZ INCC -91.1 69.3 -91.0 68.3 -91.0 68.3 -91.0 68.3 -91.0 68.3 -91.1 69.3 -91.1 69.3 -91.0 68.3	R 2021-21.  1 PHAZ EMIS 3 33.1 2 40.7 29.3 3 6.1 34.2 3 6.0 37.1 3 40.6 32.4 4 40.7 29.3 83  R 2017-42 9 PHAZ EMIS 9 36.0 37.0 40.6 32.4 40.7 29.3 84  R 2013-63.	ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 POD S  V 7 2.459 ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 42.4 32.0 26.3 26.8 ALPHA 29.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 42.5 42.5 42.5 42.5 42.5 42.5	PTH AZ -66.566 115.  SCALE PT Q. 121.45955 2 29.96495 3 28.91521 4 31.05386 5 27.49208 6 EQUENCE NO 6  PTH AZ -66.538 115.  SCALE PT Q. 121.17786 2 29.57038 3 28.53553 4 30.64370 5 27.13230 6 EQUENCE NO 6	408 -PT -2 -3 -5 -6 -7 -7 -8833
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 - 6 -11.601 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.115 - 3 -10.709 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	13 HR  LON 19.543 20.126 19.121 18.908 19.954 20.126 13 HR  DATA  LCN 19.554 20.130 13.HR  DATA  LCN 19.139 18.928 19.960 20.130	23 MIN 44  RANGE 331.51262 320.63464 335.0165 344.67207 329.37553 320.63464 23 MIN 46  RANGE 327.18299 316.45013 330.63762 340.16215 340.16215 340.16215 340.16215 340.16216 340.16216 340.16216 340.16216 340.16216 340.16216	AZS/C -58.2 -59.8 -64.0 -57.0 -52.1 -59.8 SEC 380 AZS/C -58.2 -59.8 -64.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0	AZN	SEC TO 124.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9  SEC TO 122.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9  SEC TO 120.  AZ SUN -81.0	IMPACT 100  AZA 31.8 31.4 30.2 1 32.1 33.3 31.4 420 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ALT 285-76C6: A-	LAT 2 -8.93:  B/A A C.837 C.837 C.874 C.828 C.799 C.845 C.874 C.828 C.874 C.838 C.874 C.828 C.874 C.828 C.874 ATLAS	LON 3 -24.267  ZPHAZ INCC -88.1 68.1 -85.5 68.0 -91.1 69.3 -91.0 68.2 -85.5 68.0  PHOTO NO  3 -24.224  ZPHAZ INCC -91.1 69.3 -91.0 68.3 -91.0 68.3 -91.0 68.3 -91.0 68.3 -91.1 69.3 -91.1 69.3 -91.0 68.3	R 2021-21.  1 PHAZ EMIS 3 33.1 2 40.7 29.3 3 6.1 34.2 3 6.0 37.1 3 40.6 32.4 4 40.7 29.3 83  R 2017-42 9 PHAZ EMIS 9 36.0 37.0 40.6 32.4 40.7 29.3 84  R 2013-63.	ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 POD S  V 7 2.459 ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 42.4 32.0 26.3 26.8 ALPHA 29.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 42.5 42.5 42.5 42.5 42.5 42.5	PTH AZ -66.566 115.  SCALE PT Q. 121.45955 2 29.96495 3 28.91521 4 31.05386 5 27.49208 6 EQUENCE NO  PTH AZ -66.538 115.  SCALE PT Q. 1 21.17786 2 29.57038 3 28.53553 4 30.64370 5 27.13230 6 EQUENCE NO  PTH AZ -66.509 115.  SCALE PT Q. 1 20.89589 2	408 -PT - 2 - 3 - 4 - 7 - 8833 7 - 8835 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 - 6 -11.601 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.115 - 3 -10.709 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	13 HR  LON 19.543 20.126 19.121 18.908 19.954 20.126 13 HR  DATA  LCN 19.554 20.130 13.HR  DATA  LCN 19.139 18.928 19.960 20.130	23 MIN 44  RANGE 331.51262 320.63464 335.0165 344.67207 329.37553 320.63464 23 MIN 46  RANGE 327.18299 316.45013 330.63762 340.16215 340.16215 340.16215 340.16215 340.16216 340.16216 340.16216 340.16216 340.16216 340.16216	AZS/C -58.2 -59.8 -64.0 -57.0 -52.1 -59.8 SEC 380 AZS/C -58.2 -59.8 -64.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0	AZN	SEC TO 124.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9  SEC TO 122.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9  SEC TO 120.  AZ SUN -81.0	IMPACT 100  AZA 31.8 31.4 30.2 1 32.1 33.3 31.4 420 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ALT 285-76C6: A-	LAT 2 -8.93:  B/A A C.837 C.837 C.874 C.828 C.799 C.845 C.874 C.828 C.874 C.838 C.874 C.828 C.874 C.828 C.874 ATLAS	LON 3 -24.267  ZPHAZ INCC -88.1 68.1 -85.5 68.0 -91.1 69.3 -91.0 68.2 -85.5 68.0  PHOTO NO  3 -24.224  ZPHAZ INCC -91.1 69.3 -91.0 68.3 -91.0 68.3 -91.0 68.3 -91.0 68.3 -91.1 69.3 -91.1 69.3 -91.0 68.3	R 2021-21.  1 PHAZ EMIS 3 33.1 2 40.7 29.3 3 6.1 34.2 3 6.0 37.1 3 40.6 32.4 4 40.7 29.3 83  R 2017-42 9 PHAZ EMIS 9 36.0 37.0 40.6 32.4 40.7 29.3 84  R 2013-63.	ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 POD S  V 7 2.459 ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 42.4 32.0 26.3 26.8 ALPHA 29.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 42.5 42.5 42.5 42.5 42.5 42.5	PTH AZ -66.566 115.  SCALE PT Q. 121.45955 2 29.96495 3 28.91521 4 31.05386 5 27.49208 6 EQUENCE NO  PTH AZ -66.538 115.  SCALE PT Q. 121.17786 2 29.57038 3 28.53553 4 30.64370 5 27.13230 6 EQUENCE NO  PTH AZ -66.509 115.	408
JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.126 - 3 -10.709 - 4 -10.644 - 5 -11.576 - 6 -11.601 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.120 - 3 -10.709 - 7 -10.709 - 7  JULY 31,1964  TRAJECTORY  PHOTO DATA PT LAT 2 -11.115 - 3 -10.709 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	13 HR  LON 19.543 20.126 19.121 18.908 19.954 20.126 13 HR  DATA  LCN 19.554 20.130 13.HR  DATA  LCN 19.139 18.928 19.960 20.130	23 MIN 44  RANGE 331.51262 320.63464 335.0165 344.67207 329.37553 320.63464 23 MIN 46  RANGE 327.18299 316.45013 330.63762 340.16215 340.16215 340.16215 340.16215 340.16216 340.16216 340.16216 340.16216 340.16216 340.16216	AZS/C -58.2 -59.8 -64.0 -57.0 -52.1 -59.8 SEC 380 AZS/C -58.2 -59.8 -64.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0 -57.0	AZN	SEC TO 124.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9  SEC TO 122.  AZ SUN -81.0 -79.9 -79.7 -82.2 -79.9  SEC TO 120.  AZ SUN -81.0	IMPACT 100  AZA 31.8 31.4 30.2 1 32.1 33.3 31.4 420 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ALT 285-76C6: A-	LAT 2 -8.93:  B/A A C.837 C.837 C.874 C.828 C.799 C.845 C.874 C.828 C.874 C.838 C.874 C.828 C.874 C.828 C.874 ATLAS	LON 3 -24.267  ZPHAZ INCC -88.1 68.1 -85.5 68.0 -91.1 69.3 -91.0 68.2 -85.5 68.0  PHOTO NO  3 -24.224  ZPHAZ INCC -91.1 69.3 -91.0 68.3 -91.0 68.3 -91.0 68.3 -91.0 68.3 -91.1 69.3 -91.1 69.3 -91.0 68.3	R 2021-21.  1 PHAZ EMIS 3 33.1 2 40.7 29.3 3 6.1 34.2 3 6.0 37.1 3 40.6 32.4 4 40.7 29.3 83  R 2017-42 9 PHAZ EMIS 3 83.3 1 40.7 29.3 3 6.1 34.2 3 6.0 37.0 4 0.6 32.4 4 0.7 29.3 84	ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 POD S  V 7 2.459 ALPHA 29.5 26.8 32.4 32.0 26.3 26.8 42.4 32.0 26.3 26.8 ALPHA 29.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 26.8 42.4 42.5 42.5 42.5 42.5 42.5 42.5 42.5	PTH AZ -66.566 115.  SCALE PT Q. 121.45955 2 29.96495 3 28.91521 4 31.05386 5 27.49208 6 EQUENCE NO 6  PTH AZ -66.538 115.  SCALE PT Q. 121.17786 2 29.57038 3 28.53553 4 30.64370 5 27.13230 6 EQUENCE NO 6	408

	RA-VII CAMERA	P4			15
JULY 31,1964 13 HR 23 MIN 49 SEC 740 MS	TAB NO	85	ATLAS PHOTO NO	85 POD SE	EQUENCE NO 837
TRAJECTORY CATA	SEC TO IMPACT	ALT	LAT LON	R V	PTH AZ
PHOTO DATA	119.060	274.38719	-8.993 -24.138	2009.842 2.463	
PT LAT LCN RANGE AZS/C AZN	AZSUN AZA			PHAZ EMIS ALPHA	SCALE PT-PT
2 -11.109 -19.578 318.51220 -58.2 10.6 3 -10.709 -20.138 308.06974 -59.8 9.7	-81.0 31.8 -79.9 31.4	6.397C1 0. 6.17723 0.		38.3 33.1 29.5 40.7 29.3 26.8	0. 1- 2 20.61375 2- 3
4 -10.647 -19.174 321.86822 -64.0 10.8	-79.7 30.2	6.45220 0.	828 -85.0 69.0	36.1 34.2 32.4	28.78044 3- 4
5 -11.541 -18.969 331.13085 -57.0 11.6	-82.2 32.1	6.63964 0.		36.0 37.0 31.9 40.6 32.4 26.3	27.77517 4- 5 29.82265 5- 6
6 -11.566 -19.973 316.45969 == 22.2 10.3 7 -10.709 -20.138 308.06974 -59.8 9.7	-82.2 33.3 -79.9 31.4	6.34379 C.	846 -91.0. 68.3. 874 -85.5 68.0	40.7 29.3 26.8	26.41179 6- 7
7 - 10.707 - 20.1130 300.00711 3700 711					
AL EL 656 NE	TAB NO	86	ATLAS PHOTO NO	86 POD SI	EQUENCE NO 839
JULY 31,1964 13 HR 23 MIN 51 SEC 419 MS					
TRAJECTORY DATA	SEC TO IMPACT	ALT	LAT LCN		PIH AZ
PHOTO DATA	117.380	270.59213	-9.014 -24.095	2006.047 2.465	-66.452 115.379
PT LAT LON RANGE AZS/C AZN	AZ SUN AZA	A. B	/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -11.104 -19.590 314.17094 -58.2 10.6	-81.0 31.8	6.30982 0.	838 -88.1 68.6	38.3 33.1 29.4	0. 1-2
3 -10.709 -20.143 :03.87383 -59.8 9.7 4 -10.647 -19.191 :317.47777 -64.0 10.8	-79.9 31.4 -79.7 30.3	6.09310 0. 6.36419 0.	874 -65.5 68.0 829 -85.0 69.0	40.7 29.3 26.8 36.1 34.2 32.4	20.33131 2-3 28.38506 3-4
4 -10.647 -19.191 317.47777 -64.0 10.8 5 -11.530 -18.989 326.60943 -57.0 11.6	-82.2 32.1	6.54898 0.	80C -91.1 69.2	36.0 37.0 31.9	27.39459 4- 5
6 -11.554 -19.980 312.14668 -52.2 10.3	-82.2 33.3	6.25734 0.	846 -91.0 68.3	40.6 32.4 26.3	29.41175 5- 6
7 -10.709 -20.143 303.87383 -59.8 9.7	-79.9 31.4	6.09310 C.	874 -85.5 68.0	40.7 29.3 26.8	26.05097 6- 7
	TAB NO	87	ATLAS PHOTO NO	87 POD S	EQUENCE NO 841
JULY 31,1964 13 HR 23 MIN 53 SEC 99 MS					
TRAJECTORY CATA	SEC TO IMPACT	AL T	LAT LON	R V	PTH AZ
TRAJECTORY GATA	115.700	266.79500	-9.C34 -24.052		-66.423 115.372
PHOTO DATA					SCALE PT-PT
PT LAT LCN RANGE AZS/C AZN 2 -11.098 -19.602 309.8256658.2_ 10.6	AZSUN AZA		/A AZPHAZ INCD 838 -88.1 68.6		0. 1- 2
3 -10.709 -20.147 299.67394 -59.8 9.7	-79.9 31.4	6.00889 0.	874 -85.5 68.0	40.7 29.3 26.8	20.04867 2- 3
4 -10.648 -19.209 313.08332 -64.0 10.8	-79.7 30.3	6.27610 0.	829 -85.0 68.9	36.1 34.2 32.4	27.98936 3-4
5 -11.518 -19.010 322.08400 -57.0 11.6		6.45824 C. 6.17080 C.		36.0 36.9 31.9 40.6 32.4 26.3	27.01370 4- 5 29.00055 5- 6
6 -11.542 -19.986 307.82968 -52.2 10.3	-82.2 33.3				
3 - 10 300 - 20 147 200 47104 - 60 H 0 7	-70 0 31 4		974 -85 5 68 0	40.7 29.4 26.8	25-69003 6- 7
7 -10.709 -20.147 299.67394 -59.8 9.7	-79.9 31.4	6.00889 0.	874 -85.5 68.0	40.7 29.3 26.8	25.69003 6- 7
	-79.9 31.4 TAB NO		874 -85.5 68.0 ATLAS PHOTO NO	40.7 29.3 26.8	25.69003 6- 7 EQUENCE NO 843
7 -10.709 -20.147 299.67394 -59.8 9.7  JULY 31,1964 13 HR 23 MIN 54 SEC 779 MS		6.00889 0.	874 -85.5 68.0	40.7 29.3 26.8	25.69003 6- 7 EQUENCE NO 843
	TAB NO	6.00889 0. 88	874 -85.5 68.0 ATLAS PHOTO NO	40.7 29.3 26.8 88 POD S	25.69003 6- 7 EQUENCE NO 843 PTH AZ
JULY 31,1964 13 HR 23 MIN 54 SEC 779 MS TRAJECTURY DATA	TAB NO	6.00889 0. 88	874 -85.5 68.0 ATLAS PHOTO NO	40.7 29.3 26.8 88 POD S	25.69003 6- 7 EQUENCE NO 843
JULY 31,1964 13 HR 23 MIN 54 SEC 779 MS TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C AZN	TAB NO SEC TO IMPACT 114.020 AZSUN AZA	6.00889 0. 88 ALT 262.99565	874 -85.5 68.0  ATLAS PHOTO NO  LAT LUN -9.054 -24.009  3/A AZPHAZ INCO	88 POD S  R 1998.451 2.469  PHAZ EMIS ALPHA	25.69003 6- 7 EQUENCE NO 843  PTH A2 -66.394 115.365  SCALE PT-PT
JULY 31,1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6	TAB NO SEC TO IMPACT 114.020  AZSUN AZA -81.0 31.8	ALT 262.99565	B74 -85.5 68.0  ATLAS PHOTO NO  LAT -9.C54 -24.009  3/A AZPHAZ INCO 838 -88.1 68.6	88 POD S  R 1998.451 2.469  PHAZ EMIS ALPHA 38.3 33.1 29.4	25.69003 6- 7 EQUENCE NO 843  PTH A2 -66.394 115.365  SCALE PT-PT 0. 1- 2
JULY 31,1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6 3 -10.708 -70.152 295.46994 -59.8 9.7	TAB NO SEC TO IMPACT 114.020  AZSUN AZA -81.0 31.8 -79.9 31.4	6.00869 0. 88 ALT 262.99565 A* E 6.13520 0. 5.92459 0.	874 -85.5 68.0  ATLAS PHOTO NO  LAT LON -9.C54 -24.009  3/A AZPHAZ INCO 838 -88.1 68.6 874 -85.5 68.0	88 POD S  R 1998.451 2.469  PHAZ EMIS ALPHA 38.3 33.1 29.4 40.7 29.3 26.8	25.69003 6- 7 EQUENCE NO 843  PTH A2 -66.394 115.365  SCALE PT-PT 0. 1- 2 19.76587 2- 3
JULY 31.1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6 3 -10.708 -70.152 295.46994 -59.8 9.7 4 -10.649 -19.226 308.68474 -63.9 10.8	TAB NO SEC TO IMPACT 114.020  AZSUN AZA -81.0 31.8 -79.9 31.4 -79.6 30.3	ALT 262.99565	B74 -85.5 68.0  ATLAS PHOTO NO  LAT -9.C54 -24.009  3/A AZPHAZ INCO 838 -88.1 68.6 8.74 -85.5 68.0 8.29 -85.0 68.9	88 POD S  R 1998.451 2.469  PHAZ EMIS ALPHA 38.3 33.1 29.4 40.7 29.3 26.8 36.1 34.1 32.3	25.69003 6- 7 EQUENCE NO 843  PTH A2 -66.394 115.365  SCALE PT-PT 0. 1- 2 19.76587 2- 3 27.59338 3- 4 26.63241 4- 5
JULY 31.1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTURY DATA  PHOTO DATA PT LAT CON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6 3 -10.708 -70.152 295.46994 -59.8 9.7 4 -10.649 -19.226 308.68474 -63.9 10.8 5 -11.506 -19.030 317.55442 -57.0 11.6 6 -11.530 -19.93 303.50850 -52.2 10.3	TAB NO SEC TO IMPACT 114.020  AZSUN AZA -61.0 31.8 -79.6 30.3 -82.2 32.1 -82.2 33.3	6.00889 C.  88  ALT 262.99565  A. E 6.13520 C. 5.92459 C. 6.18793 C. 6.36741 C.	B74 -85.5 68.0  ATLAS PHOTO NO  LAT	R V 1998.451 2.469 PHAZ EMIS ALPHA 38.3 33.1 29.4 40.7 29.3 26.8 36.1 34.1 32.3 36.0 36.9 31.9 40.6 32.4 26.3	25.69003 6- 7 EQUENCE NO 843  PTH AZ -66.394 115.365  SCALE PT-PT 0. 1-2 19.76587 2-3 27.59338 3- 4 26.63241 4- 5 28.58908 5- 6.
JULY 31,1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6 3 -10.708 -70.152 295.46994 -59.8 9.7 4 -10.649 -19.226 308.68474 -63.9 10.8 5 -11.506 -19.03 317.55442 -57.0 11.6	TAB NO SEC TO IMPACT 114.020  AZSUN AZA -61.0 31.8 -79.6 30.3 -82.2 32.1 -82.2 33.3	ALT 262-99565  A* E 6.13520 0. 5.92459 0. 6.18793 0. 6.36741 0.	874 -85.5 68.0  ATLAS PHOTO NO  LAT LUN -9.054 -24.009  3/A AZPHAZ INCO 838 -88.1 68.6 874 -85.5 68.0 829 -85.0 68.9 801 -91.1 69.2 8466 -91.0 68.3	R V 1998.451 2.469 PHAZ EMIS ALPHA 38.3 33.1 29.4 40.7 29.3 26.8 36.1 34.1 32.3 36.0 36.9 31.9 40.6 32.4 26.3	25.69003 6- 7 EQUENCE NO 843  PTH A2 -66.394 115.365  SCALE PT-PT 0. 1- 2 19.76587 2- 3 27.59338 3- 4 26.63241 4- 5
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JULY 31.1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6 3 -10.708 -70.152 295.46994 -59.8 9.7 4 -10.649 -19.226 308.68474 -43.9 10.8 5 -11.506 -19.030 317.55442 -57.0 11.6 6 -11.530 -19.93 303.50850 -52.2 10.3 7 -10.708 -20.152 295.46994 -59.8 9.7  JULY 31.1964 13 HR 23 MIN 56 SEC 459 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.097 -19.626 301.12277 -58.2 10.6 3 -10.708 -20.156 291.26204 -59.7 9.7 4 -10.649 -19.244 304.28225 -63.9 10.8 5 -11.495 -19.051 313.02093 -57.0 11.6 6 -11.518 -20.000 299.18337 -52.2 10.3 7 -10.708 -20.156 291.26204 -59.7 9.7  JULY 31.1964 13 HR 23 MIN 58 SEC 139 MS  TRAJECTORY DATA  PHOTO DATA PHOTO DATA PHOTO DATA PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.081 -19.639 296.76519 -58.2 10.6	TAB NO  SEC TO IMPACT 114.020  AZSUN AZA -61.0 31.8 -79.9 31.4 -79.6 30.3 -82.2 32.1 -82.2 33.4 -79.9 31.4  TAB NO  SEC TO IMPACT 112.340  AZSUN AZA -81.0 31.8 -79.9 31.4  TAB NO  SEC TO IMPACT 110.600  AZSUN AZA -81.0 31.8 NO	6.00849 0.88  ALT 262.99565  A* 6.13520 0. 6.18793 0. 6.36741 0. 6.08418 C. 5.92459 0.  89  ALT 259.19431  A* 6.0476 0. 6.27651 0. 6.9948 0. 5.84022 0. 90  ALT 255.39078	B74 -85.5 68.0  ATLAS PHOTO NO  LAT LON -9.C54 -24.009  3/A AZPHAZ INCO .838 -88.1 68.6 .829 -85.0 68.9 .801 -91.1 69.2 .846 -91.0 68.3 .874 -85.5 68.0  ATLAS PHOTO NO  LAT LCN -9.075 -23.965  8/A AZPHAZ INCD .838 -88.1 68.6 .829 -85.0 68.9 .829 -85.0 68.9 .844 -91.0 68.2 .858 -88.1 68.6 .858 -88.1 68.6 .868 -88.1 68.6 .874 -85.5 68.0  ATLAS PHOTO NO  LAT LON -9.C95 -23.910 BMA AZPHAZ INCD .838 -88.1 68.6	R V 1998.451 2.469 PHAZ EMIS ALPHA 38.3 33.1 29.4 40.7 29.3 26.8 36.1 34.1 32.3 36.0 36.9 31.9 40.6 32.4 26.3 40.7 29.3 26.8 89 POD S  R V 1994.650 2.471 PHAZ EMIS ALPHA 38.3 33.0 29.4 40.7 29.3 26.8 90 POD S  R V 1994.650 2.471 PHAZ EMIS ALPHA 38.3 33.0 29.4 40.7 29.3 26.8 90 POD S	25.69003 6- 7  EQUENCE NO 843  PTH AZ -66.394 115.365  SCALE PT-PT 0. 1-2 19.76587 2-3 27.59338 3-4 26.63241 4-5 28.58908 5-6 25.32867 6- 7 SEQUENCE NO 845  PTH AZ -66.365 115.357  SCALE PT-PT 0. 12 19.48274 2-3 27.19713 3-4 26.25102 4-5 28.17737 5-6 24.96691 6- 7  SEQUENCE NO 847  PTH AZ -66.336 115.350  SCALE PT-PT 0. 827 -66.336 115.350  SCALE PT-PT 0. 847
JULY 31.1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTURY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6 3 -10.708 -70.152 295.46994 -59.8 9.7 4 -10.649 -19.226 308.68474 -63.9 10.8 5 -11.506 -19.03C 317.55442 -57.0 11.6 6 -11.530 -19.93 303.50850 -52.2 10.3 7 -10.708 -20.152 295.46994 -59.8 9.7  JULY 31.1964 13 HR 23 MIN 56 SEC 459 MS  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.087 -19.626 301.12277 -58.2 10.6 3 -10.708 -20.152 291.26204 -59.7 9.7 4 -10.649 -19.244 304.28225 -63.9 10.8 5 -11.518 -20.000 299.18337 -52.2 10.3 7 -10.708 -20.156 291.26204 -59.7 9.7  JULY 31.1964 13 HR 23 MIN 58 SEC 139 MS  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C AZN 5 -11.495 -19.051 313.02093 -57.0 11.6 6 -11.518 -20.000 299.18337 -52.2 10.3 7 -10.708 -20.156 291.26204 -59.7 9.7  JULY 31.1964 13 HR 23 MIN 58 SEC 139 MS  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.091 -19.699 -296.76519 -58.2 10.6 3 -10.708 -20.160 287.76509 -59.7 9.7	TAB NO  SEC TO IMPACT 114.020  AZSUN AZA 61.0 31.4 -79.6 30.3 -82.2 32.1 -82.2 33.4 -79.9 31.4  TAB NO  SEC TO IMPACT 112.340  AZSUN AZA 681.0 31.8 -79.9 31.4 -79.6 30.3 -79.9 31.4  TAB NO  SEC TO IMPACT 110.660  AZSUN AZA 79.9 31.4 -79.9 31.5 -79.9 31.5 -79.9 31.6	6.00849 0.88  ALT 262-99565  A* 6.13520 0.5.92459 0.6.18793 0.6.36741 0.6.08418 C.5.92459 0.6.36741 0.6.08418 C.5.92459 0.6.36741 0.6.09468 0.6.27651 0.6.29348 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.5.9948 0.6.27651 0.6.276	### 100	## 29.3 26.8  ## 200 S  ## 24.69 PHAZ EMIS ALPHA 38.3 33.1 29.4 40.7 29.3 26.8  ## 36.0 36.9 31.9 40.6 32.4 26.3 40.7 29.3 26.8  ## 200 POD S  ## 200 POD S	25.69003 6- 7 EQUENCE NO 843  PTH AZ -66.394 115.365  SCALE PT-PT 0. 1-2 19.76587 2-3 27.59338 3-4 26.63241 4-5 28.58908 5-6 25.32867 6- 7 SEQUENCE NO 845  PTH AZ -66.365 115.357  SCALE PT-PT 0. 1-2 19.48274 2-3 27.19713 3-5 28.17737 5-6 24.96691 6-7 SEQUENCE NO 847  PTH AZ -66.336 115.350  SCALE PT-PT 0. 32 -66.336 115.350  SCALE PT-PT 0. 42 -66.336 115.350  SCALE PT-PT 0. 1-2 19.1934 2-3 26.80056 3-4
JULY 31.1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTURY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6 3 -10.708 -20.152 295.46994 -59.8 9.7 4 -10.649 -19.226 308.68474 -63.9 10.8 5 -11.506 -19.030 317.55442 -57.0 11.6 6 -11.530 -19.93 303.50850 -52.2 10.3 7 -10.708 -20.152 295.46994 -59.8 9.7  JULY 31.1964 13 HR 23 MIN 56 SEC 459 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.087 -19.626 301.12277 -58.2 10.6 3 -10.708 -20.152 291.26204 -59.7 9.7 4 -10.649 -19.244 304.28225 -63.9 10.8 5 -11.495 -19.051 313.02093 -57.0 11.6 6 -11.518 -20.000 299.18337 -52.2 10.3 7 -10.708 -20.156 291.26204 -59.7 9.7  JULY 31.1964 13 HR 23 MIN 58 SEC 139 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.081 -19.631 313.02093 -57.0 11.6 6 -11.518 -20.000 299.18337 -52.2 10.3 7 -10.708 -20.156 291.26204 -59.7 9.7  JULY 31.1964 13 HR 23 MIN 58 SEC 139 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.081 -19.639 296.76519 -58.2 10.6 3 -10.708 -20.160 287.05008 -59.7 9.7 4 -10.650 -19.202 299.87564 -63.9 10.6 5 -11.463 -19.072 308.48333 -57.0 11.6 5 -11.463 -19.072 308.48333 -57.0 11.6	TAB NO  SEC TO IMPACT 114.020  AZSUN AZA 31.8 -79.9 31.4 -79.6 30.3 -82.2 32.1 -82.2 33.3 -79.9 31.4  TAB NO  SEC TO IMPACT 112.340  AZSUN AZA -81.0 31.8 -79.6 30.3 -82.2 33.3 -79.9 31.4  TAB NO  SEC TO IMPACT 110.660  AZSUN AZA -81.0 31.8 -79.6 30.3 -82.2 32.1 -82.2 33.3 -79.9 31.4	6.00849 0.88  ALT 262.99565  A. 6.13520 0.5.92459 0.6.18793 0.6.36741 0.6.08418.G. 5.92459 0.6.08716 0.6.08716 0.6.08716 0.6.27651 0.5.92459 0.9088 0.6.27651 0.5.99748 0.5.84022 0.9088 0.6.27651 0.5.99748 0.5.84022 0.5.85025 0.5.75576 0.6.18552 0	### 100	88 POD S  R V 1998.451 2.469 PHAZ EMIS ALPHA 38.3 33.1 29.4 40.7 29.3 26.8 36.1 34.1 32.3 36.0 36.9 31.9 40.6 32.4 26.3 40.7 29.3 26.8 89 POD S  R V 1994.650 2.471 PHAZ EMIS ALPHA 38.3 33.0 29.4 40.7 29.3 26.8 36.1 34.1 32.3 36.0 36.9 31.8 40.6 32.3 26.3 40.7 29.3 26.8 90 POD S  R V 1990.846 2.473 PHAZ EMIS ALPHA 38.3 33.0 29.4 40.7 29.3 26.8 90 POD S	25.69003 6- 7 EQUENCE NO 843  PTH AZ -66.394 115.365  SCALE PT-PT 0. 1- 2 19.76587 2- 3 27.59338 3- 4 26.63241 4- 5 28.58908 5- 6 25.32867 6- 7  SEQUENCE NO 845  PTH AZ -66.365 115.357  SCALE PT-PT 0. 1- 2 19.48274 2- 3 27.19713 3- 4 26.25102 4- 5 28.17737 5- 6 24.96691 6- 7  SEQUENCE NO 847  PTH AZ -66.336 115.350  SCALE PT-PT 0. 1- 2 19.496274 2- 3 26.80056 3- 4 25.86913 4- 5 26.80056 3- 4 25.86913 4- 5
JULY 31.1964 13 HR 23 MIN 54 SEC 779 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -11.092 -19.614 305.47620 -58.2 10.6 3 -10.708 -70.152 295.46994 -59.8 9.7 4 -10.649 -19.226 308.88474 -63.9 10.8 5 -11.506 -19.030 317.55442 -57.0 11.6 6 -11.530 -19.93 303.50850 -52.2 10.3 7 -10.708 -20.152 295.46994 -59.8 9.7  JULY 31.1964 13 HR 23 MIN 56 SEC 459 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -11.087 -19.623 301.12277 -58.2 10.6 3 -10.708 -20.156 291.26204 -59.7 9.7 4 -10.649 -19.244 304.28225 -63.9 10.8 5 -11.495 -19.051 313.02093 -57.0 11.6 6 -11.518 -20.000 299.18337 -52.2 10.3 7 -10.708 -20.156 291.26204 -59.7 9.7  JULY 31,1964 13 HR 23 MIN 58 SEC 139 MS  TRAJECTORY DATA  PHOTO DAT	TAB NO  SEC TO IMPACT 114.020  AZSUN AZA -61.0 31.4 -79.6 30.3 -82.2 32.1 -82.2 33.3 -79.9 31.4  TAB NO  SEC TO IMPACT 112.340  AZSUN AZA -61.0 31.6 -79.9 31.4  TAB NO  SEC TO IMPACT 110.660  AZSUN AZA -79.9 31.4  TAB NO	6.00849 0.88  ALT 262.99565  A. 6.13520 0.5.92459 0.6.36741 0.6.36741 0.6.36741 0.6.36741 0.6.36741 0.6.36741 0.6.36741 0.6.36741 0.6.36741 0.6.36741 0.6.364022 0.6.36402 0.	B74 -85.5 68.0  ATLAS PHOTO NO  LAT	## 29.3 26.8  ## 200 S  ## 24.69 PMAZ EMIS ALPHA 38.3 33.1 29.4 40.7 29.3 26.8  ## 36.0 36.9 31.9 40.6 32.4 26.3 40.7 29.3 26.8  ## 200 POD S  ## 200 POD S	25.69003 6- 7 EQUENCE NO 843  PTH AZ -66.394 115.365  SCALE PT-PT 0. 1-2 19.76587 2-3 27.59338 3-4 26.63241 4-5 28.58908 5-6 25.32867 6- 7 SEQUENCE NO 845  PTH AZ -66.365 115.357  SCALE PT-PT 0. 1-2 19.48274 2-3 27.19713 3-5 28.17737 5-6 24.96691 6-7 SEQUENCE NO 847  PTH AZ -66.336 115.350  SCALE PT-PT 0. 32 -66.336 115.350  SCALE PT-PT 0. 42 -66.336 115.350  SCALE PT-PT 0. 1-2 19.1934 2-3 26.80056 3-4

					RA-VI	I CAMER	4 P4						1	16
JULY 31,196	4 13 HR	23 MIN 59	SEC 819	MS		TAB NO	91	ATLA	s рното	NO	91		EQUENCE NO 84	
TRAJECTORY	DATA				SEC TO	IMPACT	ALT	LAT	LCI	N	R		PTH AZ -66.307 115.34	
PHOTO DATA PT LAT 2 -11.075 3 -10.708 4 -10.650 5 -11.471 6 -11.494 7 -10.708					108	980	251.5855	3 -9.11	6 -23.	877	1987.04	l 2.474	-66.307 115.34	42
PT LAT	LON	RANGE	AZS/C	AZN	AZ SUN	AZA	Δ.							
2 -11.075	~19.651	292.40303	-58.2	10.6	-81.0	31.8	5.87264	0.839	-88.1	68.5	38.3 33.0	29.4	SCALE PT-F 0. 1- 18.91568 2- 26.40356 3- 25.48700 4- 27.35292 5- 24.24251 4-	ויי
3 -10.708	-20.165	282.83372	-59.7	9.7	-79.9	31.5	5.67122	0.874	-85.4	68.0	40.7 29.2	26.8	18.91568 2-	3
5 -11 471	-19.280	295.46441	-63.9	10.8	-79.6	30.3	5.92292	0.829	-85.0	68.9	36.1 34.1	32.3	26.40356 3-	4
6 -11.494	-20-014	290-52043	-52.2	11.5	-82.2	32.1	6.09445	0.801	-91.1	69.1	36.0 36.9	31.8	25.48700 4-	5
7 -10.708	-20.165	282.83372	-59.7	9.7	-79-9	31.5	5.67122	0.874	<u>-91.0 1</u>	<u> </u>	40.6 32.3	_26.3	27.35292 5-	_ف
				,.,	1,7.7	31.0	3.0/122	0.874	-85.4	68.0	40.7 29.2	26.8	24.24251 6-	7
JULY 31,196						TAB NO	92	ATLA	S PHOTO	NO	92		EQUENCE NO 85	
TO A LECTION	DATA													-
INAJECTORY	DATA				SEC IO	IMPACT	ALT	LAT		¥	R		PIH AZ -66.278 115.33	
PHOTE DATA PT LAT 2 -11.070 3 -10.708 4 -10.651 5 -11.460 6 -11.482 7 -10.708					107	301	247.1178	99.13	6 -23.	23	1983.23	2.476	-66.278 115.33	34
PT LAT	LON	RANGE	AZS/C	AZN	AZ SUN	Δ7Δ	۸۰							
2 -11.070	-19.663	288.03596	-58.2	10.6	-81.0	31.8	5.78493	0.839	-88.1 A	1 NLU	AUNT EMI?	ALPHA	SCALE PT-P 0. 1- 18.63173 2-	Ϋ́
3 -10.708	-20.170	278.61262	-59.7	9.7	-79.9	31.5	5.58658	0.874	-85-4	58.0	40.7 29.2	26 8	10 42172 2-	4
4 -10.651	-19.298.	291.04820	-63.9	10.8	-79.6	30.4	5.83439		-85-U (	5 M . B	36-1 34-1	32.3	26.00612 3-	2
5 -11.460	-19.113	299.39381	-57.0	11.5	-82.2	32.1	6.00327	0.802	-91.1	59.1	36.0 36.8	31.A	25.10436 4-	5
7 -10 709	-20.021	286.18192	52.2	10.3	-82.2	33.2	5.73685	0.846	-91.0	58.2	40.6 32.3 40.7 29.2	26.3	25.10436 4- 26.94008 5-	6.
7 -10.708	-20.170	218.61262	-59.7	9.7	-79.9	31.5	5.58658	0.874	-85.4	58.0	40.7 29.2	26.8	23.87975 6-	7
						TAB NO	23	ATLAC	PHOTO	NO	0.2	DOD 0		
JULY 31,196	4 13 HR												EQUENCE NO 85	
TRAJECTORY	DATA				SEC TO	IMPACT	A1 T	LAT	1.0		ь		PTH AZ	
					105	621	243.9682	0 -9.15	7 -23.7	189	1979.42	2.478	-66-249 115-32	7
PHOTO DATA PT LAT 2 -11.064 3 -10.707 4 -10.652 5 -11.448 6 -11.470 7 -10.707													000247 113032	
PI LAI	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A *	B/A A	ZPHAZ 1	NCD	PHAZ EMIS	ALPHA	SCALE PT-P	PΤ
3 -10 707	-19.6(6.	283.66489	-58.2	10.6	81.0	31.8	5.69714	0.839	-88.1 6	8.5	38.3 33.0	29.4	0. 1-	2
4 -10-652	-19-316	286.62807	-63 0	10 0	-79.9	31.5	5.50186	0.874	-85.4	8.0	40.7 29.2	26.8	18.34755 2-	3
5 -11.448	-19.134	294.84261	-57.0	11.5	-19.5	30.4	5.74578	0.83C	-85.0	8.8	36.1 34.1	32.2	25.60841 3-	4
6 -11.470	-20.028	281.83940	-52.2	10.3	-82.2	33.2	5.44090	0.802	-91.1 6	9.1	36.0 36.8	31.8	24.72151 4- 26.52697 5-	5
7 -10.707	-20.175	274.38756	-59.7	9.7	-79.9	31.5	5-50186	0.874	-85.4	18 A	40.6_32.3	26.3	26.52697 <u>5-</u> 23.51668 6-	6
							,						23132000	7
						TAR NO	94	ATLAS	РНОТО	NO	94	POD S	EQUENCE NO 85	7
JULY 31,196		24 MIN _4	SEC 859	MS.		TAB NO	94	ATLAS	PHOTO	NO	94	POD S	EQUENCE NO 85	7 55
	4 13 HR	24 MIN _4	SEC 859	MS.		TAB NO	94	ATLAS	PHOTO	NO	94	POD S	EQUENCE NO 85	7 55
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55 
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55 
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55 
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55 
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55 19 21 23 4.5
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55 19 21 23 4.5
JULY 31,196	4 13 HR DATA	24 MIN _4	SEC 859	MS.	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S	EQUENCE NO 85	7 55 19 21 23 4.5
JULY 31,196  TRAJECTORY  'HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707	LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179	RANGE 279-28959 270-15833 282-20377 290-28724 277-49268 270-15833	AZS/C -58.2 -59.7 -63.9 -57.0 -52.3 -59.7	AZN 10.6 9.7 10.8 11.5 10.3	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S  2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8	EQUENCE NO 85	7 55 19 17 2 3 4 5 6 7
JULY 31,196	LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179	RANGE 279-28959 270-15833 282-20377 290-28724 277-49268 270-15833	AZS/C -58.2 -59.7 -63.9 -57.0 -52.3 -59.7	AZN 10.6 9.7 10.8 11.5 10.3	SEC TO	TAB NO	94 	ATLAS	PHOTO :	NO 	94	POD S  2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8	PTH AZ -66.219 115.31 SCALE PT-P 0. 1- 18.00319 2- 25.21040 3- 24.33836 4- 26.11359 5- 23.15331 6-	7 55 19 17 2 3 4 5 6 7
JULY 31,196	LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179	RANGE 279-28959 270-15833 282-20377 290-28724 277-49268 270-15833	AZS/C -58.2 -59.7 -63.9 -57.0 -52.3 -59.7	AZN 10.6 9.7 10.8 11.5 10.3 9.7	AZ SUN -61.0 -79.9 -79.6 -62.2 -79.9	AZA 31.8 31.5 30.4 32.1 33.2 31.5	ALT 240-15630 A. 5.60926 5.41706 5.65710 5.82067 5.56267. 5.41706	ATLAS  LAT -9.17  B/A A 0.839 0.874 0.83C 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.0 6 -85.4 6	NO 144 1NCD 18.5 18.5 18.6 19.1 18.2 18.0	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ66.219 115.31  SCALE PT-P 0. 1- 18.00319 2- 25.21040 3- 24.33836 4- 26.11359 3- 23.15331 6-  EQUENCE NO 85	7 555 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	\$EC_TO 103. AZ SUN -81.0 -79.9 -79.9 -82.2 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  FAB NO	ALT 240-15630 5.60926 5.41706 5.65710 5.82067 5.41706 95	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.0 6 -91.0 6	NO 1744 INCD 188.5 188.0 199.1 198.2 198.0 NO	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	\$EC_TO 103. AZ SUN -81.0 -79.9 -79.9 -82.2 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  FAB NO	ALT 240-15630 5.60926 5.41706 5.65710 5.82067 5.41706 95	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.0 6 -91.0 6	NO 1744 INCD 188.5 188.0 199.1 198.2 198.0 NO	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	\$EC_TO 103. AZ SUN -81.0 -79.9 -79.9 -82.2 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  FAB NO	ALT 240-15630 5.60926 5.41706 5.65710 5.82067 5.41706 95	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.0 6 -91.0 6	NO 1744 INCD 188.5 188.0 199.1 198.2 198.0 NO	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	\$EC_TO 103. AZ SUN -81.0 -79.9 -79.9 -82.2 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  FAB NO	ALT 240-15630 5.60926 5.41706 5.65710 5.82067 5.41706 95	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.0 6 -91.0 6	NO 1744 INCD 188.5 188.0 199.1 198.2 198.0 NO	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	\$EC_TO 103. AZ SUN -81.0 -79.9 -79.9 -82.2 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  FAB NO	ALT 240-15630 5.60926 5.41706 5.65710 5.82067 5.41706 95	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.0 6 -91.0 6	NO 1744 INCD 188.5 188.0 199.1 198.2 198.0 NO	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	\$EC_TO 103. AZ SUN -81.0 -79.9 -79.9 -82.2 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  FAB NO	ALT 240-15630 5.60926 5.41706 5.65710 5.82067 5.41706 95	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.0 6 -91.0 6	NO 1744 INCD 188.5 188.0 199.1 198.2 198.0 NO	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	\$EC_TO 103. AZ SUN -81.0 -79.9 -79.9 -82.2 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  FAB NO	ALT 240-15630 5.60926 5.41706 5.65710 5.82067 5.41706 95	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.0 6 -91.0 6	NO 1744 INCD 188.5 188.0 199.1 198.2 198.0 NO	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	\$EC_TO 103. AZ SUN -81.0 -79.9 -79.9 -82.2 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  FAB NO	ALT 240-15630 5.60926 5.41706 5.65710 5.82067 5.41706 95	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.802 0.847 0.874  ATLAS	E PHOTO   8 -23.7 ZPHAZ   1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.0 6 -91.0 6	NO 1744 INCD 188.5 188.0 199.1 198.2 198.0 NO	94 R 1975.612 PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2 95	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707 7	LON 19.689 20.179 19.334 19.156 20.035 20.179 4 13 HR	RANGE 279,28959 270,15833 282,20377 290,28724 271,49268 270,15833 24 MIN 6	AZS/C -50.2 -50.7 -63.9 -52.3 -59.7 SEC 539	AZN 10.6 9.7 10.8 11.5 10.3 9.7	SEC_TO_ 103. AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9 SEC_TO_ 102. AZ SUN -81.0 -79.9 -79.9 -82.2 -79.9	TAB NO  IMPACT 941  AZA 31.8 31.8 31.9 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.9 32.1 33.2 31.5	ALT 240-15630 A.* 5.60926 5.41706 5.65710 5.8207 5.8207 5.41706 95 ALT 236.34251 ALT 236.34251 5.52132 5.32132 5.32136 5.56833 5.75265 5.47546 5.33218	ATLAS  LAT -9.17  B/A A 0.837 0.807 0.807 0.807 ATLAS  LAT -9.19 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803 0.803	EPHOTO   LCN   PHOTO   LCN   PHOTO   LCN   PHOTO   LCN   PHOTO   PHOTO	NO N	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 95  R 1971.796  PHAZ EMIS 38.3 33.0 40.7 29.2 36.0 36.8 40.6 32.3 40.7 29.2 36.1 34.0	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI	PTH AZ  -66.219 115.31  SCALE PT-P  0  18.00319 2-  25.21040 3-  24.33836 4-  26.11359 5-  23.15331 6-  QUENCE NO 85	7 55 
JULY 31,196  TRAJECTORY  'HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31.196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.357 -20.042 -20.0184	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.72820 273.14225 265.92543	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -57.0	AZN 10.6 9.7 10.8 11.5 10.6 9.7 10.8 11.5 10.3 9.7	SEC_TO_ 103. AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9 SEC_TO_ 102. AZ SUN -81.0 -79.9 -79.6 -82.2 -82.2	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5	94  ALT 240-15631  A* 5.60926 5.41706 5.65710 5.82067 5.156267 5.41706  95  ALT 236.34250  A.* 5.52132 5.56833 5.72925 5.47546 5.33218	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.847 0.874  ATLAS  LAT -9.19  8/A 0.836 0.802 0.847 0.836 0.802 0.847	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -85.0 6 -85.4 6 PHOTO!  2 PHAZ 1 -88.1 6 -85.0 6 -85.4 6 6 -85.0 6 -85.4 6 6 8 -85.0 6 -85.4 6 8 -85.0 6 -85.4 6 6 -85.0 6 -85.4 6 6 -85.0 6 -85.4 6 6 -91.0	NO 1444 (NCD 18.5) 18.0 19.1 18.2 18.0 NO 19.9 NCD 18.5 18.0 18.0 18.0 18.0 18.0 18.0 18.0	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 95  R 1971.796  PHAZ EMIS 38.3 33.0 40.7 29.2 36.0 36.8 40.6 32.3 40.7 29.2 36.1 34.0	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8  POD SI  V 2.482  ALPHA 29.3 26.7 31.7 26.2 26.7	PTH AZ -66.219 115.31  SCALE PT-P 0. 1- 18.00319 2- 25.21040 3- 24.33836 4- 26.11359 5- 23.15331 6-  EQUENCE NO 85;  PTH AZ -66.190 115.31  SCALE PT-P 0. 1- 17.77844 2- 24.81215 2- 23.95492 4- 25.69998 5- 22.78953 6-	7 555 19 7 12 3 4 5 6 7 7 11 7 2 3 4 5 6 7
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR  DATA  LON  -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR  DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.72820 273.14225 265.92543	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -57.0	AZN 10.6 9.7 10.8 11.5 10.3 9.7 MS	SEC_TO_ 103. AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9 SEC_TO_ 102. AZ SUN -81.0 -79.9 -79.6 -82.2 -82.2	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5  AZA 31.8 31.5  TAB NO	94  ALT 240-15631  A* 5.60926 5.41706 5.65710 5.82067 5.156267 5.41706  95  ALT 236.34250  A.* 5.52132 5.33218 5.5683 5.72925 5.47546 5.33218	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.847 0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -85.0 6 -91.1 6 -85.4 6  PHOTO !  ZPHAZ 1 -88.1 6 -85.0 6 -85.4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	NO 1444 (NCD 18.5) 18.0 19.1 18.2 18.0 NO 19.9 NCD 18.5 18.0 19.9 NCD 18.5 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2  95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.0 36.0 36.0 36.0 37.0	POD S  ALPHA 29-3 26-8 32-2 31-7 26-2 26-8 POD SI  V 2-482  ALPHA 29-3 26-7 POD SI	PTH AZ -66.219 115.31 SCALE PT-P 0. 1- 18.06.319 2- 25.21.040 3- 24.33836 4- 26.11.359 5- 23.15331 6- EQUENCE NO 85:  PTH AZ -66.190 115.31 SCALE PT-P 0. 17.77844 2- 24.81215 3- 23.95492 4- 22.69998 5- 22.78953 6- EQUENCE NO 85:	7 55 19 7 7 7 7 7 7 11 12 3 4 5 6 7 7
JULY 31,196  TRAJECTORY  'HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR DATA	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.772820 273.14225 265.92543 24 MIN 8	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -59.7 SEC 218	AZN 10.6 9.7 10.8 11.5 9.7 MS	SEC_TO_103.  AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9  SEC_TO_102.  AZ SUN -79.6 -82.2 -79.9  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO	94  ALT 240-1563(  A. 5.60926 5.41706 5.65710 5.82067 5.526267 5.41706  95  ALT 236.3425( A. 5.52132 5.33218 5.56833 5.72925 5.47546 5.33218 96	ATLAS  LAT -9.17  8/A 0.839 0.874 0.832 0.847 0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -85.0 6 -91.1 6 -85.4 6  PHOTO !  ZPHAZ 1 -88.1 6 -85.0 6 -85.4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	NO 1444 (NCD 18.5) 18.0 19.1 18.2 18.0 NO 19.9 NCD 18.5 18.0 19.9 NCD 18.5 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2  95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.0 36.0 36.0 36.0 37.0	POD S  ALPHA 29-3 26-8 32-2 31-7 26-2 26-8 POD SI  V 2-482  ALPHA 29-3 26-7 POD SI	PTH AZ -66.219 115.31 SCALE PT-P 0. 1- 18.00.319 2- 25.21.040 3- 24.33836 4- 26.11.359 5- 23.15331 6- EQUENCE NO 85:  PTH AZ -66.190 115.31 SCALE PT-P 0. 17.77844 2- 24.81215 3- 23.95492 4- 22.69998 5- 22.78953 6- EQUENCE NO 85:	7 55 19 7 7 7 7 7 7 11 12 3 4 5 6 7 7
JULY 31,196  TRAJECTORY  'HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR DATA	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.772820 273.14225 265.92543 24 MIN 8	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -59.7 SEC 218	AZN 10.6 9.7 10.8 11.5 9.7 MS	SEC_TO_103.  AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9  SEC_TO_102.  AZ SUN -79.6 -82.2 -79.9  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO	94  ALT 240-1563(  A* 5.60926 5.41706 5.45710 5.82067 5.41706  95  ALT 236.3425(  A* 5.5212 5.5683 5.7683 5.72925 5.47546 5.33218 96  ALT 232.5266(	ATLAS  LAT  -9.17  8/A  0.834  0.834  0.834  0.834  0.847  0.874  ATLAS  8/A  ATLAS  0.836  0.807  0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -85.4 6 PHOTO !	NO 1444 INCD 18.55 18.8 8.9 19.1 2.8 8.0 NO 1999 INCD 18.5 18.8 8.8 8.8 8.8 8.8 8.8 8.8 8.0 NO 1999 INCD 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 95  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.7 29.2 96  R 1967.982	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8 POD SI  V 2.482  ALPHA 29.3 26.7 POD S  V 2.484	PTH AZ -66.219 115.31 SCALE PT-P -66.219 115.31 SCALE PT-P -66.319 2-25.21040 3-24.33836 4-26.11359 5-23.15331 6-1000 115.31 SCALE PT-P 0. 1-17.77844 2-24.81215 3-23.95492 4-25.69998 5-22.78953 6-1000 EQUENCE NO 850	7 55 19 7 7 7 7 7 7 11 12 3 4 5 6 7 7
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR DATA	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.772820 273.14225 265.92543 24 MIN 8	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -59.7 SEC 218	AZN 10.6 9.7 10.8 11.5 9.7 MS	SEC_TO_103.  AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9  SEC_TO_102.  AZ SUN -79.6 -82.2 -79.9  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO	94  ALT 240-1563(  A* 5.60926 5.41706 5.45710 5.82067 5.41706  95  ALT 236.3425(  A* 5.5212 5.5683 5.7683 5.72925 5.47546 5.33218 96  ALT 232.5266(	ATLAS  LAT  -9.17  8/A  0.834  0.834  0.834  0.834  0.847  0.874  ATLAS  8/A  ATLAS  0.836  0.807  0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -85.4 6 PHOTO !	NO 1444 INCD 18.55 18.8 8.9 19.1 2.8 8.0 NO 1999 INCD 18.5 18.8 8.8 8.8 8.8 8.8 8.8 8.8 8.0 NO 1999 INCD 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 95  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.7 29.2 96  R 1967.982	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8 POD SI  V 2.482  ALPHA 29.3 26.7 POD S  V 2.484	PTH AZ -66.219 115.31 SCALE PT-P -66.219 115.31 SCALE PT-P -66.319 2-25.21040 3-24.33836 4-26.11359 5-23.15331 6-1000 115.31 SCALE PT-P 0. 1-17.77844 2-24.81215 3-23.95492 4-25.69998 5-22.78953 6-1000 EQUENCE NO 850	7 55 19 T 2 3 4 5 4 7 7 11 T 2 3 4 5 6 7 89 14 17
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR DATA	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.772820 273.14225 265.92543 24 MIN 8	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -59.7 SEC 218	AZN 10.6 9.7 10.8 11.5 9.7 MS	SEC_TO_103.  AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9  SEC_TO_102.  AZ SUN -79.6 -82.2 -79.9  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO	94  ALT 240-1563(  A* 5.60926 5.41706 5.45710 5.82067 5.41706  95  ALT 236.3425(  A* 5.5212 5.5683 5.7683 5.72925 5.47546 5.33218 96  ALT 232.5266(	ATLAS  LAT  -9.17  8/A  0.834  0.834  0.834  0.834  0.847  0.874  ATLAS  8/A  ATLAS  0.836  0.807  0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -85.0 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -85.4 6 PHOTO !	NO 1444 INCD 18.55 18.8 8.9 19.1 2.8 8.0 NO 1999 INCD 18.5 18.8 8.8 8.8 8.8 8.8 8.8 8.8 8.0 NO 1999 INCD 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 95  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.7 29.2 96  R 1967.982	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8 POD SI  V 2.482  ALPHA 29.3 26.7 POD S  V 2.484	PTH AZ -66.219 115.31 SCALE PT-P -66.219 115.31 SCALE PT-P -66.319 2-25.21040 3-24.33836 4-26.11359 5-23.15331 6-1000 115.31 SCALE PT-P 0. 1-17.77844 2-24.81215 3-23.95492 4-25.69998 5-22.78953 6-1000 EQUENCE NO 850	7 55 19 T 2 3 4 5 4 7 7 11 T 2 3 4 5 6 7 89 14 17
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR DATA	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.772820 273.14225 265.92543 24 MIN 8	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -59.7 SEC 218	AZN 10.6 9.7 10.8 11.5 9.7 MS	SEC_TO_103.  AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9  SEC_TO_102.  AZ SUN -79.6 -82.2 -79.9  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO	94  ALT 240-1563(  A* 5.60926 5.41706 5.45710 5.82067 5.41706  95  ALT 236.3425(  A* 5.5212 5.5683 5.7683 5.72925 5.47546 5.33218 96  ALT 232.5266(	ATLAS  LAT  -9.17  8/A  0.834  0.834  0.834  0.834  0.847  0.874  ATLAS  8/A  ATLAS  0.836  0.807  0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -85.0 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -85.4 6 PHOTO !	NO 1444 INCD 18.55 18.8 8.9 19.1 2.8 8.0 NO 1999 INCD 18.5 18.8 8.8 8.8 8.8 8.8 8.8 8.8 8.0 NO 1999 INCD 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 95  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.7 29.2 96  R 1967.982	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8 POD SI  V 2.482  ALPHA 29.3 26.7 POD S  V 2.484	PTH AZ -66.219 115.31  SCALE PT-P 0. 1- 18.00319 2- 25.21040 3- 24.33836 4- 26.11359 5- 23.15331 6- CQUENCE NO 85;  PTH AZ -66.190 115.31  SCALE PT-P 0. 1- 17.77844 2- 24.81215 3- 23.95492 4- 25.69998 5- 22.78953 6-  EQUENCE NO 85;	7 55 19 T 23 4 5 6 7 7 11 T 23 4 5 6 7 19 14 T 23
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR DATA	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.772820 273.14225 265.92543 24 MIN 8	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -59.7 SEC 218	AZN 10.6 9.7 10.8 11.5 9.7 MS	SEC_TO_103.  AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9  SEC_TO_102.  AZ SUN -79.6 -82.2 -79.9  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO	94  ALT 240-1563(  A* 5.60926 5.41706 5.45710 5.82067 5.41706  95  ALT 236.3425(  A* 5.5212 5.5683 5.7683 5.72925 5.47546 5.33218 96  ALT 232.5266(	ATLAS  LAT  -9.17  8/A  0.834  0.834  0.834  0.834  0.847  0.874  ATLAS  8/A  ATLAS  0.836  0.807  0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -85.0 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -85.4 6 PHOTO !	NO 1444 INCD 18.55 18.8 8.9 19.1 2.8 8.0 NO 1999 INCD 18.5 18.8 8.8 8.8 8.8 8.8 8.8 8.8 8.0 NO 1999 INCD 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 95  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.7 29.2 96  R 1967.982	POD S  V 2.480  ALPHA 29.3 26.8 32.2 31.7 26.2 26.8 POD SI  V 2.482  ALPHA 29.3 26.7 POD S  V 2.484	PTH AZ -66.219 115.31  SCALE PT-P 0. 1- 18.00319 2- 25.21040 3- 24.33836 4- 26.11359 5- 23.15331 6- CQUENCE NO 85;  PTH AZ -66.190 115.31  SCALE PT-P 0. 1- 17.77844 2- 24.81215 3- 23.95492 4- 25.69998 5- 22.78953 6-  EQUENCE NO 85;	7 55 19 T 23 4 5 6 7 7 11 T 23 4 5 6 7 19 14 T 23
JULY 31,196  TRAJECTORY  "HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR DATA	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.772820 273.14225 265.92543 24 MIN 8	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -59.7 SEC 218	AZN 10.6 9.7 10.8 11.5 9.7 MS	SEC_TO_103.  AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9  SEC_TO_102.  AZ SUN -79.6 -82.2 -79.9  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO	94  ALT 240-1563(  A* 5.60926 5.41706 5.45710 5.82067 5.41706  95  ALT 236.3425(  A* 5.5212 5.5683 5.7683 5.72925 5.47546 5.33218 96  ALT 232.5266(	ATLAS  LAT  -9.17  8/A  0.834  0.834  0.834  0.834  0.847  0.874  ATLAS  8/A  ATLAS  0.836  0.807  0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -85.0 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -85.4 6 PHOTO !	NO 1444 INCD 18.55 18.8 8.9 19.1 2.8 8.0 NO 1999 INCD 18.5 18.8 8.8 8.8 8.8 8.8 8.8 8.8 8.0 NO 1999 INCD 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 95  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.7 29.2 96  R 1967.982	POD S  ALPHA 29-3 26-8 32-2 31-7 26-2 26-8 POD SI  V 2-482 ALPHA 29-3 26-7 POD S  V 2-484 ALPHA 29-3 32-7 32-2 31-7 32-2 31-7 32-2 31-7	PTH AZ -66.219 115.31  SCALE PT-P 0. 1- 18.00.319 2- 25.21.040 3- 24.33836 4- 26.11.359 5- 23.15331 6-  QUENCE NO 85:  PTH AZ -66.190 115.31  SCALE PT-P 0. 17.77844 2- 24.81215 3- 23.95492 4- 25.69998 5- 22.78953 6-  EQUENCE NO 85:  PTH AZ -66.160 115.30  SCALE PT-P 0. 17.49358 2- 24.41356 3- 23.57117 4-	7 55 19 T 234.5 6.7 7 11 T 234.5 6.7 69 4 T 234.5
JULY 31,196  TRAJECTORY  'HOTO DATA PT LAT 2 -11.058 3 -10.707 4 -10.652 5 -11.436 6 -11.458 7 -10.707  JULY 31,196  TRAJECTORY  PHOTO DATA PT LAT 2 -11.052 3 -10.707 4 -10.653 5 -11.424 6 -11.446 7 -10.707  JULY 31,196	4 13 HR DATA  LON -19.689 -20.179 -19.334 -19.156 -20.035 -20.179  4 13 HR DATA  LON -19.701 -20.184 -19.359 -19.177 -20.042 -20.184 4 13 HR DATA	RANGE 279.28959 270.15833 282.20377 290.28724 277.49268 270.15833 24 MIN 6 RANGE 274.91054 265.92543 277.77579 285.772820 273.14225 265.92543 24 MIN 8	AZS/C -50.2 -59.7 -63.9 -57.0 -52.3 -59.7 SEC 539 AZS/C -58.2 -59.7 -63.8 -57.0 -52.3 -59.7 SEC 218	AZN 10.6 9.7 10.8 11.5 9.7 MS	SEC_TO_103.  AZ SUN -61.0 -79.9 -79.6 -82.2 -79.9  SEC_TO_102.  AZ SUN -79.6 -82.2 -79.9  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.  SEC_TO_102.	TAB NO  IMPACT 941  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO  IMPACT 261  AZA 31.8 31.5 30.4 32.1 33.2 31.5  TAB NO	94  ALT 240-1563(  A* 5.60926 5.41706 5.45710 5.82067 5.41706  95  ALT 236.3425(  A* 5.5212 5.5683 5.7683 5.72925 5.47546 5.33218 96  ALT 232.5266(	ATLAS  LAT  -9.17  8/A  0.834  0.834  0.834  0.834  0.847  0.874  ATLAS  8/A  ATLAS  0.836  0.807  0.874  ATLAS	8 -23.7  ZPHAZ 1 -88.1 6 -85.4 6 -85.0 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -91.1 6 -85.4 6 PHOTO !	NO 1444 INCD 18.55 18.8 8.9 19.1 2.8 8.0 NO 1999 INCD 18.5 18.8 8.8 8.8 8.8 8.8 8.8 8.8 8.0 NO 1999 INCD 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	94  R 1975.612  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.8 40.6 32.3 40.7 29.2  95  R 1971.798  PHAZ EMIS 38.3 33.0 40.7 29.2 36.1 34.0 36.0 36.0 36.0 36.0 36.0 37.0	POD S  ALPHA 29-3 26-8 32-2 31-7 26-2 26-8 POD SI  V 2-482 ALPHA 29-3 26-7 POD S  V 2-484 ALPHA 29-3 32-7 32-2 31-7 32-2 31-7 32-2 31-7	PTH AZ -66.219 115.31  SCALE PT-P 0. 1- 18.00319 2- 25.21040 3- 24.33836 4- 26.11359 5- 23.15331 6- CQUENCE NO 85;  PTH AZ -66.190 115.31  SCALE PT-P 0. 1- 17.77844 2- 24.81215 3- 23.95492 4- 25.69998 5- 22.78953 6-  EQUENCE NO 85;	7 55 19 T 234.5 6.7 7 11 T 234.5 6.7 69 4 T 234.5

	RA-VII CAMERA	P4		
	TAB NO	97 ATLAS	PHOTO NO 97	POD SEQUENCE NO 861
JULY 31,1964 13 HR 24 MIN 9 SEC 898 MS				
TRAJECTORY DATA	SEC TO IMPACT 98.901	ALT LAT 228.70842 -9.24	LON 1 -23.609 1964	R V PTH AZ -164 2.486 -66.130 115.296
PHOTO DATA PT LAT LCN RANGE AZS/C AZN			ZPHAZ INCO PHAZ E	
PT LAT LCN RANGE AZS/C AZN	-81.0 31.8	5.34516 0.839	-88.1 68.5 38.3 3	2.9 29.3 0. 1-2
2 -11.040 -19.727 266.13971 -58.2 10.6 3 -10.706 -20.194 257.44705 -59.7 9.7	-79.9 31.5	5.16218 0.874	-85.4 68.0 40.7 2	9.2 26.7 1/.20843 4-3
4 -10.654 -19.389 268.90722 -63.8 10.8	-79.6 30.5	5.39055 0.830	-85.0 68.8 36.1 3	34.0 32.2 24.01472 3- 4
5 -11-401 -19-219 276-59748 -57-0 11-5	-82.2 32.1	5.54617 0.803	-91.1 69.0 36.0 3	
6 -11.422 -20.057 264.42866 -52.3 10.3	-82.2 33.2	5.30079 0.847	-91.0 68.2 40.6	32.3 26.2 24.87192 5- 6 29.2 26.7 22.06111 6- 7
7 -10.706 -20.194 257.44705 -59.7 9.7	-79.9 31.5	5.16218 0.874	-85.4 68.0 40.7 4	29.2 28.7 22.00111 6- 7
JULY 31,1964 13 FR 24 MIN 11 SEC 578 MS	TAB NO	98 ATLAS	PHOTO NO 98	POD SEQUENCE NO 863
	SEC TO IMPACT. 97.221	ALT LAT 224.88829 -9.26	2 -23.564 1966	R V PTH AZ 0.344 2.488 -66.100 115.288
PHUTO DATA	AZ SIIN AZ A	A+ R/A A	7PHAZ INCO PHAZ S	MIS ALPHA SCALE PT-PT
PT LAT LCN RANGE AZS/C AZN 2 -11.035 -19.739 261.74824 -58.2 10.6 3 -10.706 -20.199 253.20188 -59.7 9.7 4 -10.654 -19.408 264.46698 -63.8 10.8	-81.0 31.B	5.25696 0.839	ZPHAZ INCD PHAZ ( -88.1 68.5 38.3	32.9 29.3 0. 1-2
3 -10.706 -20.199 253.20188 -59.7 9.7	-79.9 31.5	5-07706 0-874	-85.4 68.0 40./	29.2 20.1 10.92312 2-3
4 -10.654 -19.408 264.46698 -63.8 10.8	-79.6. 30.5 _	5,30155.0.831	-65.0 68.7.36.1	34.0 32.2 23.61561 3- 4 36.7 31.7 22.80269 4- 5
5 -11.389 -19.240 272.02618 -57.0 11.5	-82.1 32.1	5.45451 0.803	-91.1 69.0 36.0 -91.0 68.2 40.6	36.7 31.7 22.80269 4-5 32.2 26.2 24.45754 5-6
6 -11.410 -20.064 260.06583 -52.3 10.3	-82.1 32.1 -82.2 33.2 -79.9 31.5	5.21333 0.847	-91.0 68.2 40.6 . -85.4 68.0 40.7	29.2 26.7 21.69649 6- 7
7 -10.706 -20.199 253.20188 -59.7 9.7				
JULY 31,1964 13 HR 24 MIN. 13 SEC. 258. MS	TAB NO		PHOTO NO 99	POD SEQUENCE NO 865
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT	LCN	R V PTH AZ 6.521 2.490 -66.070 115.280
PT LAT LON RANGE AZS/C AZN 2 -11.024 -19.752 257.35256 -58.2 10.6 3 -10.705 -20.204 248.95258 -59.7 9.7	AZ SUN AZ A	A+ B/A A	ZPHAZ INCO PHAZ	EMIS ALPHA SCALE PT-PT 32.9 29.3 0 1-2
2 -11.029 -19.752 257.35256 -58.2 10.6	-81.0 31.8	5.16868 O.84C	-88.1 68.4_38.3_	32.9 29.3 0. 1-2
3 -10.705 -20.204 248.95258 -59.7 9.7	-79.9 31.5	5.21246 0.831	-85.4 68.0 40.7	29.2 26.7 16.63754 2- 3 34.0 32.1 23.21619 3- 4
4 -10.655 -19.426 260.02258 -63.8 10.8	-19.6 30.3	5.36276 0.803	-85.0 68.7 36.1 -91.1 69.0 36.0	36.7 31.6 22.41795 4-5
5 -11.377 -19.262 267.45071 -57.0 11.5 6 -11.397 -20.071 255.69880 -52.3 10.2	-82-2 33-2	5.12579 0.847	-91.0 68.2 40.6	32.2 26.2 24.04285 5-6
7 -10.705 -20.204 248.95258 -59.7 9.7	-79.9 31.5	4.99185 C.874	-85.4 68.0 40.7	29.2 26.7 21.33135 6- 7
	TAB NO	100 ATLA	S PHOTO NO 100	POD SEQUENCE NO 867
JULY 31,1964 13 HR 24 MIN 14 SEC 938 MS	120 140	100 A1DA	5 FN010 NO 100	100 0000
	93.861	ALT LAT 217.24152 -9.30	LCN 04 -23.473 195	R V PTH AZ 2.697 2.492 -66.040 115.272
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -11.023 -19.765 252.95258 -58.2 10.66 3 -10.705 -20.209 244.69901 -59.7 9.7 4 -10.655 -19.445 255.57377 -63.8 10.8 5 -11.365 -19.283 262.87105 -56.9 11.5				OT DY
PT LAT LON RANGE AZS/C AZN	AZ SUN AZ A	A+ 8/A	ZPHAZ INCD PHAZ -88.1 68.4 38.3	22.9 29.3 0. 1-2 29.2 26.7 16.35177 2-3 33.9 32.1 22.81639 3-4 36.6 31.6 22.03305 4-5
2 -11.023 -19.765 252.95258 -58.2 10.6	-80.9 31.8	5.08031 0.840	-85.4 68.0 40.7	29.2 26.7 16.35177 2- 3
3 -10.705 -20.209 244.69901 -59.7 9.7	-79.6 30.5	5-12328 0-831	-85.0 68.7 36.1	33.9 32.1 22.81639 3- 4
5 =11.365 =19.283 262.87105 =56.9 11.5	-82.1 32.1	5.27094 0.804	-85.0 68.7 36.1 -91.1 68.9 36.0	
6 -11.385 -20.079 251.32766 -52.3 10.2	-82.2 33.1		-91.0 68.2 40.6	32.2 26.2 23.02183 3-0
7 -10.705 -20.209 244.69901 -59.7 9.7	-79.9 31.5	4.90656 0.874	-85.4 68.0 40.7	29.2 26.7 20.96613 6- 7
	TAB NO	101 ATLA	PHOTO NO 101	POD SEQUENCE NO 869
JULY 31,1964 13 HR 24 MIN 16 SEC 618 MS				·
TRAJECTORY DATA	SEC .O IMPACT 92.181	ALT LAT 213.41492 -9.3	LON 26 -23.427 194	R V PTH AZ 8.870 2.494 -66.010 115.264
PHOTO DATA			AZPHAZ INCO PHAZ	
PT LAT LCN RANGE AZS/C AZN 2 -11.017 -19.778 248.54840 -58.2 10.6	80-9 31.0	4-49184 D.847	-88.1 68.4 38.3	32.9 29.3 0. 1-2
3 -10.704 -20.215 240.44131 -59.7 9.3	-79.9 31.5	4.82119 0.874	-85.4 68.0 40.7	29.2 26.7 16.06574 2- 3
4 -10.655 -19.463 251.12074 -63.8 10.6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5.034C1 0.831	-85.0 68.7 36.1 -91.1 68.9 36.0	33.9 32.1 22.41628 3- 4
5 -11.353 -19.305 258.28722 -56.9 11.5	-82.1 32.1	5.17902 0.804	-91.1 68.9 36.0	36.6 31.6 21.64775 4- 5
6 -11.373 -20.086 246.95243 -52.3 10.2	0241 3241			32.2 26.2 23.21254 5- 6
7 -10.704 -20.215 240.44131 -59.7 9.7	-82.2 33.1	4.95046 0.848	-91.0 68.1 40.6	
	-82.2 33.1 -79.9 31.5	4.95046 0.848 4.82119 0.874	-85.4 68.0 40.7	29.2 26.7 20.60050 6- 7
.Huty 31.1964 13 HR 24 MIN 18 SEC 298 MS	-82.2 33.1 -79.9 31.5	4.95046 0.848 4.82119 0.874	-85.4 68.0 40.7 AS PHOTO NO 102	29.2 26.7 20.60050 6- 7
JULY 31,1964 13 HR 24 MIN 18 SEC 298 MS	-82.2 33.1 -79.9 31.5 TAB NO	4.95046 C.848 4.82119 C.874	AS PHOTO NO 102	29.2 26.7 20.60050 6- 7  POD SEQUENCE NO 871
TRAJECTORY DATA	-82.2 33.1 -79.9 31.5 TAB NO	4.95046 C.848 4.82119 C.874	AS PHOTO NO 102	29.2 26.7 20.60050 6- 7
TRAJECTORY DATA	-82.2 33.1 -79.9 31.5 TAB NO	4.95046 C.848 4.82119 C.874 102 ATL/ ALT LAT 209.58632 -9.3	LON 47 -23.381 194	29.2 26.7 20.60050 6-7  POD SEQUENCE NO 871  R V PTH AZ 45.042 2.496 -65.979 115.256  EMIS ALPHA SCALE PT-PT
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZI 2 11 011 -19 791 264 14021 -58-2 10-	SEC TO IMPACT 90.502  A AZSUN AZA 8 -80.9 31.8	4.95046 0.848 4.82119 0.874  102 ATL  ALT LAT 209.58632 -9.3 A. B/A	LON 47 -23.381 194 AZPHAZ INCO PHAZ	29.2 26.7 20.60050 6-7  POD SEQUENCE NO 871  R V PTH AZ 45.042 2.496 -65.979 115.256  EMIS ALPHA SCALE PT-PT 32.9 29.2 0. 1-2
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZI 2 11 011 -19 791 264 14021 -58-2 10-	SEC TO IMPACT 90.502  A AZSUN AZA 8 -80.9 31.8	4.95046 0.848 4.82119 0.874  102 ATL  ALT LAT 209.58632 -9.3 A. B/A	LON 47 -23.381 194 AZPHAZ INCO PHAZ	29.2 26.7 20.60050 6-7  POD SEQUENCE NO 871  R V PTH AZ 45.042 2.496 -65.979 115.256  EMIS ALPHA SCALE PT-PT 32.9 29.2 0. 1-2
TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZT 2 -11-011 -19-791 244-14021 -58-2 10-1 3 -10-704 -20-220 236-17963 -59-6 9-1 4 -10-55 -19-482 246-6477 -63-7 10-1	-82.2 33.1 -79.9 31.5 TAB NO SEC 10 IPPACT 90.502 AZSUN AZA 3 -80.9 31.8 -79.9 31.5	4.95046 0.848 4.82119 0.874  102 ATL  ALT LAT 209.58632 -9.3 A. B/A	LON 47 -23.381 194 AZPHAZ INCO PHAZ	29.2 26.7 20.60050 6-7  POD SEQUENCE NO 871  R V PTH AZ 45.042 2.496 -65.979 115.256  EMIS ALPHA SCALE PT-PT 32.9 29.2 0. 1-2 29.2 26.7 15.77945 2-3 3.9 32.1 22.01589 3-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ/ 2 -11.011 -19.791 244.14021 -58.2 10.3 3 -10.704 -20.220 236.17963 -59.6 9.6 4 -10.656 -19.482 246.66177 -63.7 10.1 5 -11.341 -19.326 253.69947 -56.9 11.3	-82.2 33.1 -79.9 31.5 TAB NO SEC TO IMPACT 90.502 AZSUN AZA -80.9 31.8 -79.9 31.5 -79.0 30.6 -82.1 32.1	A.95046 C.848 4.82119 O.874 102 ATL/ ALT LAT 209-58632 -9.3 A. 8/A 4.90332 C.84C 4.73514 C.874 4.94467 C.831	LON 47 -23.381 19. AZPHAZ INCO PHAZ -88.1 68.4 38.3 -85.4 68.0 40.7 -85.0 68.7 36.1	29.2 26.7 20.60050 6-7  POD SEQUENCE NO 871  R V PTH AZ 45.042 2.496 -65.979 115.256  EMIS ALPHA SCALE PT-PT 32.9 29.2 0. 1-2 29.2 26.7 15.77945 2-3 33.9 32.1 22.01589 3-4 36.6 31.6 21.02226 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZ/ 2 -11.011 -19.791 244.14021 -58.2 10.3 3 -10.704 -20.220 236.17963 -59.6 9.6 4 -10.656 -19.482 246.66177 -63.7 10.1 5 -11.341 -19.326 253.69947 -56.9 11.3	-82.2 33.1 -79.9 31.5 TAB NO SEC 10 IPPACT 90.502 AZSUN AZA 3 -80.9 31.8 -79.9 31.5	A.95046 C.848 4.82119 O.874 102 ATL/ ALT LAT 209-58632 -9.3 A. 8/A 4.90332 C.84C 4.73514 C.874 4.94467 C.831	LON 47 -23.381 194 AZPHAZ INCO PHAZ	29.2 26.7 20.60050 6-7  POD SEQUENCE NO 871  R V PTH AZ 45.042 2.496 -65.979 115.256  EMIS ALPHA SCALE PT-PT 32.9 29.2 0. 1-2 29.2 26.7 15.77945 2-3 33.9 32.1 22.01589 3-4 36.6 31.6 21.02226 4-5

				RA-VI	I. CAMERA	1 P4							18
					TAB NO	103	ATLAS	РНОТО	NO	103	POD S	EQUENCE N	0 873
JULY 31,1964 13 HR	24 MIN 19.	SEC . 978	MS									EQUEITOE II	0 0/3
TRAJECTORY DATA				SEC TO	IMPACT	ALT 205, 7552	LAT	LO	N 225	, R	v	PTH . -65.949 ]	AZ.
PHOTO DATA PT LAT LON 2 -11.005 -19.804 3 -10.704 -20.225 4 -10.656 -19.501 5 -11.329 -19.348 6 -11.348 -20.101 7 -10.704 -20.225								7 -23.	333	1941.2		-65.949 [	15.248
2 -11-005 -19-804	239.72751	AZ\$/C	10.5	AZ SUN	AZA	4 01 4 70	B/A A	ZPHAZ	INCD	PHAZ EMI	ALPHA	SCALE	PT-PT
3 -10.704 -20.225	231.91352	-59.6	9.7	-79.9	31.5	4-65020	0.874	-85.4	67 0	38.3 32.0	29.2	0	12
4 -10.656 -19.501	242.20235	-63.7	10.8	-79.6	30.6	4.85523	C.831	-85.0	68.7	36.1 33.9	32.1	21.61518	3-4
5 -11.329 -19.348	249.10727	-56.9	11.4	-82.1	32.1	4.99495	0.804	-91.1	68.9	36.0 36.6	31.5	20.87637	4-5
7 ~10.704 ~20.101	238.18941	-52.3	10.2	-82 <u>-2</u> -79.9		4-77480	0.848	-91-0	68-1	40.6 32.	26.2	22.38113	5-6
. 200.0.	231171332	- 37.0	7.1				0.874	-85.4	67.9	40.7 29.2	2 26.7	19.86831	6- 7
JULY 31,1964 13 HR	24 MIN 21	SEC 658	MS		TAB NO	104	ATLA	S PHOTO	NO	104	POD :	SEQUENCE N	O 875
TRAJECTORY DATA				SEC TO.	IMPACI	AL T	LAT_		IN.	R.	v	PTH	<b>A</b> 7
PHOTO DATA				87.	.142	201.9223	3 -9.39	0 -23.	289	1937.37	78 2.500	PTH -65.918 1	15.240
PT LAT LON	RANGE	AZS/C	AZN	AZ SIIN	Δ7 Δ	۸۰	8/A A	70HA7	THER	DUAT ENT	AL DUA		
2 -10.999 -19.817	235.31075	-58.2	10.5	-80.9	31.8	4.72599	C.84C	-88-1	68.4	38.3 32.8	3 29.2	O.	1-2
3 -10.703 -20.231	227.64339	-59.6	9.7	-79.9	31.6	4.56457	0.874	-85.4	67.9	40.7 29.2	26.7	15.20622	2-3
6 -11 317 -10 370	23.7 • 136.96	63-7	-10-8.	-79.6		4.76572		-85.0	68.6	36.1.33.5	32.0	21.21421	3- 4
6 -11.336 -20.109	233.80160	-52.3	10.2	-82.1	32 - 1	4.90279	0.805	-91-1	68.8	36.0 36.5	31.5	20.49018	4- 5
PHOTO DATA PT LAT LON 2 -10.999 -19.817 3 -10.703 -20.231 4 -10.657 -19.519 5 -11.317 -19.370 6 -11.336 -20.109 7 -10.703 -20.231	227.64339	-59.6	9.7	-79.9	31.6	4.56457	0.874	-85.4	67.9	40.6 32.2	26.7	21.96502	5-6
JULY 31,1964 13 HR	24 MIN 23	SEC_338	MS		TAB NO	105		PHOTO			POD S	EQUENCE N	0 877
TRAJECTORY DATA				SEC TO	IMPACT	AL T	I A T	1.0	N	ь	v	DTU	4.7
				85	462	198.0870	8 -9.41	2 -23.	242	1933.54	2 2.502	PTH -65.888 1	15.232
PHOTO DATA	0.44.00												
2 -10-993 -19-831	230.88968	AZS/C	10 S	AZ SUN	AZA	A= ( (3330	B/A A	ZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	
3 -10.702 -20.236	223.36902	-59.6	9.7	-79.9	31.6	4.47887	0.874	-85 4	68.4	.38.3.32.6	29.2	0	1- 2
4 -10.657 -19.538	233.26731	-63.7	10.8	-79.6	30.6	4.67612	0.832	-84.9	68.6	36.1 33.9	32.0	14.91928	2- 3
5 -11.305 -19.392	239.91061	-56.9	11.4	-82.1	32.1	4.81055	0.805	-91.1	68.8	36.0 36.5	31.5	20.10369	4-5
6 -11.323 -20.117	229.40946	-52.3	10.2	-82.2	33.1	4.59879	0.848	-91.0	68.1	40.6 32.2	26.2	21.54868	5- 6
. 100.02 200230	223.30902	-39.0	9.1	-79.9	31.6	4.47887	0.874	-85.4	67.9	40.7 29.2	26.7	19.13485	6- 7
PHOTO DATA PT LAT LON 2 -10.993 -19.831 3 -10.702 -20.236 4 -10.577 -19.538 5 -11.305 -19.392 6 -11.323 -20.117 7 -10.702 -20.236				-79.9	31.6 TAB NO	4.47887	0.874 ATLAS	-85.4 : <b>PHOTO</b>	67.9 NO	40.7 29.2 106	26.7 POD S		
JULY 31,1964 13 HR				-79.9	TAB NO	4.47887 106	0.874	-85.4 PHOTO	67.9 <b>NO</b>	40.7 29.2 106	26.7 POD S	19.13485 EQUENCE N	
			MS		TAB NO	106	ATLAS	<b>РНОТО</b>	NO	106	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR	24 MIN 25	SEC 17	MS	SEC TO	IMPACT	106 ALT	ATLAS	FHOTO	NO N	106 P	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR	24 MIN 25	SEC 17	MS	SEC TO	IMPACT	106 ALT	ATLAS	FHOTO	NO N	106 P	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR	24 MIN 25	SEC 17	MS	SEC TO	IMPACT	106 ALT	ATLAS	FHOTO	NO N	106 P	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR	24 MIN 25	SEC 17	MS	SEC TO	IMPACT	106 ALT	ATLAS	FHOTO	NO N	106 P	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR	24 MIN 25	SEC 17	MS	SEC TO	IMPACT	106 ALT	ATLAS	FHOTO	NO N	106 P	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR	24 MIN 25	SEC 17	MS	SEC TO	IMPACT	106 ALT	ATLAS	FHOTO	NO N	106 P	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR	24 MIN 25	SEC 17	MS	SEC TO	IMPACT	106 ALT	ATLAS	FHOTO	NO N	106 P	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR	24 MIN 25	SEC 17	MS	SEC TO	IMPACT	106 ALT	ATLAS	FHOTO	NO N	106 P	POD S	EQUENCE N	0 879 -
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241	RANGE 226-46432 219-09041 228-7343 235-30590 225-01306 219-09041	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6	AZN 10.5 9.7 10.8 11.4 10.2	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	IMPACT	ALT 194.2496: A.54832 4.39307 4.58644 4.71822 4.51066 4.39307	B/A 0.841 0.841 0.875 0.805 0.805 0.805 0.875	ZPHAZ -86.1 -85.4 -84.9 -91.1 -91.0	NO 195 1NCD 68.3 67.9 68.6 68.8 68.1	R 1929-70 PHAZ ENIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2	POD S  V 05 2.504  ALPHA 29.2 26.7 32.0 31.5 26.2 26.7	EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR	RANGE 226-46432 219-09041 228-7343 235-30590 225-01306 219-09041	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6	AZN 10.5 9.7 10.8 11.4 10.2 9.7	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 30.6 32.1 33.1 31.6	ALT 194.2496 4.54832 4.393C7 4.58644 4.71822 4.51066 4.393C7	B/A A 0.841 0.875 C.832 0.805 C.848 0.875 ATLAS	LO 3 -23. ZPHAZ -86.1 -85.4 -84.9 -91.1 -91.0 -85.4 PHOTO	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMI3 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2	POD S  V 05 2.504  ALPHA 29.2 26.7 32.0 31.5 26.2 26.7  POD S	PTH -65.857 1  SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA	RANGE RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697	AZN 10.5 9.7 10.8 11.4 10.2 9.7	SEC TO 83. AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 32.1 33.1 31.6 TAB NO	ALT 194.2496: 4.54832 4.39307 4.58644 4.71822 4.39307 107	B/A A A A	ZPHAZ -88.1 -85.4 -84.9 -91.1 -91.0 -85.4	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMIS 38-3 32-8 40-7 29-2 36-1 33-8 36-0 36-5 40-6 32-1 40-7 29-2	POD S  V 05 2-504  ALPHA 2 29-2 26-7 32-0 31-5 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 881
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA	RANGE RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697	AZN 10.5 9.7 10.8 11.4 10.2 9.7	SEC TO 83. AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 32.1 33.1 31.6 TAB NO	ALT 194.2496: 4.54832 4.39307 4.58644 4.71822 4.39307 107	B/A A A A	ZPHAZ -88.1 -85.4 -84.9 -91.1 -91.0 -85.4	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMIS 38-3 32-8 40-7 29-2 36-1 33-8 36-0 36-5 40-6 32-1 40-7 29-2	POD S  V 05 2-504  ALPHA 2 29-2 26-7 32-0 31-5 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 881
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA	RANGE RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697	AZN 10.5 9.7 10.8 11.4 10.2 9.7	SEC TO 83. AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 32.1 33.1 31.6 TAB NO	ALT 194.2496: 4.54832 4.39307 4.58644 4.71822 4.39307 107	B/A A A A	ZPHAZ -88.1 -85.4 -84.9 -91.1 -91.0 -85.4	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMIS 38-3 32-8 40-7 29-2 36-1 33-8 36-0 36-5 40-6 32-1 40-7 29-2	POD S  V 05 2-504  ALPHA 2 29-2 26-7 32-0 31-5 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 881
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA	RANGE RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697	AZN 10.5 9.7 10.8 11.4 10.2 9.7	SEC TO 83. AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 32.1 33.1 31.6 TAB NO	ALT 194.2496: 4.54832 4.39307 4.58644 4.71822 4.39307 107	B/A A A A	ZPHAZ -88.1 -85.4 -84.9 -91.1 -91.0 -85.4	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMIS 38-3 32-8 40-7 29-2 36-1 33-8 36-0 36-5 40-6 32-1 40-7 29-2	POD S  V 05 2-504  ALPHA 2 29-2 26-7 32-0 31-5 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 881
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA	RANGE RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697	AZN 10.5 9.7 10.8 11.4 10.2 9.7	SEC TO 83. AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 32.1 33.1 31.6 TAB NO	ALT 194.2496: 4.54832 4.39307 4.58644 4.71822 4.39307 107	B/A A A A	ZPHAZ -88.1 -85.4 -84.9 -91.1 -91.0 -85.4	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMIS 38-3 32-8 40-7 29-2 36-1 33-8 36-0 36-5 40-6 32-1 40-7 29-2	POD S  V 05 2-504  ALPHA 2 29-2 26-7 32-0 31-5 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 881
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA	RANGE RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697	AZN 10.5 9.7 10.8 11.4 10.2 9.7	SEC TO 83. AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 32.1 33.1 31.6 TAB NO	ALT 194.2496: 4.54832 4.39307 4.58644 4.71822 4.39307 107	B/A A A A	ZPHAZ -88.1 -85.4 -84.9 -91.1 -91.0 -85.4	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMIS 38-3 32-8 40-7 29-2 36-1 33-8 36-0 36-5 40-6 32-1 40-7 29-2	POD S  V 05 2-504  ALPHA 2 29-2 26-7 32-0 31-5 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 881
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA	RANGE RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697	AZN 10.5 9.7 10.8 11.4 10.2 9.7	SEC TO 83. AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 32.1 33.1 31.6 TAB NO	ALT 194.2496: 4.54832 4.39307 4.58644 4.71822 4.39307 107	B/A A A A	ZPHAZ -88.1 -85.4 -84.9 -91.1 -91.0 -85.4	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMIS 38-3 32-8 40-7 29-2 36-1 33-8 36-0 36-5 40-6 32-1 40-7 29-2	POD S  V 05 2-504  ALPHA 2 29-2 26-7 32-0 31-5 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 881
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.293 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697	AZN 10.5 9.7 10.8 11.4 10.2 9.7	SEC TO 83. AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9	AZA 31.9 31.6 32.1 33.1 31.6 TAB NO	ALT 194.2496: 4.54832 4.39307 4.58644 4.71822 4.39307 107	B/A A A A	ZPHAZ -88.1 -85.4 -84.9 -91.1 -91.0 -85.4	NO 195 INCD 68.3 67.9 68.6 68.8 68.1 67.9	R 1929-70 PHAZ EMIS 38-3 32-8 40-7 29-2 36-1 33-8 36-0 36-5 40-6 32-1 40-7 29-2	POD S  V 05 2-504  ALPHA 2 29-2 26-7 32-0 31-5 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6 7 0 881
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2-10.986 -19.844 3-10.702 -20.241 4-10.657 -19.557 5-11.293 -19.413 6-11.311 -20.125 7-10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA  PHOTO DATA  PT LAT LON 2-10.980 -19.857 3-10.701 -20.247 4-10.657 -19.576 5-11.280 -19.435 6-11.280 -20.132 7-10.701 -20.247	RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 222.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -59.6	AZN 10.5 9.7 10.8 11.4 10.2 9.7 MS	AZ SUN 82. AZ SUN 80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9	IMPACT	ALT 194.2496. A. 4.54832 4.593307 4.58644 4.71822 4.51046 4.39307 ALT 190.4102: A. 4.45936 4.49648 4.62581 4.42454 4.2245 4.30720	ATLAS  B/A A 0.841 0.875 0.805 0.805 0.848 0.875 ATLAS  B/A A 0.841 0.875 0.805 0.808	ZPHAZ -86.1 -85.4 -81.0 -85.4 -81.0 -91.1 -91.0 -85.4 FPHOTO -23. ZPHAZ -84.9 -91.1 -91.0 -85.4	NO N 195 INCD 366-7-9 668-8 8 668-1-1 NO NO N 148 INCD 3668-6 668-8 668-8	R 1929.70 PHAZ EMIS 38.3 32.6 40.7 29.2 36.1 33.6 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925.86 PHAZ EMIS 38.3 32.8 40.7 29.2 40.7 29.2 40.7 29.2	POD S  V 15 2-504  ALPHA 29-2 26-7  32-0  40 2-506  ALPHA 29-2 26-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.7167 18.76766 EQUENCE N	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.986 - 19.844 3 -10.702 - 20.241 4 -10.657 - 19.557 5 -11.280 - 19.413 6 -11.311 - 20.125 7 -10.702 - 20.241  JULY 31,1964 13 HR  PHOTO DATA  PT LAT LCN 2 -10.980 - 19.857 3 -10.701 - 20.247 4 -10.657 - 19.576 5 -11.280 - 19.435 6 -11.298 - 20.122 7 -10.701 - 20.247  JULY 31,1964 13 HR	RANGE 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 222.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -59.6	AZN 10.5 9.7 10.8 11.4 10.2 9.7 MS	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9 -79.5 -82.1 -82.2 -79.9	IMPACT .782  AZA 31.9 31.6 30.6 32.1 33.1 .6 TAB NO	ALT 194.2496. 4.54832 4.39307 4.58644 4.71822 4.51046 4.39307 107 ALT 190.4102: 4.49648 4.425916 4.49648 4.62581 4.4245 4.30720	ATLAS  LAT 3 -9-43  B/A A 0.841 0.875 C.805 C.805 C.84E C.875  ATLAS	ZPHAZ -86.1 -85.4 -84.9 -91.1 -91.0 -85.4 S PHOTO 5 -23. ZPHAZ -88.1 -81.1 -91.1 -91.1 -91.0 -85.4 -84.9 -91.1 -91.0	NO N 195 INCD 3667.9 68.6 668.8 668.8 1.67.9 NO N 148 INCD 3668.6 668.8 1.67.9 NO NO	R 1929.70 PHAZ EMIS 38.3 32.6 40.7 29.2 36.1 33.6 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925.86 PHAZ EMIS 38.3 32.6 40.7 29.2 36.1 33.6 36.0 36.5 40.6 32.1 40.7 29.2	POD S  V  V  S 2-504  ALPHA  2 9-2  2 6-7  POD S  V  V  ALPHA  2 9-2  2 6-7  POD S  ALPHA  2 9-2  2 6-7  POD S  POD S	PTH -65.857 1  SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766 EQUENCE N  PTH -65.826 1 SCALE 0. 14.34463 20.00954 19.32970 20.71515 18.39995	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PI LAT LCN 2-10.986 -19.844 3-10.702 -20.241 4-10.657 -19.557 5-11.293 -19.413 6-11.311 -20.125 7-10.702 -20.241  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.980 -19.857 3-10.701 -20.247 4-10.657 -19.576 5-11.280 -19.435 6-11.280 -19.435 6-11.280 -19.435 6-11.280 -20.132 7-10.701 -20.247  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 226.46432 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 224.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -56.9 -63.7 -56.9 -63.7	AZN 10.5 9.7 10.8 11.4 10.2 9.7 10.8 10.5 9.7 10.8 10.5 9.7 10.8 9.7 10.8 9.7 10.8 9.7 MS	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9 SEC TO SE	IMPACT .782 AZA 31.9 31.6 30.6 32.1 33.1 5 TAB NO IMPACT 102 AZA 31.9 31.6 30.6 30.6 30.6 30.6 30.6 TAB NO IMPACT TAB NO	ALT 194.2496. A.54832 4.593307 4.58644 4.71822 4.451046 4.39307 ALT 190.4102: 4.46936 4.30720 4.49648 4.62581 4.4225 4.30720	ATLAS  LAT 3 -9.43  B/A A 0.841 0.875 C.832 C.848 C.875  ATLAS  LAT 3 -9.45  B/A A 0.841 0.875 C.832 C.848 0.875 ATLAS	ZPHAZ -88-1 -85-4 -81-91-0 -85-4 -91-1 -91-0 -85-4 -91-1 -91-0 -85-4 -84-9 -91-1 -91-0 -85-4 -84-9 -91-1	NO N 195 INCD 68.3 667.9 68.6 68.8 668.8 167.9 NO N 148 INCD 368.6 68.8 667.9 NO NO NO	106  R 1929-70  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925-86  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.7 29.2 107	POD S  V 05 2-504  ALPHA 2 9-2 2 26-7  POD S  V 6 2-506  ALPHA 2 9-2 2 6-7  POD S  V 7 2 6-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766 EQUENCE N PTH -65.826 1 SCALE 0. 13.4463 20.00954 19.32970 20.71515 18.39995	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 883
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PI LAT LCN 2-10.986 -19.844 3-10.702 -20.241 4-10.657 -19.557 5-11.293 -19.413 6-11.311 -20.125 7-10.702 -20.241  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.980 -19.857 3-10.701 -20.247 4-10.657 -19.576 5-11.280 -19.435 6-11.280 -19.435 6-11.280 -19.435 6-11.280 -20.132 7-10.701 -20.247  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 226.46432 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 224.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -56.9 -63.7 -56.9 -63.7	AZN 10.5 9.7 10.8 11.4 10.2 9.7 10.8 10.5 9.7 10.8 10.5 9.7 10.8 9.7 10.8 9.7 10.8 9.7 MS	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9 SEC TO SE	IMPACT .782 AZA 31.9 31.6 30.6 32.1 33.1 5 TAB NO IMPACT 102 AZA 31.9 31.6 30.6 30.6 30.6 30.6 30.6 TAB NO IMPACT TAB NO	ALT 194.2496. A.54832 4.593307 4.58644 4.71822 4.451046 4.39307 ALT 190.4102: 4.46936 4.30720 4.49648 4.62581 4.4225 4.30720	ATLAS  LAT 3 -9.43  B/A A 0.841 0.875 C.832 C.848 C.875  ATLAS  LAT 3 -9.45  B/A A 0.841 0.875 C.832 C.848 0.875 ATLAS	ZPHAZ -88-1 -85-4 -81-91-0 -85-4 -91-1 -91-0 -85-4 -91-1 -91-0 -85-4 -84-9 -91-1 -91-0 -85-4 -84-9 -91-1	NO N 195 INCD 68.3 667.9 68.6 68.8 668.8 167.9 NO N 148 INCD 368.6 68.8 667.9 NO NO NO	106  R 1929-70  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925-86  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.7 29.2 107	POD S  V 05 2-504  ALPHA 2 9-2 2 26-7  POD S  V 6 2-506  ALPHA 2 9-2 2 6-7  POD S  V 7 2 6-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766 EQUENCE N PTH -65.826 1 SCALE 0. 13.4463 20.00954 19.32970 20.71515 18.39995	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.986 -19.844 3-10.702 -20.241 4-10.657 -19.557 5-11.293 -19.413 6-11.311 -20.125 7-10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.980 -19.857 3-10.701 -20.247 4-10.657 -19.576 5-11.280 -19.435 6-11.280 -19.435 6-11.280 -19.435 6-11.280 -20.132 7-10.701 -20.247  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 226.46432 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 224.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -56.9 -63.7 -56.9 -63.7	AZN 10.5 9.7 10.8 11.4 10.2 9.7 10.8 10.5 9.7 10.8 10.5 9.7 10.8 9.7 10.8 9.7 10.8 9.7 MS	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9 SEC TO SE	IMPACT .782 AZA 31.9 31.6 30.6 32.1 33.1 5 TAB NO IMPACT 102 AZA 31.9 31.6 30.6 30.6 30.6 30.6 30.6 TAB NO IMPACT TAB NO	ALT 194.2496. A.54832 4.593307 4.58644 4.71822 4.451046 4.39307 ALT 190.4102: 4.46936 4.30720 4.49648 4.62581 4.4225 4.30720	ATLAS  LAT 3 -9.43  B/A A 0.841 0.875 C.832 C.848 C.875  ATLAS  LAT 3 -9.45  B/A A 0.841 0.875 C.832 C.848 0.875 ATLAS	ZPHAZ -88-1 -85-4 -81-91-0 -85-4 -91-1 -91-0 -85-4 -91-1 -91-0 -85-4 -84-9 -91-1 -91-0 -85-4 -84-9 -91-1	NO N 195 INCD 68.3 667.9 68.6 68.8 668.8 167.9 NO N 148 INCD 368.6 68.8 667.9 NO NO NO	106  R 1929-70  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925-86  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.7 29.2 107	POD S  V 05 2-504  ALPHA 2 9-2 2 26-7  POD S  V 6 2-506  ALPHA 2 9-2 2 6-7  POD S  V 7 2 6-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766 EQUENCE N PTH -65.826 1 SCALE 0. 13.4463 20.00954 19.32970 20.71515 18.39995	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.986 -19.844 3-10.702 -20.241 4-10.657 -19.557 5-11.293 -19.413 6-11.311 -20.125 7-10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.980 -19.857 3-10.701 -20.247 4-10.657 -19.576 5-11.280 -19.435 6-11.280 -19.435 6-11.280 -19.435 6-11.280 -20.132 7-10.701 -20.247  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 226.46432 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 224.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -56.9 -63.7 -56.9 -63.7	AZN 10.5 9.7 10.8 11.4 10.2 9.7 10.8 10.5 9.7 10.8 10.5 9.7 10.8 9.7 10.8 9.7 10.8 9.7 MS	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9 SEC TO SE	IMPACT .782 AZA 31.9 31.6 30.6 32.1 33.1 5 TAB NO IMPACT 102 AZA 31.9 31.6 30.6 30.6 30.6 30.6 30.6 TAB NO IMPACT TAB NO	ALT 194.2496. A.54832 4.593307 4.58644 4.71822 4.451046 4.39307 ALT 190.4102: 4.46936 4.30720 4.49648 4.62581 4.4225 4.30720	ATLAS  LAT 3 -9.43  B/A A 0.841 0.875 C.832 C.848 C.875  ATLAS  LAT 3 -9.45  B/A A 0.841 0.875 C.832 C.848 0.875 ATLAS	ZPHAZ -88-1 -85-4 -81-91-0 -85-4 -91-1 -91-0 -85-4 -91-1 -91-0 -85-4 -84-9 -91-1 -91-0 -85-4 -84-9 -91-1	NO N 195 INCD 68.3 667.9 68.6 68.8 668.8 167.9 NO N 148 INCD 368.6 68.8 667.9 NO NO NO	106  R 1929-70  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925-86  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.7 29.2 107	POD S  V 05 2-504  ALPHA 2 9-2 2 26-7  POD S  V 6 2-506  ALPHA 2 9-2 2 6-7  POD S  V 7 2 6-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766 EQUENCE N PTH -65.826 1 SCALE 0. 13.4463 20.00954 19.32970 20.71515 18.39995	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.986 -19.844 3-10.702 -20.241 4-10.657 -19.557 5-11.293 -19.413 6-11.311 -20.125 7-10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.980 -19.857 3-10.701 -20.247 4-10.657 -19.576 5-11.280 -19.435 6-11.280 -19.435 6-11.280 -19.435 6-11.280 -20.132 7-10.701 -20.247  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 226.46432 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 224.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -56.9 -63.7 -56.9 -63.7	AZN 10.5 9.7 10.8 11.4 10.2 9.7 10.8 10.5 9.7 10.8 10.5 9.7 10.8 9.7 10.8 9.7 10.8 9.7 MS	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9 SEC TO SE	IMPACT .782 AZA 31.9 31.6 30.6 32.1 33.1 5 TAB NO IMPACT 102 AZA 31.9 31.6 30.6 30.6 30.6 30.6 30.6 TAB NO IMPACT TAB NO	ALT 194.2496. A.54832 4.593307 4.58644 4.71822 4.451046 4.39307 ALT 190.4102: 4.46936 4.30720 4.49648 4.62581 4.4225 4.30720	ATLAS  LAT 3 -9.43  B/A A 0.841 0.875 C.832 C.848 C.875  ATLAS  LAT 3 -9.45  B/A A 0.841 0.875 C.832 C.848 0.875 ATLAS	ZPHAZ -88-1 -85-4 -81-91-0 -85-4 -91-1 -91-0 -85-4 -91-1 -91-0 -85-4 -84-9 -91-1 -91-0 -85-4 -84-9 -91-1	NO N 195 INCD 68.3 667.9 68.6 68.8 668.8 167.9 NO N 148 INCD 368.6 68.8 667.9 NO NO NO	106  R 1929-70  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925-86  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.7 29.2 107	POD S  V 05 2-504  ALPHA 2 9-2 2 26-7  POD S  V 6 2-506  ALPHA 2 9-2 2 6-7  POD S  V 7 2 6-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766 EQUENCE N PTH -65.826 1 SCALE 0. 13.4463 20.00954 19.32970 20.71515 18.39995	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.986 -19.844 3-10.702 -20.241 4-10.657 -19.557 5-11.293 -19.413 6-11.311 -20.125 7-10.702 -20.241  JULY 31,1964 13 HR  IRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2-10.980 -19.857 3-10.701 -20.247 4-10.657 -19.576 5-11.280 -19.435 6-11.280 -19.435 6-11.280 -19.435 6-11.280 -20.132 7-10.701 -20.247  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE 226.46432 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 224.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -56.9 -63.7 -56.9 -63.7	AZN 10.5 9.7 10.8 11.4 10.2 9.7 10.8 10.5 9.7 10.8 10.5 9.7 10.8 9.7 10.8 9.7 10.8 9.7 MS	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9 SEC TO SE	IMPACT .782 AZA 31.9 31.6 30.6 32.1 33.1 5 TAB NO IMPACT 102 AZA 31.9 31.6 30.6 30.6 30.6 30.6 30.6 TAB NO IMPACT TAB NO	ALT 194.2496. A.54832 4.593307 4.58644 4.71822 4.451046 4.39307 ALT 190.4102: 4.46936 4.30720 4.49648 4.62581 4.4225 4.30720	ATLAS  LAT 3 -9.43  B/A A 0.841 0.875 C.832 C.848 C.875  ATLAS  LAT 3 -9.45  B/A A 0.841 0.875 C.832 C.848 0.875 ATLAS	ZPHAZ -88-1 -85-4 -81-91-0 -85-4 -91-1 -91-0 -85-4 -91-1 -91-0 -85-4 -84-9 -91-1 -91-0 -85-4 -84-9 -91-1	NO N 195 INCD 68.3 667.9 68.6 68.8 668.8 167.9 NO N 148 INCD 368.6 68.8 667.9 NO NO NO	106  R 1929-70  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925-86  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.7 29.2 107	POD S  V 05 2-504  ALPHA 2 9-2 2 26-7  POD S  V 6 2-506  ALPHA 2 9-2 2 6-7  POD S  V 7 2 6-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766 EQUENCE N PTH -65.826 1 SCALE 0. 13.4463 20.00954 19.32970 20.71515 18.39995	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 883
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.986 -19.844 3 -10.702 -20.241 4 -10.657 -19.557 5 -11.280 -19.413 6 -11.311 -20.125 7 -10.702 -20.241  JULY 31,1964 13 HR  PHOTO DATA  PT LAT LCN 2 -10.980 -19.857 3 -10.701 -20.247 4 -10.657 -19.576 5 -11.280 -19.435 6 -11.298 -20.132 7 -10.701 -20.247  JULY 31,1964 13 HR	RANGE 226.46432 219.09041 228.79343 235.30590 225.01306 219.09041 24 MIN 26 RANGE 224.03493 214.80783 224.31561 230.69727 220.61263 214.80783	AZS/C -58.1 -59.6 -63.7 -56.9 -52.3 -59.6 SEC 697 AZS/C -58.1 -59.6 -63.7 -56.9 -63.7 -56.9 -63.7	AZN 10.5 9.7 10.8 11.4 10.2 9.7 10.8 10.5 9.7 10.8 10.5 9.7 10.8 9.7 10.8 9.7 10.8 9.7 MS	AZ SUN -80.9 -79.9 -79.5 -82.1 -82.2 -79.9 SEC TO 82. AZ SUN -80.9 -79.5 -82.1 -82.2 -79.9 SEC TO SE	IMPACT .782 AZA 31.9 31.6 30.6 32.1 33.1 5 TAB NO IMPACT 102 AZA 31.9 31.6 30.6 30.6 30.6 30.6 30.6 TAB NO IMPACT TAB NO	ALT 194.2496. A.54832 4.593307 4.58644 4.71822 4.451046 4.39307 ALT 190.4102: 4.46936 4.30720 4.49648 4.62581 4.4225 4.30720	ATLAS  LAT 3 -9.43  B/A A 0.841 0.875 C.832 C.848 C.875  ATLAS  LAT 3 -9.45  B/A A 0.841 0.875 C.832 C.848 0.875 ATLAS	ZPHAZ -88-1 -85-4 -81-91-0 -85-4 -91-1 -91-0 -85-4 -91-1 -91-0 -85-4 -84-9 -91-1 -91-0 -85-4 -84-9 -91-1	NO N 195 INCD 68.3 667.9 68.6 68.8 668.8 167.9 NO N 148 INCD 368.6 68.8 667.9 NO NO NO	106  R 1929-70  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.6 32.1 40.7 29.2 107  R 1925-86  PHAZ EMIS 38.3 32.8 40.7 29.2 36.1 33.8 36.0 36.5 40.7 29.2 107	POD S  V 05 2-504  ALPHA 2 9-2 2 26-7  POD S  V 6 2-506  ALPHA 2 9-2 2 6-7  POD S  V 7 2 6-7  POD S	PTH -65.857 1 SCALE 0. 14.63208 20.41135 19.71679 21.13204 18.76766 EQUENCE N PTH -65.826 1 SCALE 0. 13.4463 20.00954 19.32970 20.71515 18.39995	AZ 15.224 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 881 AZ 15.215 PT-PT 1-2 2-3 3-4 4-5 5-6-7 0 883

	RA-VIL CAMERA	<u>19</u>
	TAB NO	109 ATLAS PHOTO NO 109 POD SEQUENCE NO 885
JULY 31,1964 13 HR 24 MIN 30 SEC. 57 MS		
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON R V PTH AZ 182.72473 -9.499 -23.054 1918.180 2.510 -65.764 115.199
	10.172	102:12413 -3:433 23:034 17:20:200 2:520
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.968 -19.884 213.16085 -58.1 10.5 3 -10.700 -20.258 206.22786 -59.6 9.7 4 -10.658 -19.615 215.34477 -63.6 10.8 5 -11.256 -19.479 221.46442 -56.9 11.4	AZ SUN AZ A	A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.968 -19.884 213.10082 -20.1 10.2	-79.8 31.6	4.28113 0.841 -88.1 68.3 38.3 32.8 29.1 0. 1-2 4.13516 0.875 -85.4 67.9 40.7 29.2 26.7 13.76883 2-3
4 -10.658 -19.615 215.34477 -63.6 10.8	-79.5 30.7	4.31685 0.832 -84.9 68.5 36.1 33.8 31.9 19.20463 3- 4 4.44067 0.806 -91.1 68.7 36.0 36.4 31.4 18.55414 4- 5
5 -11.256 -19.479 221.46442 -56.9 11.4 6 -11.273 -20.148 211.79656 -52.4 10.2	-82.1 32.1	4.44067 0.806 -91.1 68.7 36.0 36.4 31.4 18.55414 4-5 4.24573 0.848 -91.0 68.1 40.6 32.1 26.1 19.88017 5-6
6 -11.273 -20.148 211.79656 -52.4 10.2 7 -10.700 -20.258 206.22786 -59.6 9.7	-79.8 31.6	4.13516 0.875 -85.4 67.9 40.7 29.2 26.7 17.66364 6- 7
	TAB NO	110 ATLAS PHOTO NO 110 POD SEQUENCE NO 887
JULY 31,1964 13 HR 24 MIN 31 SEC 737 MS	IAB RU	110 AIDAS FROID NO 110 100 0-Q-100 0-
		ALT LAT LON R V PTH AZ
TRAJECTORY DATA	77.062	ALT. LAI LUN R V PTH AZ 178.87857 -9.521 -23.006 1914.334 2.512 -65.733 115.190
PHOTO DATA		
PHUTU DATA PT LAT LON RANGE AZS/C AZN 2 -10.961 -19.898 208.71541 -58.1 10.5 3 -10.699 -20.264 201.92986 -59.6 9.7	-80.9 31.9	4.19185 C.841 -88.1 68.3 38.3 32.7 29.1 0. 1-2
3 -10.699 -20.264 201.92986 -59.6 9.7	-79.8 31.6	4.04898 C.875 -85.4 67.9 40.7 29.2 26.7 13.48034 2-4.22677 Q.833 -84.9 68.5 36.1 33.8 31.9 18.80145 3-4
6-11.260 -20.157 207.38019 -52.4 10.2	-82.1 32.2 -82.2 33.0 -79.8 31.6	4.15720 C.849 -91.0 68.1 4C.6 32.1 26.1 19.46192 5-
7 -10.699 -20.264 201.92986 -59.6 9.7	-79.8 31.6	4.04898 0.875 -85.4 67.9 40.7 29.2 26.7 17.29462 6-
	TAB NO	111 ATLAS PHOTO NO 111 POD SEQUENCE NO 889
JULY 31,1964 13 HR 24 MIN 33 SEC 417 MS		
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V 11H AZ 175.03C44 -9.543 -22.959 1910.486 2.514 -65.701 115.18
	75.382	
PHOTO DATA PT LAT LON RANGE AZS/C AZN	AZSUN AZA	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-P
2 -10.955 -19.912 204.26602 -58.1 10.5	-80.9 31.9	4.10249 0.841 -88.1 68.3 38.3 32.7 29.1 0. 1- 3.96272 0.875 -85.4 67.9 40.7 29.1 26.6 13.19159 2-
3 -10.698 -20.270 197.62795 -59.6 9.7 4 -10.658 -19.653 206.35333 -63.6 10.8	-79.8 31.6 -79.5 30.7	
5 -11.231 -19.524 212.21045 -56.9 11.4	-82.1 32.2	4.25512 C.807 -91.1 68.7 36.0 36.4 31.3 17.77000 4-
6 -11.248 -20.165 202.95988 -52.4 10.2	-82.2 33.0 -79.0 31.6	4.06859 0.849 -91.0 68.1 40.6 32.1 26.1 19.04347 5-3.96272 0.875 -85.4 67.9 40.7 29.1 26.6 16.92540 6-
7 -10 400 20 270 197.62795 -59.6 9.7		
JULY 31,1964 13 HR 24 MIN 35 SEC 97 MS	TAB NO	112 ATLAS PHOTO NO 112 POD SEQUENCE NO 89
10F4 3111404 13 WK 54 BIN 35 356 31 W2		
	SEC TO IMPACT	ALT LAT LON R V PTH AZ 171-18C01 -9.566 -22.911 1906.635 2.516 -65.670 115.17
	SEC TO IMPACT	171.18001 -9.566 -22.911 1906.635 2.516 -65.670 115.17
	SEC TO IMPACT	ALT LAT LON R V PTH AZ 171.18C01 -9.566 -22.911 1906.635 2.516 -65.670 115.17  A** B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-P 4.01304 0.841 -88.1 68.3 38.3 32.7 29.1 0. 1-
	SEC TO IMPACT	A• B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-P 4.01304 0.841 -88.1 68.3 38.3 32.7 29.1 0. 13.87674 0.875 -85.4 67.9 40.7 29.1 26.6 12.90267 2-
PHOTO DATA PT LAT LON RANGE AZS/C AZI 2 -10.949 -19.926 199.81229 -58.1 10. 3 -10.698 -20.276 193.32170 -59.6 9.	SEC TO IMPACT 73.703 N AZSUN AZA 5 -80.9 31.9 -79.8 31.6	A• B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-P 4.01304 0.841 -88.1 68.3 38.3 32.7 29.1 0. 13.87674 0.875 -85.4 67.9 40.7 29.1 26.6 12.90267 2-
PHOTO DATA PT LAT LON RANGE AZS/C AZI 2 -10.949 -19.926 199.81229 -58.1 10. 3 -10.698 -20.276 193.32170 -59.6 9.	SEC TO IMPACT 73.703 N AZSUN AZA 5 -80.9 31.9 -79.8 31.6	A• B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-P 4.01304 0.841 -88.1 68.3 38.3 32.7 29.1 0. 12.90267 2- 4.04636 0.833 -84.9 68.5 36.1 33.7 31.9 17.99428 3- 4.04636 0.833 -84.9 68.5 36.1 33.7 31.9 17.38789 4- 4.0222 0.807 -91.1 68.7 36.0 36.3 31.3 17.38789 4- 3.97989 6.849 -91.0 68.1 40.6 32.1 26.1 18.62476 5-
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PHOTO DATA PT LAT LON RANGE AZS/C AZY 2 -10.949 -19.926 199.81229 -58.1 10.3 3 -10.698 -20.276 193.32170 -59.6 9. 4 -10.658 -19.673 201.85139 -63.6 10.6 5 -11.219 -19.546 207.57730 -56.9 11.6 6 -11.235 -20.173 198.53521 -52.4 10.7 7 -10.698 -20.276 193.32170 -59.6 9.  JULY 31.1964 13 HR 24 MIN 36 SEC 777 MS  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C AZ 2 -10.942 -19.939 195.35536 -58.1 10.3 3 -10.697 -20.282 189.01130 -59.6 9. 4 -10.658 -19.692 197.34534 -63.6 10.5 5 -11.206 -19.569 202.94003 -56.9 11.6 6 -11.222 -20.181 194.10635 -52.4 10.7 7 -10.697 -20.282 189.01130 -59.6 9.  JULY 31,1964 13 HR 24 MIN 38 SEC 457 MS  TRAJECTORY DATA PHOTO DATA	SEC TO IMPACT 73.703  4 AZSUN AZA 6.80.9 31.9 7-79.8 31.6 7-79.5 30.7 7-79.8 31.6 TAB NO  SEC TO IMPACT 72.023  N AZSUN AZA AZA 8.5 -80.9 31.9 7-79.8 31.6 72.023  N AZSUN AZA AZA 8.5 -80.9 31.9 7-79.8 31.6 72.023  N AZSUN AZA N AZA 8.5 -80.1 32.2 2-82.2 33.0 8 7-79.8 31.6 7-79.8 31.6 TAB NO  SEC TO IMPACT 70.343	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-P (4.01304 0.841 -88-1 68-3 38-3 32-7 29-1 0. 12-90267 2-4.04636 0.835 -85-4 67-9 40.7 29-1 26-6 12-90267 2-4.04636 0.833 -84-9 68-5 36-1 33-7 31-9 17-99428 3-3.97859 0.849 -91-10 68-7 36-0 36-3 31-3 17-38789 4-3.87638 0.875 -85-4 67-9 40-7 29-1 26-6 16-55576 6-1 113 ATLAS PHOTO NO 113 POD SEQUENCE NO 89 ALT LAT LCN R V PTH AZ 167-32738 -9-588 -22-863 1902-783 2-518 -65-638 115-16 3-3-2318 0.842 -88-1 68-3 38-3 32-7 29-1 0. 1-3.76955 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.832 -88-1 68-3 38-3 32-7 29-1 0. 1-3.76955 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.832 -84-9 68-5 36-1 33-7 31-8 17-59029 3-4.06924 0.807 -91-1 68-6 36-0 36-3 31-3 16-9841 4-3.89111 0.849 -91-0 68-0 40-6 32-0 26-1 18-20580 5-3.78995 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.833 -84-9 68-5 36-1 33-7 31-8 17-59029 3-4.06924 0.807 -91-1 68-6 36-0 36-3 31-3 16-9841 4-3.89111 0.849 -91-0 68-0 40-6 32-0 26-1 18-20580 5-3.78995 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-50 13-01352 2-50 114 ATLAS PHOTO NO 114 POD SEQUENCE NO 89 ALT LAT LON R V PTH AZ 163-47249 -9-610 -22-814 1898-928 2-520 -65-607 115-1
PHOTO DATA PT LAT LON RANGE AZS/C AZY 2 -10.949 -19.926 199.81229 -58.1 10.3 3 -10.698 -20.276 193.32170 -59.6 9. 4 -10.658 -19.673 201.85139 -63.6 10.6 5 -11.219 -19.546 207.57730 -56.9 11.6 6 -11.235 -20.173 198.53521 -52.4 10.7 7 -10.698 -20.276 193.32170 -59.6 9.  JULY 31.1964 13 HR 24 MIN 36 SEC 777 MS  TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C AZ 2 -10.942 -19.939 195.35536 -58.1 10.3 3 -10.697 -20.282 189.01130 -59.6 9. 4 -10.658 -19.692 197.34534 -63.6 10.5 5 -11.206 -19.569 202.94003 -56.9 11.6 6 -11.222 -20.181 194.10635 -52.4 10.7 7 -10.697 -20.282 189.01130 -59.6 9.  JULY 31,1964 13 HR 24 MIN 38 SEC 457 MS  TRAJECTORY DATA PHOTO DATA	SEC TO IMPACT 73.703  4 AZSUN AZA 6.80.9 31.9 7-79.8 31.6 7-79.5 30.7 7-79.8 31.6 TAB NO  SEC TO IMPACT 72.023  N AZSUN AZA AZA 8.5 -80.9 31.9 7-79.8 31.6 72.023  N AZSUN AZA AZA 8.5 -80.9 31.9 7-79.8 31.6 72.023  N AZSUN AZA N AZA 8.5 -80.1 32.2 2-82.2 33.0 8 7-79.8 31.6 7-79.8 31.6 TAB NO  SEC TO IMPACT 70.343	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-P (4.01304 0.841 -88-1 68-3 38-3 32-7 29-1 0. 12-90267 2-4.04636 0.835 -85-4 67-9 40.7 29-1 26-6 12-90267 2-4.04636 0.833 -84-9 68-5 36-1 33-7 31-9 17-99428 3-3.97859 0.849 -91-10 68-7 36-0 36-3 31-3 17-38789 4-3.87638 0.875 -85-4 67-9 40-7 29-1 26-6 16-55576 6-1 113 ATLAS PHOTO NO 113 POD SEQUENCE NO 89 ALT LAT LCN R V PTH AZ 167-32738 -9-588 -22-863 1902-783 2-518 -65-638 115-16 3-3-2318 0.842 -88-1 68-3 38-3 32-7 29-1 0. 1-3.76955 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.832 -88-1 68-3 38-3 32-7 29-1 0. 1-3.76955 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.832 -84-9 68-5 36-1 33-7 31-8 17-59029 3-4.06924 0.807 -91-1 68-6 36-0 36-3 31-3 16-9841 4-3.89111 0.849 -91-0 68-0 40-6 32-0 26-1 18-20580 5-3.78995 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.833 -84-9 68-5 36-1 33-7 31-8 17-59029 3-4.06924 0.807 -91-1 68-6 36-0 36-3 31-3 16-9841 4-3.89111 0.849 -91-0 68-0 40-6 32-0 26-1 18-20580 5-3.78995 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-50 13-01352 2-50 114 ATLAS PHOTO NO 114 POD SEQUENCE NO 89 ALT LAT LON R V PTH AZ 163-47249 -9-610 -22-814 1898-928 2-520 -65-607 115-1
PHOTO DATA PT LAT LON RANGE AZS/C AZI 2 -10.949 -19.926 199.81229 -58.1 10.9 3 -10.698 -20.276 193.32170 -59.6 9. 4 -10.658 -19.673 201.85139 -63.6 10.6 5 -11.219 -19.546 207.57730 -56.9 11.6 6 -11.235 -20.173 198.53521 -52.4 10.7 7 -10.698 -20.276 193.32170 -59.6 9.  JULY 31,1964 13 HR 24 MIN 36 SEC 777 MS TRAJECTORY DATA PHOTO DATA PT LAT LON RANGE AZS/C AZ 2 -10.942 -19.939 195.35436 -58.1 10.3 3 -10.697 -20.282 189.01130 -59.6 9. 4 -10.658 -19.692 197.34534 -63.6 10.5 5 -11.206 -19.569 202.94003 -56.9 11.6 6 -11.222 -20.181 194.10635 -52.4 10.7 7 -10.697 -20.282 189.01130 -59.6 9.  JULY 31,1964 13 HR 24 MIN 38 SEC 457 MS TRAJECTORY DATA	SEC TO IMPACT 73.703  4 AZSUN AZA 6.80.9 31.9 7-79.8 31.6 7-79.5 30.7 7-79.8 31.6 TAB NO  SEC TO IMPACT 72.023  N AZSUN AZA AZA 8.5 -80.9 31.9 7-79.8 31.6 72.023  N AZSUN AZA AZA 8.5 -80.9 31.9 7-79.8 31.6 72.023  N AZSUN AZA N AZA 8.5 -80.1 32.2 2-82.2 33.0 8 7-79.8 31.6 7-79.8 31.6 TAB NO  SEC TO IMPACT 70.343	A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-P (4.01304 0.841 -88-1 68-3 38-3 32-7 29-1 0. 12-90267 2-4.04636 0.835 -85-4 67-9 40.7 29-1 26-6 12-90267 2-4.04636 0.833 -84-9 68-5 36-1 33-7 31-9 17-99428 3-3.97859 0.849 -91-10 68-7 36-0 36-3 31-3 17-38789 4-3.87638 0.875 -85-4 67-9 40-7 29-1 26-6 16-55576 6-1 113 ATLAS PHOTO NO 113 POD SEQUENCE NO 89 ALT LAT LCN R V PTH AZ 167-32738 -9-588 -22-863 1902-783 2-518 -65-638 115-16 3-3-2318 0.842 -88-1 68-3 38-3 32-7 29-1 0. 1-3.76955 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.832 -88-1 68-3 38-3 32-7 29-1 0. 1-3.76955 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.832 -84-9 68-5 36-1 33-7 31-8 17-59029 3-4.06924 0.807 -91-1 68-6 36-0 36-3 31-3 16-9841 4-3.89111 0.849 -91-0 68-0 40-6 32-0 26-1 18-20580 5-3.78995 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-3.95603 0.833 -84-9 68-5 36-1 33-7 31-8 17-59029 3-4.06924 0.807 -91-1 68-6 36-0 36-3 31-3 16-9841 4-3.89111 0.849 -91-0 68-0 40-6 32-0 26-1 18-20580 5-3.78995 0.875 -85-4 67-9 40-7 29-1 26-6 12-01352 2-50 13-01352 2-50 114 ATLAS PHOTO NO 114 POD SEQUENCE NO 89 ALT LAT LON R V PTH AZ 163-47249 -9-610 -22-814 1898-928 2-520 -65-607 115-1

				RA-VI	CAMERA	P4						20
					TAR NO	115	PA ITA	PHOTO NO	116	DOD C	EQUENCE NO	907
JULY 31,1964 1	13 HR 24 MI	N 40 SEC 13	7 MS		1710	113	AILAS	PHOTO NO	115	POD 3	EQUENCE NO	897
TRAJECTORY DAT	ΓΑ			SEC TO	IMPACT	ALT	LAT	LON	R	٧	PTHA	Z
PHOTO DATA				68.	663	159.61540					-65.575 115	
PHOTO DATA PT LAT LC 2 -10.929 -19. 3 -10.695 -20. 4 -10.658 -19. 5 -11.181 -19. 6 -11.196 -20. 7 -10.695 -20.	ON RAN .967 186.4	GE AZS/C 2560 -58.1	AZN 10.5	AZ SUN -80.9	AZA 31.9	A# 2.7441R	B/A A.	ZPHAZ INC	D PHAZ EMIS	ALPHA	SCALE P 0. 12.03444 16.78150	T-PT
3 -10.695 -20.	294 180.3	7767 -59.5	9.7	-79.8	31.6	3.61683	0.875	-85.4 67.	9 40.7 29.1	26.6	12.03444	12 23
5 -11.181 -19.	614 193.6	5290 ~56.9	11.3	-19.5 -82.1	30.8	3.77512 3.883C2	0.834	-84.9 68. -91.1 68.	4 36.1 33.7 6 36.0 36.3	31.8 31.2	16.78150 16.21868	3- 4 4- 5
6 -11.196 -20. 7 -10.695 -20.	198 185.2	3575 -52.4 7767 -59.5	10.2	-82.2 -79.8	33.0	3.71329	0.849	-91.0 68.	0.40.6 32.0	26.1	17.36712	5- 6
. 101073 201	274 100.5		9.1			3.01003			9 40.7 29.1			6- 7
JULY 31,1964 1	13 HR 24 MI	N 41 SEC 81	6 MS		TAB NO	116	ATLAS	РНОТО НО	116	POD S	EQUENCE NO	899
TRAJECTORY DAT				CCC TO	INDACT							
				66.	983	155.75620	-9.65	10N 5 -22.717	1891.211	2.525	PIH A -65.543 115	.139
PHOTO DATA PT LAT LO 2 -10.923 -19. 3 -10.694 -20.	N RAN	IGE AZS/C	AZN	AZ SUN	AZA	A+	8/A A	7PHA7 INC	D PHAT FMIS	AI PHA	SCALE P	T-OT
2 -10.923 -19.	981 181.9	5492 ~58.1	10.5	-80.9	31.9	3.65439	0.842	-88.1 68.	D PHAZ EMIS 2 38.3 32.6 9 40.7 29.1	29.0	0. 11.74466	
4 -10.658 -19.	751 183.8	0201 -63.5	10.8	-79.8	30.8	3.53015	0.875	-85.4 67. -84.9 68.	9 40.7 29.1 4 36.1 33.6	26.6 31.8	11.74466	2- 3 3- 4
5 -11.168 -19.	637 189.0	0319 -56.9	11.3	-82.1	32.2	3.78978	C.808	-91.1 68.	6 36.0 36.2	31.2	15.82832	4- 5
4 -10.658 -19. 5 -11.168 -19. 6 -11.183 -20. 7 -10.694 -20.	300 176.0	15458 -59.5	9.7	-79.8	31.7	3.53015	0.875	-91.0 68. -85.4 67.	9 40.6 32.0	26.1 26.6	16.94744	
					TAR NO	117	ATI AS	PHOTO NO	117		EQUENCE NO	
JULY 31,1964 1	L3 .HR 24 .MI	N 43 SEC 49	6_MS									
TRAJECTURY DAT	ΓΑ			SEC TO	IMPACT	ALT	LAT	LON	R	٧	PTH A	Z
PHOTO DATA				65.	303	151.89465	-9.67	8 -22.668	1887.350	2.527	-65.511 115	•130
PT LAT LC		GE AZS/C		AZSUN	AZA	A.	B/A A	ZPHAZ INC	PHAZ EMIS	ALPHA		T-PT
2 -10.916 -19. 3 -10.693 -20.	306 171.7	2713 -59.5	9.7	-79.8	31.7	3.44337	0.842_	-88 <u>-168-</u>	2 38.3 32.6 9 40.7 29.1	29.0	11.45461	1-2
4 -10.658 -19.	771 179.2	7909 -63.5	10.8	-79.5	30.8	3.59368	0.834 -	-84_9 A8_	4 34.1 33.4	31 B	15.97157	3- 4
6 -11.170 -20.	215 176.3	4914 -56.9 4812 -52.4	10.1	-82.1 -82.3	32.2	3.69646	0.808 -	-91.1 68. -91.0 68.1	5 36.0 36.2 5 40.6 32.0	31.2	15.43758 16.52746	4- 5
2 -10.916 -19. 3 -10.693 -20. 4 -10.658 -19. 5 -11.156 -19. 6 -11.170 -20. 7 -10.693 -20.	306 171.7	2713 -59.5	9.7	-79.8	31.7	3.44337	0.875	-85.4 67.	9 40.7 29.1	26.6		3- 6 6- 7
					TAB NO	118	ATLAS	PHOTO NO			EQUENCE NO	903
JULY 31,1964 1	3 HR 24 MI		5 MS	_	TAB NO			PHOTO NO	118	POD S	•	
TRAJECTORY DAT	3 HR 24 MI	N 45 SEC 176	5 MS	SEC TO	TAB NO	ALT		PHOTO NO	118	POD S	•	
TRAJECTORY DAT	3 HR 24 MI	N 45 SEC 176	5 MS	SEC TO	TAB NO	ALT	LAT 7 -9.70	PHOTO NO	118 R 1883.486	POD S	PTH A.	Z •121
TRAJECTORY DAT	3 HR 24 MI	N 45 SEC 176	5 MS	SEC TO	TAB NO	ALT	LAT -9.70	PHOTO NO	118 1883.486	POD S	PTH A-65.479 115	Z •121 T-PT
TRAJECTORY DAT	3 HR 24 MI	N 45 SEC 176	5 MS	SEC TO	TAB NO	ALT	LAT -9.70	PHOTO NO	118 1883.486	POD S	PTH A. -65.479 115 SCALE P	Z •121 T-PT 1- 2
TRAJECTORY DAT	3 HR 24 MI	N 45 SEC 176	5 MS	SEC TO	TAB NO	ALT	LAT -9.70	PHOTO NO	118 1883.486	POD S	PTH A -65.479 115 SCALE P 0. 11.16482 15.56690	Z .121 T-PT 1- 2 2- 3 3- 4
TRAJECTORY DAT	3 HR 24 MI	N 45 SEC 176	5 MS	SEC TO	TAB NO	ALT	B/A A/C.842 - C.875 - C.834 - C.808 -	LCN 1 -22.619 ZPHAZ INCI -88.1 68. -85.4 67. -84.9 68.	R 1883.486 D PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 4 36.1 33.6 5 36.0 33.6	POD S 2.529 ALPHA 29.0 26.6 31.7	PTH A65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803	Z +121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
	3 HR 24 MI	N 45 SEC 176	5 MS	AZ SUN -80.9 -79.6 -79.5 -82.1 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7	ALT 148.03087 A• 3.47463 3.35658 3.50321 3.60315 3.44599 3.35658	B/A A/ C.842 - C.875 - C.834 - C.808 - O.85C - O.875 -	PHOTO NO  LCN 1 -22.619  ZPHAZ INC. 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.0 68. 85.4 67.	R 1883.486 D PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 4 36.1 33.6 5 36.0 36.2 5 40.6 32.0 9 40.7 29.1	POD S 2.529 ALPHA 29.0 26.6 31.7 31.2 26.0 26.6	PTH A -65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6
TRAJECTORY DATA PHOTO DATA PT LAT LO 2 -10.909 -20. 3 -10.992 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1	3 HR 24 MI  A  N  RAN  009 173.0 312 167.3 791 174.7 682 179.6 224 171.9 312 167.3	GE AZS/C 0432 -58.1 9869 -59.5 5613 -63.5 9551 -56.9 0144 -52.4 9869 -59.5	AZN 10.5 9.7 10.8 11.3 10.1 9.7	SEC TO 63.  AZ SUN -80.9 -79.6 -79.5 -82.1 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7  TAB NO	ALT 148.03087 A• 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658	B/A A/C.842 C.875 C.834 C.808 C.875 C.834 C.808 C.875	PHOTO NO  LGN 1 -22.619  2PHAZ INC. 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.1 68. 85.4 67.  PHOTO NO	118  R  1883.486  D PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 4 36.1 33.6 5 36.0 36.2 1 40.6 32.0 9 40.7 29.1	POD S  V 2.529  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6  POD S	PTH A -65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172  EQUENCE NO	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
TRAJECTORY DATA PHOTO DATA PT LAT LC 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.	3 HR 24 MI  A  N  RAN  009 173.0 312 167.3 791 174.7 682 179.6 224 171.9 312 167.3	GE AZS/C 0432 -58.1 9869 -59.5 5613 -63.5 9551 -56.9 0144 -52.4 9869 -59.5	AZN 10.5 9.7 10.8 11.3 10.1 9.7	SEC TO 63.  AZ SUN -80.9 -79.8 -79.8 -82.1 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7  TAB NO	ALT 148.03087 A• 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658	B/A A/C.842 C.875 C.834 C.808 C.875 C.834 C.808 C.875	PHOTO NO  LGN 1 -22.619  2PHAZ INC. 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.1 68. 85.4 67.  PHOTO NO	118  R  1883.486  D PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 4 36.1 33.6 5 36.0 36.2 1 40.6 32.0 9 40.7 29.1	POD S  V 2.529  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6  POD S	PTH A -65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172  EQUENCE NO	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
TRAJECTORY DATA PHOTO DATA PT LAT	3 HR 24 MI  N RAM .009 173.0 312 167.3 791 174.7 682 179.6 224 171.9 312 167.3 3 HR 24 MI	GE AZS/C 04-32 -58-1 9869 -59-5 5613 -63-5 9551 -56-9 9589 -59-5 N 46 SEC 850	AZN 10-5 9-7 10-8 11-3 10-1 9-7	SEC TO 63.  AZ SUN -80.9 -79.8 -79.5 -82.1 -82.3 -79.8  SEC TO 61.	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7  TAB NO	ALT 148.03087 A• 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658	B/A A/C.842 C.875 C.834 C.808 C.875 C.834 C.808 C.875	PHOTO NO  LGN 1 -22.619  2PHAZ INC. 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.1 68. 85.4 67.  PHOTO NO	118  R  1883.486  D PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 4 36.1 33.6 5 36.0 36.2 1 40.6 32.0 9 40.7 29.1	POD S  V 2.529  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6  POD S	PTH A -65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
TRAJECTORY DATA PHOTO DATA PT LAT	3 HR 24 MI  N RAM .009 173.0 312 167.3 791 174.7 682 179.6 224 171.9 312 167.3 3 HR 24 MI	GE AZS/C 04-32 -58-1 9869 -59-5 5613 -63-5 9551 -56-9 9589 -59-5 N 46 SEC 850	AZN 10-5 9-7 10-8 11-3 10-1 9-7	SEC TO 63.  AZ SUN -80.9 -79.8 -79.5 -82.1 -82.3 -79.8  SEC TO 61.	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7  TAB NO	ALT 148.03081 3.47463 3.35658 3.50321 3.60315 3.44599 3.35658 119	B/A A/C.842 - C.874 - C.834 - C.834 - C.808 - C.875 - ATLAS	PHOTO NO  1 -22.619  2PHAZ INC. 88.1 68. 85.4 67. 84.9 68. 91.0 68. 91.0 68. 65.4 67.  PHOTO NO	118  R  1883.486  PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 4 36.1 33.6 5 36.0 36.2 1 49.6 32.0 9 40.7 29.1 119  R  1879.620	POD S  V 2.529  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6 POD S	PTH A -65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172 EQUENCE NO  PTH A -65.446 115  SCALE P	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 905
TRAJECTORY DATA PHOTO DATA PT LAT	3 HR 24 MI  N RAM 009 173.0 312 167.3 791 174.7 682 171.9 312 167.3 3 HR 24 MI  A RAM 023 168.5	GE AZS/C 04-32 -58-1 9869 -59-5 5613 -63-5 9551 -56-9 9869 -59-5 N 46 SEC 850 GE AZS/C 2513 -58-1 6644 -59-6	AZN 10.5 9.7 10.8 11.3 19.7 6 MS	SEC TO 63.  AZ SUN -80.9 -79.5 -82.1 -82.3 -79.8  SEC TO 61.  AZ SUN -80.9 -79.8	IMPACT 623  AZA 31.9 31.7 30.9 32.2 _33.0 31.7  TAB NO  IMPACT 943  AZA 31.9	ALT 148.03081 3.47463 3.35658 3.50321 3.60315 3.44599 3.35658 119	B/A A/C.842 - C.8642 - C.875 - C.834 - C.808 - C.875 - ATLAS	PHOTO NO  1 - 22.619  2 - 619  2 - 619  2 - 619  3 - 22.619  2 - 619  4 - 619  4 - 619  4 - 619  4 - 619  5 - 619  6 - 6	118  R 1883.486 D PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 119  R 1879.620 C PHAZ EMIS 2 38.3 32.6	POD S  V 2.529  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6  POD S  V 2.531  ALPHA 29.0 26.6	PTH A -65.4479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172  EQUENCE NO  PTH A -65.446 115  SCALE P 0.	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6 6- 7 905 Z .112 T-PT 1- 2
TRAJECTORY DATA PI LAT LO 2 -10.909 -20. 3 -10.992 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY DATA PI LAT LO 2 -10.903 -20. 3 -10.901 -20. 4 -10.558 -19.	3 HR 24 MI  A  N RAN 009 173.0 312 167.3 791 174.7 682 179.6 224 171.9 312 167.3 3 HR 24 MI  A  N RAN 023 168.5 318 163.0	GE AZS/C 04-32 -58-1 9869 -59-5 5613 -63-5 9551 -56-9 9751 -56-9 9869 -59-5 N 46 SEC 850 GE AZS/C 2513 -58-1 6648 -59-5 2900 -35-5	AZN 10.5 9.7 10.8 11.3 19.7 6 MS	SEC TO 63.  AZ SUN 63.  SEC TO 61.  AZ SUN 61.	IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7 TAB NO  IMPACT 943  AZA 31.9 31.7	ALT 148.03081 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658 119 ALT 144.16487 A. 3.38467 3.26972 3.41247	LAT -9.70:  8/A A:  C.842 -  C.834 -  C.834 -  C.805 -  ATLAS  LAT -9.72:  B/A A:  C.842 -  C.875 -  B/A A:  C.842 -  C.875 -  B/A A:	PHOTO NO  1 -22.619  2PHAZ INCI 88.1 68 85.4 67 84.9 68 91.0 68 85.4 67 PHOTO NO  2PHAZ INCI 28.570  2PHAZ INCI 88.1 68 85.4 67	118  R  R  1883.486  PHAZ EMIS  2 38.3 32.6  9 40.7 29.1  4 36.1 33.6  5 36.0 36.2  1 40.6 32.0  9 40.7 29.1  119  R  1879.620  C PHAZ EMIS  2 38.3 32.6  9 40.7 29.1	POD S  V 2.529  ALPHA 29.0 26.6 31.7 26.0 26.6 POD S  V 2.531  ALPHA 29.0 26.6 31.7 31.7 31.7 31.7 31.7 31.7 31.7 31.7	PTH A -65.4479 115  SCALE P 0. 11.1646 15.56690 15.04715 16.10803 14.33172  EQUENCE NO  PTH A -65.446 115  SCALE P 0. 10.87490 15.16205	Z .121 T-PT 1- 2 2- 3 3- 4- 5 5- 6- 7 905 Z .112 T-PT 1- 2 2- 3 3- 4
TRAJECTORY DATA PT LAT LO 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LAT LAT LAT LAT LAT LAT LAT LAT LA	3 HR 24 MI  N RAM 009 173.0 312 167.3 791 174.7 682 174.7 682 174.7 312 167.3 3 HR 24 MI  A  N RAM 023 168.5 318 163.0 170.2 704 175.0 704 175.0 704 175.0	GE AZS/C 04-32 -58-1 9869 -59-5 5013 -63-5 9814 -52-4 9869 -59-5 N 46 SEC 856 GE AZS/C 2513 -58-1 6648 -59-5 3839 -56-9	AZN 10-5 9-7 10-8 11-3 19-1 9-7 6 MS	SEC TO 63.  AZ SUN -80.9 -79.8 -79.8 -79.8 -79.8 SEC TO 61.  AZ SUN -80.9 -79.8 -79.8	TAB NO  IMPACT 623  AZA 31.9 30.9 32.2 33.0 31.7  TAB NO  IMPACT 943  AZA 31.9 31.7  30.9 31.7	ALT 148.03081 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658 119 ALT 144.16487 4.38467 2.2667 3.41247 3.55977 3.41247 3.35677	LAT -9.70:  B/A A:  C.842 C.875 -  C.834 -  C.808 -  C.850 -  ATLAS  LAT -9.72:  B/A A:  C.842 C.875 -  C.8869 -  C.8860 -	PHOTO NO  1 -22.619  2PHAZ INCI 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.0 68.1 65.4 67.  PHOTO NO  2PHAZ INCI 88.1 68. 85.4 67.  2PHAZ INCI 88.1 68. 85.4 67.	118  R  1883.486  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 4 36.1 33.6 5 36.0 36.2 140.6 32.0 PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 119  R  1879.620  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 3 3.6 6 36.0 36.2 6 36.0 36.2 6 36.0 36.2 6 36.0 36.2 6 36.0 36.2 6 40.6 32.0	POD S  V 2.529  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6 POD S	PTH A-65.479 115  SCALE PO. 11-16482 15-56690 15-04715 16-10803 14-33172  EQUENCE NO  PTH A-65.446 115  SCALE PO. 0. 10-87490 15-16205 14-65645	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 905 Z .112 T-PT 1- 2 2- 3 3- 4
TRAJECTORY DATA PHOTO DATA PT LAT	3 HR 24 MI  N RAM 009 173.0 312 167.3 791 174.7 682 174.7 682 174.7 312 167.3 3 HR 24 MI  A  N RAM 023 168.5 318 163.0 170.2 704 175.0 704 175.0 704 175.0	GE AZS/C 04-32 -58-1 9869 -59-5 5613 -63-5 9551 -56-9 9751 -56-9 9869 -59-5 N 46 SEC 850 GE AZS/C 2513 -58-1 6648 -59-5 2900 -35-5	AZN 10-5 9-7 10-8 11-3 19-1 9-7 6 MS	SEC TO 63.  AZ SUN -80.9 -79.8 -79.8 -79.8 -79.8 SEC TO 61.  AZ SUN -80.9 -79.8 -79.8	TAB NO  IMPACT 623  AZA 31.9 30.9 32.2 33.0 31.7  TAB NO  IMPACT 943  AZA 31.9 31.7  30.9 31.7	ALT 148.03081 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658 119 ALT 144.16487 A. 3.38467 3.26972 3.41247	LAT -9.70:  B/A A:  C.842 C.875 -  C.834 -  C.808 -  C.850 -  ATLAS  LAT -9.72:  B/A A:  C.842 C.875 -  C.8869 -  C.8860 -	PHOTO NO  1 -22.619  2PHAZ INCI 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.0 68.1 65.4 67.  PHOTO NO  2PHAZ INCI 88.1 68. 85.4 67.  2PHAZ INCI 88.1 68. 85.4 67.	118  R  1883.486  D PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 119  R  1879.620 C PHAZ EMIS 2 38.3 32.6	POD S  V 2.529  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6 POD S	PTH A -65.4479 115  SCALE P 0. 11.166690 15.06715 16.10803 14.33172  EQUENCE NO  PTH A -65.446 115  SCALE P 0. 10.87490 15.16205 14.65645 15.68845	Z .121 T-PT 1- 2 2- 3 3- 4- 5 5- 6- 7 905 Z .112 T-PT 1- 2 2- 3 3- 4
TRAJECTORY DATA PT LAT LO 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY DATA PHOTO DATA PHOTO DATA PT LAT LAT LAT LAT LAT LAT LAT LAT LAT LA	3 HR 24 MI  (N RAM (009 173.0) 312 167.3 791 174.7 682 174.7 682 174.7 682 171.9 312 167.3 3 HR 24 MI  (N RAM (N R	GE	AZN 10.5 9.7 10.8 11.3 10.1 9.7 6 MS	SEC TU 63.  AZ SUN -80.9 -79.5 -82.1 -82.3 -79.8  SEC TO 61.  AZ SUN -20.9 -79.5 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 30.9 32.2 33.0 31.7  TAB NO  IMPACT 943  AZA 31.9 31.7  30.9 31.7	ALT 148.03087 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658 119 ALT 144.16487 A. 2.26972 3.41247 3.50977 3.35677 3.35677	B/A A C.834 - C.802 - C.875 - C.808 - C.875 - C.808 - C.875 - C.808 - C.875 -	PHOTO NO  1 -22.619  2PHAZ INCI 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.0 68.1 65.4 67.  PHOTO NO  2PHAZ INCI 88.1 68. 85.4 67.  2PHAZ INCI 88.1 68. 85.4 67.	118  R  1883.486  PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 4 36.1 33.6 5 36.0 36.2 1 40.6 32.0 0 PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 119  R  1879.620 C PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 3 3.6 3 40.6 32.0 9 40.7 29.1	POD S  V 2.529  ALPHA 29.0 26.6 31.7 31.2 26.0  POD S  V 2.531  ALPHA 29.0 26.6 31.7 31.2 26.0 POD S	PTH A -65.479 115 SCALE P 0. 11.166690 15.06715 16.10803 14.33172 EQUENCE NO PTH A -65.446 115 SCALE P 0. 10.84790 15.16205 14.65645 15.68845	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 905 Z .112 T-PT 1 2- 2 3- 4 4- 5 5- 6
TRAJECTORY DATA PT LAT LO 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY DATA PT LAT LO 2 -10.903 -20. 3 -10.691 -20. 4 -10.658 -19. 5 -11.130 -19. 6 -11.144 -20. 7 -10.691 -20.	3 HR 24 MI  (A)  (N)  (R)  (R)  (R)  (R)  (R)  (R)  (R	GE AZS/C 04-32 -58-1 9869 -55-5 5613 -63-5 5613 -63-5 90144 -52-4 9869 -59-5 N 46 SEC 850 GE AZS/C GE	AZN 10-5 9-7 10-8 11-3 19-1 19-7 5- MS	SEC TO 63.  AZ SUN -80.9 -79.5 -82.3 -79.8  SEC TO 61.  AZ SUN -20.9 -79.8 -79.5 -82.1 -82.3 -79.5 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.9 33.0 31.7  TAB NO  IMPACT 30.9 31.7  TAB NO	ALT 148.03081 3.47463 3.35658 3.50321 3.60315 3.44599 3.35658 119 ALT 144.16487 A. 2.38467 2.26972 3.41247 3.550977 3.35677 3.26972	B/A A C.842 C.875 C.834 C.808 C.856 C.857 ATLAS	PHOTO NO  1 -22.619  2PHAZ INCI 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.0 68.1 65.4 67.  PHOTO NO  LCN 3 -22.570  2PHAZ INCI 88.1 68. 85.4 67.  PHOTO NO	118  R 1883.486  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 436.1 33.6 5 36.0 36.2 1 40.6 32.0 9 40.7 29.1 119  R 1879.620 C PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 3.6 3.6.0 36.2 4.6.3 32.0 9 40.7 29.1	POD S  2.529  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6  POD S  V 2.531  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6 POD S	PTH A -65.479 115  SCALE P 0. 11.164691 15.56690 15.04715 16.10803 14.33172  EQUENCE NO  PTH A -65.446 115  SCALE P 0. 10.87490 15.16205 14.65645 15.68845 13.96022  EQUENCE NO	Z .121 T-PT 1
TRAJECTORY DATA PHOTO DATA PT LAT LO 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.154 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY BAT PHOTO DATA PT LAT LO 2 -10.903 -20. 4 -10.658 -19. 5 -11.130 -19. 6 -11.144 -20. 7 -10.691 -20.  JULY 31,1964 1  TRAJECTORY DATA PHOTO DATA PT LAT LO 2 -10.903 -20. 4 -10.658 -19. 5 -11.130 -19. 6 -11.144 -20. 7 -10.691 -20.  JULY 31,1964 1  TRAJECTORY DATA	3 HR 24 MI  (N RAM (173.0) (173.0) (193.12 167.3 (191.174.7 (682 171.9 (193.12 167.3 (193.12 167.3 (193.12 167.3 (193.12 167.3 (193.12 167.3 (193.12 163.0 (	GE AZS/C 04-32 -58-1 9869 -55-5 5013 -63-5 9859 -52-4 9869 -52-5 N 46 SEC 850 GE AZS/C 2913 -58-1 64-8 -59-5 2960 -03-5 3839 -56-6 6648 -59-5 2960 -63-5 3839 -56-6 6648 -59-5	AZN 10.5 9.7 10.8 11.3 9.7 10.8 11.3 10.1 10.1 10.1 10.1 10.1 10.1 10.1	SEC TU 63.  AZ SUN -80.9 -79.5 -82.1 -92.3 -79.8  SEC TO 61.  AZ SUN -80.9 -79.8 -79.5 -82.1 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7  TAB NO  IMPACT 943  AZA 31.9 31.7  TAB NO  IMPACT 30.9 31.7  TAB NO	ALT 148.03087 3.47463 3.35658 3.50321 3.60315 3.44599 3.35658 119 ALT 144.16487 4.26972 3.41247 3.50977 3.26972 120	B/A A C.802 C.875 - C.808 - C.875 - C.	PHOTO NO  LCN 1 -22.619 2PHAZ INCI 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.0 68. 1 67. PHOTO NO  PHAZ INCI 85.4 67. PHOTO NO  CPHAZ INCI 88.1 66. 85.4 67. PHOTO NO  LCN 91.1 68. 85.4 67. PHOTO NO	118  R 1883.486 P PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 119  R 1879.620 P HAZ EMIS 2 38.3 32.6 9 40.7 29.1 119  R 1879.620 P HAZ EMIS 2 38.3 32.6 9 40.7 29.1 4 36.1 33.6 5 36.0 36.2 7 40.6 32.0 9 40.7 29.1 120	POD S  2.529  ALPHA 29.0 26.6 31.7 31.2 26.6  POD S  V 2.531  ALPHA 29.0 26.6  POD S  V 2.531  ALPHA 29.0 26.6  POD S	PTH A -65-479 115  SCALE P 0. 11.1642 15.56690 15.04715 16.10803 14.33172  EQUENCE NO  PTH A -65-446 115  SCALE P 0. 10.87490 15.16205 14.65645 15.68845 13.96022  EQUENCE NO	Z .121 T-PT 1
TRAJECTORY DATA PHOTO DATA PT LAT LO 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.154 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY BAT PHOTO DATA PT LAT LO 2 -10.903 -20. 4 -10.658 -19. 5 -11.130 -19. 6 -11.144 -20. 7 -10.691 -20.  JULY 31,1964 1  TRAJECTORY DATA PHOTO DATA PT LAT LO 2 -10.903 -20. 4 -10.658 -19. 5 -11.130 -19. 6 -11.144 -20. 7 -10.691 -20.  JULY 31,1964 1  TRAJECTORY DATA	3 HR 24 MI  (N RAM (173.0) (173.0) (193.12 167.3 (191.174.7 (682 171.9 (193.12 167.3 (193.12 167.3 (193.12 167.3 (193.12 167.3 (193.12 167.3 (193.12 163.0 (	GE AZS/C 04-32 -58-1 9869 -55-5 5013 -63-5 9859 -52-4 9869 -52-5 N 46 SEC 850 GE AZS/C 2913 -58-1 64-8 -59-5 2960 -03-5 3839 -56-6 6648 -59-5 2960 -63-5 3839 -56-6 6648 -59-5	AZN 10.5 9.7 10.8 11.3 9.7 10.8 11.3 10.1 10.1 10.1 10.1 10.1 10.1 10.1	SEC TU 63.  AZ SUN -80.9 -79.5 -82.1 -92.3 -79.8  SEC TO 61.  AZ SUN -80.9 -79.8 -79.5 -82.1 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7  TAB NO  IMPACT 943  AZA 31.9 31.7  TAB NO  IMPACT 30.9 31.7  TAB NO	ALT 148.03087 3.47463 3.35658 3.50321 3.60315 3.44599 3.35658 119 ALT 144.16487 4.26972 3.41247 3.50977 3.26972 120	B/A A C.802 C.875 - C.808 - C.875 - C.	PHOTO NO  LCN 1 -22.619 2PHAZ INCI 88.1 68. 85.4 67. 84.9 68. 91.1 68. 91.0 68. 1 67. PHOTO NO  PHAZ INCI 85.4 67. PHOTO NO  CPHAZ INCI 88.1 66. 85.4 67. PHOTO NO  LCN 91.1 68. 85.4 67. PHOTO NO	118  R 1883.486 P PHAZ EMIS 2 38.3 32.6 9 40.7 29.1 119  R 1879.620 P HAZ EMIS 2 38.3 32.6 9 40.7 29.1 119  R 1879.620 P HAZ EMIS 2 38.3 32.6 9 40.7 29.1 4 36.1 33.6 5 36.0 36.2 7 40.6 32.0 9 40.7 29.1 120	POD S  2.529  ALPHA 29.0 26.6 31.7 31.2 26.6  POD S  V 2.531  ALPHA 29.0 26.6  POD S  V 2.531  ALPHA 29.0 26.6  POD S	PTH A -65.479 115  SCALE P 0. 11.16462 15.56690 15.04715 16.10803 14.33172  EQUENCE NO  PTH A -65.446 115  SCALE P 0. 10.87490 15.16205 14.65645 13.96022  EQUENCE NO  PTH A -65.414 115  SCALE P OTHER A -65.414 115  SCALE P	Z .121 T-PT 1- 2 2- 3 3- 4 4- 5 6- 7 905 Z .112 T-PT 1- 2 2- 3 4- 5 6- 7 907 Z .103
TRAJECTORY DATA PI LAT LO 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY DATA PT LAT LO 2 -10.903 -20. 3 -10.691 -20. 4 -10.658 -19. 5 -11.130 -19. 6 -11.144 -20. 7 -10.691 -20.  JULY 31,1964 1  TRAJECTORY DATA PT LAT LO 2 -10.903 -20. 3 -10.901 -20. 4 -10.691 -20. 7 -10.691 -20.  TRAJECTORY DAT PHOTO DATA PT LAT LO 2 -10.996 -20. 3 -10.690 -20. 3 -10.690 -20.	3 HR 24 MI  (A)  (N)  (R)  (N)  (R)  (N)  (R)  (R)  (R	GE AZS/C 04.32 -58.1 986.9 -59.5 5013 -63.5 981.4 -52.4 986.9 -59.5 N 46 SEC 856 GE AZS/C 2513 -58.1 6648 -59.5 N 48 SEC 536 GE AZS/C 4141 -58.1 986.9	AZN 10.5 9.7 10.8 11.3 10.1 9.7 10.8 11.3 10.1 9.7	SEC TO 63.  AZ SUN -80.9 -79.5 -82.3 -79.8  SEC TO 61.  AZ SUN -20.9 -79.8  SEC TO 61.  AZ SUN -20.9 -79.5 -82.1 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7  TAB NO  IMPACT 943  AZA 31.9 31.7  TAB NO	ALT 148.03081 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658 119 ALT 144.16487 A. 2.6972 3.41247 3.50977 3.26972 120 ALT 140.29669 3.29462 3.18276	B/A AAC.842 C.854 C.862 C.875 ATLAS  LAT	PHOTO NO  1 -22.619  2PHAZ INCI 88.1 68. 85.4 67.  PHOTO NO  2PHAT INCI 88.1 68. 91.0 68. 65.4 67.  PHOTO NO  2PHAZ INCI 88.1 68. 85.4 67.  PHOTO NO  2PHAZ INCI 88.1 68. 85.4 67.  PHOTO NO  2PHAZ INCI 88.1 68. 85.4 67.	118  R 1883.486  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 119  R 1879.620  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 119  R 1879.620  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 120  R 1875.752	POD S  2.529  ALPHA 29.0 26.6  POD S  V 2.531  ALPHA 29.0 26.6  POD S  V 2.533  ALPHA 29.0 26.6	PTH A -65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172 EQUENCE NO  PTH A -65.446 115  SCALE P 0. 15.16205 14.65645 15.68845 13.96022 EQUENCE NO  PTH A -65.414 115  SCALE P 0.	Z .121 1-PT 1-2 2-3 3-4 4-5 6-7 905  Z .112 1-PT 1-2 2-3 3-4 5-6-6 7 907  Z .103 1-PT 2 .103
TRAJECTORY DATA PT LAT LO 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY DATA PT LAT LO 2 -10.903 -20. 4 -10.658 -19. 5 -11.130 -19. 6 -11.144 -20. 7 -10.691 -20. JULY 31,1964 1  TRAJECTORY DATA PT LAT LO 2 -10.691 -20. 4 -10.690 -20. 3 -10.690 -20. 4 -10.690 -20. 3 -10.690 -20. 4 -10.698 -20.	3 HR 24 MI  (N RAM (009 173.0) 312 167.3 791 174.7 682 174.7 682 174.7 682 171.9 312 167.3 3 HR 24 MI  (N RAM (037 164.0) 324 158.7 4 (N RAM (037 164.0) 324 158.7	GE AZS/C 04.32 -58.1 9869 -59.5 5013 -63.5 5013 -63.5 5013 -63.5 6044 -52.4 9069 -39.5 N 46 SEC 856 GE AZS/C GE	AZN 10.5 9.7 10.8 11.3 10.1 9.7 10.8 11.0 19.7 10.8 11.0 19.7 5 MS	SEC TO 63.  AZ SUN -80.9 -79.5 -82.1 -82.3 -79.8  SEC TO 61.  AZ SUN -80.9 -79.5 -62.1 -82.3 -79.8  SEC TO 60.  AZ SUN -80.9 -79.8 -	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.7  TAB NO  IMPACT 943  AZA 31.7  TAB NO  IMPACT 30.9 31.7  TAB NO	ALT 148.03081  A• 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658 119  ALT 144.16487  A• 2.38467 2.50972 2.41247 2.50977 2.35677 2.35677 2.35677 2.35677 2.35677 3.26972 120  ALT 140.29669	B/A A/C.843 3 0.875 - 4714S	PHOTO NO  1 - 22.619  2PHA2 INC. 88.1 68.85.4 67.86.91.1 68.91.0 68.91	118  R 1883.486  P PHAZ EMIS 2 38.3 32.6 9 40.7 29.1  119  R 1879.620 C PHAZ EMIS 2 38.3 32.6 9 40.7 29.1  120  R 1875.752 0 PHAZ EMIS 2 38.3 32.6 9 40.7 29.1	POD S  V 2.529  ALPHA 29.0 26.6  POD S  V 2.531  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6 POD S  V 2.533  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.6 31.7 31.2 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	PTH A -65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172  EQUENCE NO  PTH A -65.446 115  SCALE P 0. 15.16205 15.68845 13.96022  EQUENCE NO  PTH A -65.414 115  SCALE P 0. 10.58464 115  SCALE P 0. 10.58464	Z .121 1-PT 1-2 2-3 3-4 4-5 6-7 905  Z .112 1-PT 1-2 2-3 3-4 5-6-7 907  Z .103
TRAJECTORY DATA PT LAT LO 2 -10.909 -20. 3 -10.692 -20. 4 -10.658 -19. 5 -11.143 -19. 6 -11.157 -20. 7 -10.692 -20.  JULY 31,1964 1  TRAJECTORY DATA PHOTO DATA PT LAT 2 -10.903 -20. 3 -10.91 -20. 4 -10.658 -19. 5 -11.130 -19. 6 -11.144 -20. 7 -10.691 -20.  JULY 31,1964 1  TRAJECTORY DAT PHOTO DATA PT LAT LAT LO 3 -10.903 -20. 3 -10.901 -20. 4 -10.691 -20. 3 -10.900 -20. 4 -10.658 -19. 5 -11.117 -19.	3 HR 24 MI  (N RAM (009 173.0) 312 167.3 791 174.7 682 174.7 682 174.7 682 171.9 312 167.3 3 HR 24 MI  (N RAM (N R	GE AZS/C GE	AZN AZN AZN AZN 10.5 9.7 10.8 AZN 10.5 9.7 10.8 AZN 10.1 9.7 10.8	SEC TO 63.  AZ SUN -80.9 -79.5 -82.3 -79.8  SEC TO 61.  AZ SUN -20.9 -79.8  SEC TO 61.  AZ SUN -20.9 -79.5 -82.1 -82.3 -79.8	TAB NO  IMPACT 623  AZA 31.9 31.7 30.9 32.2 33.0 31.7  TAB NO  IMPACT 943  AZA 31.9 31.7  TAB NO  IMPACT 263  AZA 31.7  TAB NO	ALT 148.03081  A• 3.47463 3.35658 3.50321 2.60315 3.44599 3.35658 119  ALT 144.16487 A. 2.38467 2.26972 3.50977 2.35677 3.26972 120  ALT 140.29669 ALT 140.29669 3.29462 3.18276 3.32164 3.41623 3.26747	B/A A/C.842 C.875 ATLAS  LAT -9.72: B/A A/C.862 C.875 - C.875	PHOTO NO  1 -22.619  2PHAZ INCI 68.1 68.8 85.4 67. 85.4 67. 91.0 68.1 85.4 67.  PHOTO NO  2PHAZ INCI 88.1 68. 85.4 67.  PHOTO NO  2PHAZ INCI 88.1 68. 91.1 68. 91.1 68. 91.1 68. 91.1 68. 91.1 68. 91.1 68.	118  R 1883.486  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 119  R 1879.620  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 119  R 1879.620  PHAZ EMIS 2 38.3 32.6 7 40.7 29.1 120  R 1875.752	POD S  V 2.529  ALPHA 29.0 26.6  POD S  V 2.531  ALPHA 29.0 26.6 31.7 31.2 26.0 26.6 26.6 26.6 26.6 26.6 26.6 26	PTH A -65.479 115  SCALE P 0. 11.16482 15.56690 15.04715 16.10803 14.33172  EQUENCE NO  PTH A -65.446 115  SCALE P 0. 15.16205 15.68845 13.96022  EQUENCE NO  PTH A -65.414 115  SCALE P 0. 10.58464 115  SCALE P 0. 10.58464	Z .121 T-PT 1-2 2-3 3-4 4-5 5-6-7 905 Z .112 T-PT 1-2 3-4 5-5 6-7 907 Z .103 T-PT 2-3 3-4 4-5 4-5 6-7

				VII CAMERA	P4						21
				TAB NO	121	ATLAS PHOTO	NO	121	POD	SEQUENCE NO	909
JULY 31,1964 13 HR											
TRAJECTORY DATA			SEC	TO IMPACT. 58.583	ALT 136.42632	LAT LC -9.769 -22.	IN .470	R	2.535	PTH -65.381 11	AZ 5.094
PHOTO DATA PT LAT LON 2 -10.889 -20.051 3 -10.689 -20.331 4 -10.657 -19.850 5 -11.105 -19.749 6 -11.118 -20.249	DANCE	A76/6				0/4 470447	INCO	DUAT EMIS	AL DUA	SCALE	DT-DT
PT LAT LUN 2 =10.889 =20.051	159.55314	-58-1 10	12N AZS	-9 31-9	3.20447	0.843 -88.1	68.1	38.3 32.6	29.0	0.	1- 2
3 -10.689 -20.331	154.38868	-59.5	7.7 -79	.8 31.7	3.09571	0.875 -85.4	67.8	40.7 29.1	26.6	10.29415 14.35139	2- 3
4 -10.657 -19.850	161.16312	-63.4 10	0.8 -79	.5 30.9	3.23072	0.835 -84.9	68.3	36.1 33.6	31.7	13.87403	3- 4
5 -11.105 -19.749	165.71072	-56.9 1	1.3 -82	1 32.2	3.32274	0.850 -91.1 0.850 -91.0	68.5	40.6 31.9	31.1	14-84840	
6 -11.118 -20.249_ 7 -10.689 -20.331	158.53666	-59.5	9.7 -79	.8 31.7	3.09571	0.875 -85.4	67.8	40.7 29.1	26.6	13.21608	
				TAB NO		ATLAS PHOTO				SEQUENCE N	911
JULY 31,1964 13 HR	24 MIN 51	SEC 896 M	S								
TRAJECTORY DATA			SEC	IO IMPACI	ALI	LAT	N	1868-009	2.53	PIH 7 -65.349 1	AZ
PHOTO DATA											
PT LAT LON 2 -10.883 -20.065 3 -10.688 -20.337	RANGE	AZS/C	AZN AZS	UN AZA	A+	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE	1- 2
2 -10.883 -20.065	155.06021	-58.1 1	0.5 -80	31.9	3.11424	0.843 -88.1	67.0	40.7 29.1	26.4	0. 10.00342 13.94555	2- 3
3 -10.688 -20.337 4 -10.657 -19.869	150.04294	-63.4	7.1 -79 0.8 -79	1.4 30.9	3.13971	0.835 -84.9	دمااه				3-4-
5 -11 092 -19.772	161.04004	-56.9 1	1.3 -82	.0 32.2							
5 -11.092 -19.772 6 -11.105 -20.257	154.07257	-52.5 1	0.1 -82	.3 32.9	3.08859	0.85C -91.0 0.875 -85.4	68.0	40.6 31.9	26.0	14.42793	5- 6 6- 7
7 -10.688 -20.337	150.04294	-59.5	9.7 -79	.8 31.7	3.00858	C.875 -85.4	67.8	40.7 29.1	26.6	12.84353	0- /
21 1044 12 110	24 MIN E3	SEC 714 W	•	TAB NO		ATLAS PHOTO			_	SEQUENCE N	912
JULY 31,1964 13 HR	24 F16 32	3EC 13B E	2								
TRAJECTORY DATA			SEC	TO IMPACT 56.064	ALT 130.6163	LAT LI 9 -9.8C4 -22	ON .395	R 1866-072	2.53	PTH 8 -65.332 l	AZ 15.081
PHOTO DATA	0.4405	A 15.46	47M 47		• •	R/A A70HA7	INCO	PHAT EMIS	ALPHA	SCALE	PT-PT
PT LAT LUN 2 -10 879 -20 072	152.81188	AZS/L -58.1 1	AZN AZ: 0.5 -80	0.9 31.9	3.06908	0.843 -88.1	68.1	38.3 32.6	28.9	Q	1- 2
3 -10.687 -20.340	147.86823	-59.5	9.7 -7	8 31.7	2.96497	0.875 -85.4	67.8	40.7 29.1	26.6	9.85803	2- 3
4 -10.657 -19.879	154.35111	-63.4 1	0.8 -7	3.4 30.9	3.09417	0.835 -84.9	68.3	36.1 33.5	31.7	13.74250	3- 4
5 -11.085 -19.783	158.70284	-56.9 1	1.3 -8	2.0 32.2	3.18222	0.81C -91.1	68.4	36.0 36.1	31.1	13.28632	4- 5 4- 6
6 -11.098 -20.262	151.83867	-52.5 l	0.1 -6	2.3 32.9	3.04381	0.850 -91.0	67.8	40.0 31.9	26.6	12.65720	6- 7
1 -10.001 -20.340	141.00053	- 37.3	7.1			0.013					
PHOTO DATA PT LAT LON 2 -10.879 -20.072 3 -10.687 -20.340 4 -10.657 -19.879 5 -11.085 -19.783 6 -11.098 -20.262 7 -10.687 -20.340  JULY 31.1964 13 HR				TAB NO	124	ATLAS PHOTO	NO (	124	POD	SEQUENCE N	0 913
JULY 31,1964 13 HR			S							•	
JULY 31,1964 13 HR TRAJECTORY DATA	24 PIN 53	SEC 576 M	S SEC	TO [MPACT	ALT 128.6786	LAT L 0 -9.816 -22	ON .370	R 1864.134	V 4 2.53	PTH 19 -65.316 1	AZ 15.076
JULY 31,1964 13 HR TRAJECTORY DATA	24 PIN 53	SEC 576 M	S SEC	TO [MPACT	ALT 128.6786	LAT L 0 -9.816 -22	ON .370	R 1864.134	V 4 2.53	PTH 19 -65.316 1	AZ 15.076
JULY 31,1964 13 HR TRAJECTORY DATA	24 PIN 53	SEC 576 M	S SEC	TO [MPACT	ALT 128.6786	LAT L 0 -9.816 -22	ON .370	R 1864.134	V 4 2.53	PTH 19 -65.316 1	AZ 15.076 PT-PT 1- 2
JULY 31,1964 13 HR TRAJECTORY DATA	24 PIN 53	SEC 576 M	S SEC	TO [MPACT	ALT 128.6786	LAT L 0 -9.816 -22	ON .370	R 1864.134	V 4 2.53	PTH 19 -65.316 1	AZ 15.076 PT-PT 1- 2 2- 3
JULY 31,1964 13 HR TRAJECTORY DATA	24 PIN 53	SEC 576 M	S SEC	TO [MPACT	ALT 128.6786	LAT L 0 -9.816 -22	ON .370	R 1864.134	V 4 2.53	PTH 19 -65.316 1	AZ 15.076 PT-PT 1- 2 2- 3 3- 4
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.875 -20.079 3 -10.687 -20.343 4 -10.657 -19.889	RANGE 150.56242 145.69241 152.07812	AZS/C -58.1 1 -59.5 -63.4 1	S SEC  AZN AZ  0.5 -8  9.7 -7  0.8 -7	TO IMPACT 55.224 SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0	ALT 128.6786 A. 3.02390 2.92134 3.04863	LAT L 0 -9.816 -22  B/A AZPHAZ 0.843 -86.1 0.875 -85.4 0.835 -84.9 0.816 -91.1	ON .370 INCD 68.1 67.8 68.3	R 1864-134 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.1	4 2.53 ALPHA 28.9 26.6 31.6	PTH 9 -65.316 1 SCALE 0 0. 9.71242 13.53939 13.09011	AZ 15.076 PT-PT 1- 2 2- 3 3- 4 4- 5
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.875 -20.079 3 -10.687 -20.343 4 -10.657 -19.889	RANGE 150.56242 145.69241 152.07812	AZS/C -58.1 1 -59.5 -63.4 1	S SEC  AZN AZ  0.5 -8  9.7 -7  0.8 -7	TO IMPACT 55.224 SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0	ALT 128.6786 A. 3.02390 2.92134 3.04863	LAT L 0 -9.816 -22  B/A AZPHAZ 0.843 -86.1 0.875 -85.4 0.835 -84.9 0.816 -91.1	ON .370 INCD 68.1 67.8 68.3	R 1864-134 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.1	4 2.53 ALPHA 28.9 26.6 31.6	PTH 9 -65.316 1 SCALE 0 0. 9.71242 13.53939 13.09011	PT-PT 1- 2 2- 3 3- 4 4- 5
JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 150.56242 145.69241 152.07812	AZS/C -58.1 1 -59.5 -63.4 1	S SEC  AZN AZ  0.5 -8  9.7 -7  0.8 -7	TO IMPACT 55-224 SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7	ALT 128.6786 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134	LAT L 0 -9.816 -22  B/A AZPHAZ 0.843 -85.4 0.835 -85.4 0.835 -84.9 0.810 -91.1 0.850 -91.0 0.875 -85.4	ON .370  INCD 68.1 67.8 68.4 67.9	R 1864-134 PHAZ EMIS 38.3 32-5 40.7 29-1 36.1 33-5 36.0 36-1 40.6 31-9	4 2.53 ALPHA 28.9 26.6 31.6 31.1 26.6	PTH 9 -65.316 1 SCALE 0. 9.71242 13.53939 13.09011 14.00712 5 12.47057	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.875 -20.079 3 -10.687 -20.343 4 -10.657 -19.889	RANGE 150.56242 145.69241 152.07812 156.36454 149.60365 145.69241	AZS/C -58.1 1 -59.5 -63.4 1 -56.9 1 -52.5 1	S SEC AZN AZ 0.5 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7	TO IMPACT 55.224  SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7 TAB NO	ALT 128-6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134	LAT L 0 -9.816 -22  B/A AZPHAZ 0.843 -86.1 0.875 -85.4 0.835 -84.9 0.810 -91.1 0.850 -91.0 0.875 -85.4  ATLAS PHOTO	ON .370  INCD 68.1 67.8 68.3 68.4 67.9 67.8	R 1864-134 9 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.1 40.6 31.9 40.7 29.1	ALPHA 28.9 26.6 31.6 31.1 26.6 POD	PTH 19 -65.316 1 20 0. 20 13.53939 21 13.69011 21 14.09712 21 12.47051	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
JULY 31,1964 13 HR TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR	RANGE 150.56242 145.69241 152.07812 156.36454 149.60365 145.69241	AZS/C -58.1 1 -59.5 -63.4 1 -56.9 1 -52.5 1	S SEC AZN AZ 0.5 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7	TO IMPACT 55.224  SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7 TAB NO	ALT 128-6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134	LAT L 0 -9.816 -22  B/A AZPHAZ 0.843 -86.1 0.875 -85.4 0.835 -84.9 0.810 -91.1 0.850 -91.0 0.875 -85.4  ATLAS PHOTO	ON .370  INCD 68.1 67.8 68.3 68.4 67.9 67.8	R 1864-134 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.1 40.6 31.9 40.7 29.1	ALPHA 28.9 26.6 31.6 31.1 26.6 POD	PTH 19 -65.316 1 20 0. 20 13.53939 21 13.69011 21 14.09712 21 12.47051	PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 150.56242 145.69241 152.07812 156.36454 149.00365 145.69241	AZS/C -58.1 1 -59.5 -63.4 1 -56.9 1 -52.5 1 -59.5	S SEC SEC AZN AZ O O O O O O O O O O O O O O O O O O	TO IMPACT 55.224  SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7 TAB NO	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125	LAT L 0 -9.816 -22  B/A AZPHAC 0.843 -884.1 0.875 -85.4 0.835 -84.9 0.816 -91.1 0.850 -91.0 0.875 -85.4  ATLAS PHOTO  LAT L C -9.827 -22	ON .370 INCD 68.1 67.8 68.3 68.4 67.9 67.8 O NO	R 1864-134 9 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.1 90.6 31.9 40.7 29.1 125	V 4 2.53 ALPHA 28.9 26.6 31.1 26.0 POD	PTH 19 -65.316 1 0 -65.316 1 0 -7.1242 13.53939 13.09011 14.007125 SEQUENCE N PTH 40 -65.299	PT-PT 1- 2 2- 3 3- 4 4- 5 6- 7 10 914
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR TRAJECTORY DATA	RANGE 150.56242 145.69241 152.07812 156.36454 149.00365 145.69241	AZS/C -58.1 1 -59.5 -63.4 1 -56.9 1 -52.5 1 -59.5	S SEC SEC AZN AZ O O O O O O O O O O O O O O O O O O	TO IMPACT 55.224  SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7 TAB NO	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125	LAT L 0 -9.816 -22  B/A AZPHAZ 0.849 -86.1 0.875 -85.4 0.835 -84.9 0.816 -91.1 0.850 -91.0 0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22	ON .370 INCD 68.1 67.8 68.3 68.4 67.9 67.8 D NO	R 1864-134 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.1 40.6 31.9 40.7 29.1 125 R 1862-19	V 2.53  ALPHA 28.9 26.6 31.1 26.6 POD	PTH 9 -65-316 1 0 - 7.11242 1 3.53939 1 3.09011 1 14.00712 1 12.47051  SEQUENCE N PTH 40 -65.299	AZ 15.076 PT-PT 1-2 2-3 3-4 4-5 5-6-7 10 914
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.876 -20.079 3 -10.667 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.872 -20.986	RANGE 150.56242 145.69241 150.36454 149.40365 145.69241 24 MIN 54	AZS/C -58.1 1 -59.5 1 -56.9 1 -52.5 1 -59.5 SEC 416 M	S SEC SEC AZN AZ O O O O O O O O O O O O O O O O O O	TO IMPACT 55.224  SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7 TAB NO	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125	LAT L 0 -9.816 -22  B/A AZPHAZ 0.849 -86.1 0.875 -85.4 0.835 -84.9 0.816 -91.1 0.850 -91.0 0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22	ON .370 INCD 68.1 67.8 68.3 68.4 67.9 67.8 D NO	R 1864-134 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.1 40.6 31.9 40.7 29.1 125 R 1862-19	V 2.53  ALPHA 28.9 26.6 31.1 26.6 POD	PTH 9 -65-316 1 0 - 7.11242 1 3.53939 1 3.09011 1 14.00712 1 12.47051  SEQUENCE N PTH 40 -65.299	AZ 15.076 PT-PT 1-2 2-3 3-4 4-5 5-6-7 10 914
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.876 -20.079 3 -10.667 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.872 -20.986	RANGE 150.56242 145.69241 150.36454 149.40365 145.69241 24 MIN 54	AZS/C -58.1 1 -59.5 1 -56.9 1 -52.5 1 -59.5 SEC 416 M	S SEC SEC AZN AZ O O O O O O O O O O O O O O O O O O	TO IMPACT 55.224  SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7 TAB NO	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125	LAT L 0 -9.816 -22  B/A AZPHAZ 0.843 -86.1 0.875 -85.4 0.835 -84.9 0.816 -91.1 0.850 -91.0 0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22  B/A AZPHAZ 0.843 -88.1 0.875 -85.4	ON .370 INCD 68.1 67.8 68.3 68.4 67.8 ON O	R 1864-134  PHAZ EMIS 38-3 32-5 40-7 29-1 125  R 1862-19  PHAZ EMIS 13-5 36-0 36-1 140-6 31-9 140-7 29-1 125	V 2.53  ALPHA 28.9 26.6 31.6 31.1 26.6 POD  V 6 2.54  ALPHA 28.6	PTH 19 -65.316 1 10 -65.316 1 10 -71242 13.53939 13.09011 14.00712 12.47051 SEQUENCE N PTH 40 -65.299 4 SCALE 9 0.5	AZ 15.076 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 10 914 AZ (15.072 PT-PT 1-2 2 2-3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.872 -20.386 3 -10.686 -20.346 4 -10.6657 -19.899	RANGE 150.56242 145.69241 152.07812 156.36454 149.00365 145.69241 24 MIN 54 RANGE 148.31200 143.51562	AZS/C -58.1 1 -59.5 -63.4 1 -59.5 SEC 416 M	S SEC  AZN AZ 0.5 -8 9.7 -7 0.8 -7 1.3 -8 9.7 -7 18 SEC  AZN AZ 0.5 -8 9.7 -7 0.8 -7 -	TO IMPACT 55.224  SUN AZA	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125 ALT 126.74C4 A. 2.97870 2.87749 3.00302	LAT L 0 -9.816 -22 8/A AZPHAZ 0.849 -86.1 0.875 -85.4 0.835 -84.9 0.810 -91.1 0.850 -91.0 0.875 -85.4 ATLAS PHOTO LAT L C -9.827 -22 8/A AZPHAZ 0.843 -88.1 0.875 -85.4 0.875 -86.4	ON .370  ENC D 68.1 67.8 68.3 68.4 67.9 67.8 0 NO CN 2.345	R 1864-13-1 PHAZ EMIS 38.3 32.5 36.7 29.1 36.1 33.5 36.0 36.1 40.7 29.1 125 R 1862-19 D PHAZ EMIS 1 38.3 32.5 8 40.7 29.1	V 2.53  ALPHA 28.9 26.6 31.6 31.1 26.0 26.6  POD  ALPHA 28.6 26.6 31.6 31.6 31.6 31.6 31.6 31.6 31.6 3	PTH 19 -65.316 1	AZ 15.076 PT-PT 1-2 2-3 3-4 4-5 5-6 6-7 0 914 AZ (15.072 PT-PT 1-2 (2-3) 3-4 (3-4) (4-5)
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.867 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA  PT LAT LON 2 -10.872 -20.086 4 -10.667 -19.899 5 -11.072 -19.806	RANGE 150.56242 145.69241 156.36454 149.40345 145.69241 24 MIN 54  RANGE 148.31200 143.51562 149.80416 154.02529	AZS/C -58.1 1 -59.5 -63.4 1 -59.5 SEC 416 M	S SEC  AZN AZ 0.5 -8 9.7 -7 0.8 -7 -7 1.3 -8 0.1 -8 9.7 -7 1.5 SEC  AZN AZ 0.5 -6 9.7 -7 0.8 -7 -7 1.3 -8 1	TO IMPACT 55.224  55.224  0.9 31.9 9.8 31.7  TAB NO  TO IMPACT 54.384  SUN AZA 0.9 31.9 9.8 31.7  TAB 31.7	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125 ALT 126.74C4 4.297870 2.87769 3.00302 3.00863 2.95418	LAT	ON .370 INCD 68.1 67.8 68.3 68.4 67.8 O NO ON C.345 INCC 68.1 67.8 68.3	R 1864-13-1 38-3 32-5 38-3 32-5 36-1 33-5 36-1 33-5 36-1 33-5 40-7 29-1 125  R 1862-19 0 PHAZ EMIS 1 38-3 32-5 3 40-0 36-0 3 36-1 33-5 4 36-0 36-0 3 40-0 31-9 4 40-6 31-9	V 2.53  ALPHA 28.9 26.6 31.1 26.0 26.6 POD  V 6 2.54  ALPHA 28.1 26.1 31.1	PTH 19 -65-316 1 0 -65-316 1 0 -7:1242 1 3.53939 1 3.09011 1 14.00712 1 12.47051  SEQUENCE N PTH 40 -65-299 4 SCALE 9 0.668 6 13.3362: 1 12.8940 0 13.7966	AZ 15.076 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 10 914 AZ 115.072 PT-PT 1- 2 3- 2- 3 3- 3- 4 5- 5- 6- 7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.872 -20.386 3 -10.686 -20.346 4 -10.6657 -19.899	RANGE 150.56242 145.69241 156.36454 149.40345 145.69241 24 MIN 54  RANGE 148.31200 143.51562 149.80416 154.02529	AZS/C -58.1 1 -59.5 -63.4 1 -59.5 SEC 416 M	S SEC  AZN AZ 0.5 -8 9.7 -7 0.8 -7 -7 1.3 -8 0.1 -8 9.7 -7 1.5 SEC  AZN AZ 0.5 -6 9.7 -7 0.8 -7 -7 1.3 -8 1	TO IMPACT 55.224  SUN AZA	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125 ALT 126.74C4 4.297870 2.87769 3.00302 3.00863 2.95418	UAT L 0 -9.816 -22  B/A AZPHAZ 0.849 -88.1 0.875 -85.4 0.835 -84.9 0.810 -91.1 0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22  B/A AZPHAZ 0.843 -88.1 0.875 -85.4 0.835 -86.9 0.810 -91.1	ON .370 INCD 68.1 67.8 68.3 68.4 67.8 O NO ON C.345 INCC 68.1 67.8 68.3	R 1864-134 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.1 40.7 29.1 125  R 1862-19 D PHAZ EMIS 1 38.3 32.5 5 40.7 29.1 3 36.1 33.5	V 2.53  ALPHA 28.9 26.6 31.1 26.0 26.6 POD  V 6 2.54  ALPHA 28.1 26.1 31.1	PTH 19 -65-316 1 0 -65-316 1 0 -7:1242 1 3.53939 1 3.09011 1 14.00712 1 12.47051  SEQUENCE N PTH 40 -65-299 4 SCALE 9 0.668 6 13.3362: 1 12.8940 0 13.7966	AZ 15.076 PT-PT 1- 2 2- 3 3- 4 4- 5 5- 6- 7 10 914 AZ 115.072 PT-PT 1- 2 3- 2- 3 3- 3- 4 5- 5- 6- 7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.872 -20.086 3 -10.686 -20.346 4 -10.657 -19.899 5 -11.072 -19.806 6 -11.085 -20.270 7 -10.686 -20.346	RANGE 150.56242 145.69241 192.07812 156.36454 149.00365 145.69241 24 MIN 54 RANGE 148.31200 149.80416 154.02529 147.36765 143.51562	AZS/C -58.1 1 -59.5 -63.4 1 -56.9 1 -52.5 1 -52.5 1 -59.5 SEC 416 M	S SEC 20.5 -8 -9.7 -7 0.8 -7 1.3 -8 9.7 -7 1	TO IMPACT 55.224  SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 9.8 31.7 TAB NO  TO IMPACT 54.384  TAB NO	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125 ALT 126.74C4 4.97870 2.87740 2.87740 2.87769	LAT	ON .370 INCD 68.1 67.8 68.4 67.9 67.8 D NO ON 2.345 INCD 68.1 67.8 68.3 67.8 67.8 67.8 67.8	R 1864-134 PHAZ EMIS 38.3 32.5 36.7 29.1 36.1 33.5 36.0 36.1 40.7 29.1 125  R 1862-19 D PHAZ EMIS 1 38.3 32.5 3 40.7 29.1 3 36.1 33.5 4 36.0 36.0 9 40.6 31.9 9 40.6 7 29.1	V 2.53  ALPHA 28.9 26.6 31.1 26.6  POD  V 6 2.54  ALPHA 28.6 31.1 26.6 31.1 26.6	PTH 19 -65-316 1 0 -65-316 1 0 -7:1242 1 3.53939 1 3.09011 1 14.00712 1 12.47051  SEQUENCE N PTH 40 -65-299 4 SCALE 9 0.668 6 13.3362: 1 12.8940 0 13.7966	AZ 15.076 PT-PT 1-2 2-3 3-4 4-5 5-6-7 10 914 AZ 115.072 PT-PT 1-2 2-3 3-3-4 5-4 6-7
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.872 -20.086 3 -10.686 -20.346  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.857 -19.899 5 -11.072 -19.896 6 -11.085 -20.270 7 -10.686 -20.346  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.868 -20.346	RANGE 150.56242 145.69241 192.07812 156.36454 149.00365 145.69241 24 MIN 54  RANGE 148.31200 143.51562 149.80416 154.02529 147.36765 RANGE 146.06020 141.33751 147.52884	AZS/C -58.1 1 -59.5 SEC 416 M  AZS/C -58.1 1 -59.5 SEC 416 M  AZS/C -58.1 1 -59.5 SEC 416 M  AZS/C -58.1 -59.5 SEC 416 M	S SEC AZN AZ AZ AZN AZ AZ AZN AZ AZ AZN AZ	TO IMPACT 55.224  SUN AZA 0.9 31.9 9.8 31.7 9.4 31.0 9.8 31.7 TAB NO  TO IMPACT 54.384  SUN AZA 0.9 31.9 9.8 31.7 TAB NO  TO IMPACT 54.384  TO IMPACT 54.384  TO IMPACT 54.384  SUN AZA 0.9 31.9 9.8 31.7 TAB NO  TO IMPACT 553.544  SUN AZA 0.9 31.9 9.8 31.7 TAB NO	ALT 128.6786 A. 3.02390 2.92134 3.04863 3.13533 2.99900 2.92134 125 ALT 126.74C4 4.978769 3.00302 3.08843 2.95418 2.87769 126 ALT 124.8014 A. 3.0302 3.08843 3.04863 4.87769 126 ALT 124.8014 A. 3.0302 3.0	LAT C -9.816 -22  B/A AZPHAZ  0.843 -88.1  0.875 -85.4  0.835 -84.9  0.816 -91.1  0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22  B/A AZPHAZ  0.843 -88.1  0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22  B/A AZPHAZ  0.843 -88.1  0.835 -84.9  0.835 -84.9  1 0.850 -91.0  1 0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22  B/A AZPHAZ  0.843 -88.1  0.835 -84.9  0.835 -84.9  0.835 -84.9  0.835 -84.9  0.835 -85.4  ATLAS PHOTO  LAT C -9.839 -2.2  B/A AZPHAZ  0.847 -88.1	ON .370 INCD 68.1 67.8 68.3 67.8 O NO ONO CN : 345 INCC 68.3 68.4 67.8 CO NO ONO INCC CN INCC 68.6 67.8 68.7 68.6 67.8 68.6 68.7 68.6 68.7 68.6 68.7 68.6 68.7 68.6 68.7 68.6 68.7 68.6 68.7 68.6 68.7	R 1864-134  PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1	V V 2.533 ALPHA 28.9 26.6 31.6 31.1 26.6 POD  25.4 26.1 31.7 26.7 26.7 26.7 26.7 26.7 26.7 26.7 26	PTH 9 -65.316 1	AZ 15.076 PY-PY 1-2 2-3 3-4 4-5 5-6-7 10 914 AZ 115.072 PY-PY 1-2 10 2-3 3-4-5 2-3 3-4-5 10 3-4-5 10 915 AZ 115.072 PY-PY 115.067 PY-PY 115.067 PY-PY 12-2-3 3-4-5 2-5-6-7 10 915 AZ 10 915 AZ
JULY 31,1964 13 HR  TRAJECTORY DATA  PH LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.857 -19.809 5 -11.072 -19.806 6 -11.085 -20.346  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PHOTO DATA PHOTO DATA TRAJECTORY DATA PHOTO P	RANGE 150.56242 145.69241 152.07812 156.36454 149.03055 145.69241 24 MIN 54  RANGE 148.31200 143.51562 149.80416 154.02529 147.36756 143.51562  RANGE 146.06020 141.33751 147.52884	AZS/C -58.1 1 -59.5 -63.4 1 -59.5 SEC 256 AZS/C -58.1 2 -59.5 SEC 256 AZS/C -59.5 SEC 256 AZS/C -59.5 SEC 256 AZS/	S SEC SEC AZN AZ 9.7 -7 0.8 -7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 1.3	TO IMPACT 55.224  0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7  TAB NO  TO IMPACT 54.384  SUN AZA 0.9 31.9 9.8 31.7  TAB NO  TO IMPACT 53.544  SUN AZA 0.9 31.9 9.8 31.7  TAB NO  TO IMPACT 53.544  SUN AZA 0.9 31.9 9.8 31.7	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125 ALT 126.74C4 A. 2.97870 3.08843 2.9769 126 ALT 124.8014 A. 2.93348 2.83769 126	UAT 0 -9.816 -22  B/A AZPHAZ  0.849 -88.1  0.875 -85.4  0.835 -84.9  0.810 -91.0  0.875 -85.4  ATLAS PHOTO  LAT 1  0.875 -85.4  ATLAS PHOTO  LAT 2  0.875 -85.4  ATLAS PHOTO  LAT 3  0.875 -85.4  ATLAS PHOTO  LAT 4  0.875 -85.4  ATLAS PHOTO  LAT 5  0.875 -85.4  ATLAS PHOTO  LAT 6  0.875 -85.4  ATLAS PHOTO  LAT 7  10.875 -85.4  ATLAS PHOTO  LAT 1  10.875 -85.4  ATLAS PHOTO  LAT 1  10.875 -85.4  ATLAS PHOTO  10.835 -84.9  10.810 -91.1  10.835 -84.9  10.810 -91.1  10.835 -84.9  10.810 -91.1	ON .370 INCD 68.1 67.8 68.4 67.8 O NO CN .345 INCC 68.4 67.6 68.6 67.8 68.6 67.8 68.6 67.8 68.6 67.8	R 1864-134  PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.1 36.1 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0	V V 2.53  ALPHA 28.9  ALPHA 26.6  ALPHA 31.1  26.1  26.1  26.1  31	PTH 9 -65.316 1 0 -9.71242 13.53939 13.09011 14.00712 12.47051 SEQUENCE N PTH 40 -65.299 1 12.69401 1 12.69401 0 13.7966 6 12.2840 0 SEQUENCE I  PTH 42 -65.283 8 9 -4211 42 -65.283 9 -4211 6 13.1329 0 12.6977 0 12.6977	AZ 15.076 PT-PT 1-2 2-3 3-4-5 5-6-7 10 914 AZ 115.072 PT-PT 1-2-3 3-4-5 2-3-6 3-4-5 1-3-6 7-7 10 915 AZ 115.067 PT-PT 1-2-3 3-4-5 2-3-6 3-6-7 915 AZ 115.067 PT-PT 1-2-3 3-4-5 3-6-7 40 915
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.876 -20.079 3 -10.687 -20.343 4 -10.657 -19.889 5 -11.079 -19.795 6 -11.092 -20.266 7 -10.687 -20.343  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.872 -20.086 3 -10.686 -20.346  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.857 -19.899 5 -11.072 -19.896 6 -11.085 -20.270 7 -10.686 -20.346  JULY 31,1964 13 HR  TRAJECTORY DATA PT LAT LON 2 -10.868 -20.346	RANGE 150.56242 145.69241 152.07812 156.36454 149.003.05 145.69241 24 MIN 54  RANGE 148.31200 143.51562 149.80416 154.02529 147.3675 143.51562 RANGE 146.06020 141.33751 147.52884 151.68649 147.3673	AZS/C -58.1 1 -59.5 -63.4 1 -59.5 SEC 256 AZS/C -58.1 2 -59.5 SEC 256 AZS/C -59.5 SEC 256 AZS/C -59.5 SEC 256 AZS/	S SEC SEC AZN AZ 9.7 -7 0.8 -7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 9.7 -7 1.3 -8 0.1 -8 1.3	TO IMPACT 55.224  0.9 31.9 9.8 31.7 9.4 31.0 2.0 32.2 2.3 32.9 9.8 31.7  TAB NO  TO IMPACT 54.384  SUN AZA 0.9 31.9 9.8 31.7  TAB NO  TO IMPACT 53.544  SUN AZA 0.9 31.9 9.8 31.7  TAB NO  TO IMPACT 53.544  SUN AZA 0.9 31.9 9.8 31.7	ALT 128.6786 A. 3.02390 2.92134 3.04860 3.13533 2.99900 2.92134 125 ALT 126.74C4 A. 2.97870 3.08843 2.9769 126 ALT 124.8014 A. 2.93348 2.83769 126	LAT C -9.816 -22  B/A AZPHAZ  0.843 -88.1  0.875 -85.4  0.835 -84.9  0.816 -91.1  0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22  B/A AZPHAZ  0.843 -88.1  0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22  B/A AZPHAZ  0.843 -88.1  0.835 -84.9  0.835 -84.9  1 0.850 -91.0  1 0.875 -85.4  ATLAS PHOTO  LAT C -9.827 -22  B/A AZPHAZ  0.843 -88.1  0.835 -84.9  0.835 -84.9  0.835 -84.9  0.835 -84.9  0.835 -85.4  ATLAS PHOTO  LAT C -9.839 -2.2  B/A AZPHAZ  0.847 -88.1	ON .370 INCD 68.1 67.8 68.4 67.8 O NO CN .345 INCC 68.4 67.6 68.6 67.8 68.6 67.8 68.6 67.8 68.6 67.8	R 1864-134  PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.1 36.1 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0	V V 2.53  ALPHA 28.9  ALPHA 26.6  ALPHA 31.1  26.1  26.1  26.1  31	PTH 9 -65.316 1 0 -9.71242 13.53939 13.09011 14.00712 12.47051 SEQUENCE N PTH 40 -65.299 1 12.69401 1 12.69401 0 13.7966 6 12.2840 0 SEQUENCE I  PTH 42 -65.283 8 9 -4211 42 -65.283 9 -4211 6 13.1329 0 12.6977 0 12.6977	AZ 15.076 PT-PT 1-2 2-3 3-4-5 5-6-7 10 914 AZ 115.072 PT-PT 1-2-3 3-4-5 2-3-6 3-4-5 1-3-6 7-7 10 915 AZ 115.067 PT-PT 1-2-3 3-4-5 2-3-6 3-6-7 915 AZ 115.067 PT-PT 1-2-3 3-4-5 3-6-7 40 915

					RA-VI	CAMERA	Δ P4						22
JULY 31,19	64 13 HR	24 MIN 56	SEC 96	MS		TAB NO	127	ATLAS F	PHOTO NO	127	POD S	EQUENCE NO 9	16
TRAJECTOR	Y DATA				SEC TO	IMPACT	ALT	LAT	LON	R	.v	PTH AZ -65.266 115.0	
PHOTO DATE	Δ							-9.850	-22.294	1858.31	7 2.543	-65.266 115.0	62
PT LAT	LON	RANGE	AZS/C	AZN	AZSUN	AZA	A+	B/A AZF	HAZ INCO	PHAZ EMIS	ALPHA	SCALE PT-	-PT
2 -10.866 3 -10.685	-20.101	143.80746	58,1 59.5	10.5	-80.9	31.9	2.88824	0.843 -8	88.1 68.1	38.3 32.5	28.9	0. 1- 9.27551 2-	2
4 -10.656	-19.919	139.15843 145.25259	-63.4	10.8	-79.4	31.0	2.79033	0.835 -8	35.4 67.8 34.9 68 2	36.1 33.5	31.6	9.27551 2- 12.92956 3-	- 3
5 -11.059	-19.829	149.34315	-56.9	11.3	-82.0	32.2	2.99454	0.81C -9	91.1 68.4	36.0 36.0	31.0	12.50140 4-	· •
611.072	-20.279_	142,89199	-52.5	10.1	-82.3 -79.8	32.9	2.86446	0.850 -9	0 67.9	40.6 31.9	26.0		<u>. 6</u>
7 -10.685	-20.353	139.15843	-59.5	9.7			2.79033	0.875 -8	35.4 67.8	40.7 29.1	26.6	11.91045 6-	
						TAB NO	129	ATLAC	PHOTO NO	100	DOD 0	EQUENCE NO 9	
JULY 31,196	64 13 HR	24 MIN 56	SEC 936	MS			110	AILAS I	PHOTO NO	120	טטט 3	EQUENCE NO 9	<b>,</b> 1/
_TRAJECTOR	Y DATA				SEC TO	IMPACI	ALI	LAI	LON	R	V	PTH AZ -65.250 115.0	
PHOTO DATA	Δ				51.	864	120.9218	-9.862	-22.269	1856.37	7 2.544	-65.250 115.0	)58
PT LAT	LON	RANGE	AZS/C	AZN	AZ SUN	AZA	Α.	B/A A7P	HAZ INCO	PHAZ EMIS	AL PHA	SCALE PT-	DT
PHOTO DATA PT LAT 2 -10.862 3 -10.684 4 -10.656 5 -11.053	-20.108	141.55300	-58.1	10.5	-80.9	31.9	2.84296	0.843 -8	8.1 68.1	38.3 32.5	28.9	0. 1-	2
3 -10.684	-20.356	136.97768	-59.5	9.7	-79.8	31.7	2.74660	0.875 -8	35.4 67.8	40.7 29.1	26.5	0. 1- 9.12971 2-	- 3
410.656	-19.929_	142.97464	63.4	10.8	-79.4	31.0	2.86611	0.835 -8	4.9 68.2	36.1 33.5	31.6	12.72609 3-	- 4_
6 -11.065	-20.283	146.99989	-56.9	11.3	-82.0	32.2	2.94756	0.81C -9	1.1 68.4	36.0 36.0	31.0	12.30488 4-	- 5
7 -10.684	-20.356	140.651.99 136.97768	-59.5	9.7	-82.3 -79.8	31.7	2.81956	0.875 -6	/1.0 D/29	40.6 31.9 40.7 29.1	26.0	13.16461 5- 11.72360 6-	. 6.
				,							20.9	11.72300 6-	• •
JULY 31,190	64 13 HR	24 MIN 57	SEC 775	MS		TAB NO	129	ATLAS F	эното ио	129	POD S	EQUENCE NO 9	18
TRAJECTOR	Y DATA				SEC TO	IMPACT	ALT	LAT	LON	R	٧	PTH AZ	
PHOTO DATA	Δ.				51.	024	118.9814	-9.874	-22.243	1854.43	7 2.545	-65.233 115.0	153
		RANGE	AZS/C	AZN	AZ SUN	Δ7Δ	Α.	B/A A70	HAZ INCO	PHAZ EMIS	AI DUA	SCALE PT-	
2 -10.859	-20.115	RANGE 139.29796	-58.1	10.5	-80.9	31.9		0.843 -8	38-1 68-1	38.3 32.5	28.9	0. 1-	
3 -10.684	-20.359	134.79634		0.7	70 0	21 7	2.70286	0.876 -6	5.4 67.8	40.7 29.1	26.5	8.98390 2-	. 3
4 -10-656	-19.939	140.69613	-63.4	10.8	-79.4	31.0	2.82044	0.835 -8	34.9 68.2	36.1 33.5	31.6	12.52256 3-	- 4
5 -11.046 6 -11.058	-19.852 -20.288	144.65609	-56.9	11.3	-82.0	32.2	2.90056	0.810 -9	1.1 68.3	36.0 36.0	31.0	12.10837 4-	- 5
7 -10.684		138.41141	-59.5	9.7	-79.8 -79.4 -82.0 -82.3 -79.8	32.9	2.77464	C-851 -9	01.0 67.9	40.6 31.9	26.0	12.95381 5-	
. 10.004	20.337	134111034	- 37.3	7.1	-19.0	21.1	2.70286	0.876 -6	57.4 6/.B	40.7 29.1	26.5	11.53665 6-	- 7
						TAB NO	130	ATLAS F	ното но	130	POD S	EQUENCE NO 9:	19 -
JULY 31,196	64 13 HR	24 MIN 58	SEC 615	MS		TAB NO	130	ATLAS F	РНОТО МО	130	POD S	EQUENCE NO 9	19 _
												•	19 -
JULY 31,190			SEC 615		SEC TO	IMPACT	AL T	LAT	LON	R	٧	PTH AZ	
TRAJECTOR	Y DATA				SEC TO	IMPACT	ALT 117.04C04	LAT -9.886	LON -22.218	R 1852.499	V 5 2.546	•	
TRAJECTOR'	Y DATA				SEC 10 50.	IMPACT	ALT 117.04C04	LAT -9.886	LON -22.218	R 1852.499	V 5 2.546	PTH AZ -65.216 115.0	)48 -PT
TRAJECTOR'	Y DATA				SEC 10 50.	IMPACT	ALT 117.04C04 A* 2.75234	LAT -9.886 B/A AZF 0.843 -8	LON -22.218 PHAZ INCD	R 1852.499 PHAZ EMIS 38.3 32.5	V 5 2.546 ALPHA 28.9	PTH AZ -65.216 115.0	)48 -PT
TRAJECTOR'	Y DATA				SEC 10 50.	IMPACT	ALT 117.04C04 A* 2.75234 2.65909	B/A AZP 0.843 -8	LON -22.218 PHAZ INCD 38.1 68.1	R 1852-499 PHAZ EMIS 38-3 32-5 40-7 29-1	V 5 2.546 ALPHA 28.9	PTH AZ -65.216 115.0 SCALE PT- 0. 1- 8.83790 2-	PT - 2 - 3
TRAJECTOR'	Y DATA				SEC 10 50.	IMPACT	ALT 117.04C04 2.75234 2.659C9 2.77473	B/A AZP 0.843 -8	LON -22.218 PHAZ INCD 38.1 68.1	R 1852-499 PHAZ EMIS 38-3 32-5 40-7 29-1	V 5 2.546 ALPHA 28.9 26.5 31.6	PTH AZ -65.216 115.0 SCALE PT- 0. 1- 8.83790 2- 12.31894 3-	PT 2 3 4
TRAJECTOR  PHOTO DAT/ PT 1 AT 2 -10.855 3 -10.683 4 -10.656 5 -11.040 6 -11.052	LON -20.122 -20.362 -19.949 -19.863	RANGE 137.04129 132.61340 138.41598 142.31065	AZS/C -58.1 -59.5 -63.4 -56.9	AZN 10.5 9.7 10.8 11.2	SEC TO 50. AZ SUN -80.9 -79.8 -79.4 -82.0	AZA 31.9 31.7 31.0 32.2	ALT 117.04C04 A* 2.75234 2.65909 2.77473 2.85353	B/A AZF 0.843 -8 0.876 -8 0.836 -8 0.810 -9	LON -22.218 PHAZ INCD 88.1 68.1 85.4 67.8 84.9 68.2	R 1852-499 PHAZ EMIS 38-3 32-5 40-7 29-1 36-1 33-5 36-0 36-0	ALPHA 28.9 26.5 31.6 31.0	PTH AZ -65.216 115.0 SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4-	PT 2 3 4 5
TRAJECTOR  PHOTO DAT/ PT 1 AT 2 -10.855 3 -10.656 4 -10.656 5 -11.040	LUN -20.122 -20.362 -19.949 -19.863 -20.292		ALS/C -58.1 -59.5 -63.4 -56.9	AZN 10.5 9.7 10.8 11.2 10.1	SEC TD 50. AZ SUN -80.9 -79.8 -79.4 -82.0	AZA 31.9 31.7 31.0 32.2	ALT 117.04C04 2.75234 2.659C9 2.77473	B/A AZF 0.843 -8 0.876 -8 0.816 -9 0.811 -9	LON -22.218 PHAZ INCD 88.1 68.1 85.4 67.8 84.9 68.2 91.1 68.3	PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9	V 5 2.546 ALPHA 28.9 26.5 31.6 31.0 26.0	PTH AZ -65.216 115.0 SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4-	PT - 2 - 3 - 4 - 5 - 6
TRAJECTOR  PHOTO DAT/ PT 1 AT 2 -10.855 3 -10.683 4 -10.656 5 -11.040 6 -11.052	LON -20.122 -20.362 -19.949 -19.863 -20.292	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920	ALS/C -58.1 -59.5 -63.4 -56.9 -52.5	AZN 10.5 9.7 10.8 11.2 10.1	SEC TD 50. AZSUN -80.9 -79.8 -79.4 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9	ALT 117.04004 2.75234 2.65909 2.77473 2.85353 2.72969 2.65909	LAT -9.886 B/A AZP 0.843 -8 0.876 -8 0.810 -9 0.851 -9 0.851 -9	LON -22.218 PHAZ INCD 88.1 68.1 55.4 67.8 84.9 68.2 91.1 68.3 91.0 67.9 85.4 67.8	R 1852-499 PHAZ EMIS 38-3 32-5 40-7 29-1 36-1 33-5 36-0 36-0 40-6 31-9 40-7 29-1	V 5 2.546 ALPHA 28.9 26.5 31.6 31.0 26.0 26.5	PTH AZ -65.216 115.0  SCALE PT- 0. 2- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-	PT - 2 - 3 - 4 - 5 - 6 - 7
TRAJECTOR*  PHOTO DATA  PT 1AT  2 -10.855  3 -10.656  5 -11.040  6 -11.052  7 -10.683	Y DATA LIN -20.122 -20.362 -19.949 -19.863 -20.292 -20.362	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340	AZS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5	AZN 10.5 9.7 10.8 11.2 10.1 9.7	SEC TD 50. AZSUN -80.9 -79.8 -79.4 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2	ALT 117.04004 2.75234 2.65909 2.77473 2.85353 2.72969 2.65909	LAT -9.886 B/A AZP 0.843 -8 0.876 -8 0.810 -9 0.851 -9 0.851 -9	LON -22.218 PHAZ INCD 88.1 68.1 85.4 67.8 84.9 68.2 91.1 68.3	R 1852-499 PHAZ EMIS 38-3 32-5 40-7 29-1 36-1 33-5 36-0 36-0 40-6 31-9 40-7 29-1	V 5 2.546 ALPHA 28.9 26.5 31.6 31.0 26.0 26.5	PTH AZ -65.216 115.0  SCALE PT- 0. 2- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-  EQUENCE NO 9:	PT 2 3 4 5 5 6 7 7 020
TRAJECTOR' PHOTO DATA PT 1AT 2 -10.855 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196	Y DATA A LON -20.122 -20.362 -19.949 -19.863 -20.292 -20.362 64 13 HR	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340	AZS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5	AZN 10.5 9.7 10.8 11.2 10.1 9.7	SEC TD 50. AZSUN -80.9 -79.8 -79.4 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9	ALT 117.04004 2.75234 2.65909 2.77473 2.85353 2.72969 2.65909	LAT -9.886 B/A AZP 0.843 -8 0.876 -8 0.810 -9 0.851 -9 0.851 -9	LON -22.218 PHAZ INCD 88.1 68.1 55.4 67.8 84.9 68.2 91.1 68.3 91.0 67.9 85.4 67.8	R 1852-499 PHAZ EMIS 38-3 32-5 40-7 29-1 36-1 33-5 36-0 36-0 40-6 31-9 40-7 29-1	V 5 2.546 ALPHA 28.9 26.5 31.6 31.0 26.0 26.5	PTH AZ -65.216 115.0  SCALE PT- 0. 2- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-	PT 2 3 4 5 5 6 7 7 020
TRAJECTOR*  PHOTO DATA  PT 1AT  2 -10.855  3 -10.656  5 -11.040  6 -11.052  7 -10.683	Y DATA A LON -20.122 -20.362 -19.949 -19.863 -20.292 -20.362 64 13 HR	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340	AZS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5	AZN 10.5 9.7 10.8 11.2 10.1 9.7	SEC TO 50.  AZ SUN -80.9 -79.8 -79.4 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO	ALT 117.04004 2.75234 2.65909 2.77473 2.85353 2.72969 2.65909	B/A AZF 0.843 -8 0.836 -6 0.836 -6 0.810 -9 0.851 -9 0.876 -6 ATLAS F	LON -22-218 PHAZ INCD 88.1 68.1 68.1 67.8 64.9 68.2 21.1 68.3 21.0 67.8 PHOTO NO	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1	V 2.546 ALPHA 28.9 26.9 31.6 31.0 26.0 26.5	PTH AZ -65.216 115.0  SCALE PT- 0. 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-  EQUENCE NO 93	PT 2 3 4 5 5 6 7 7 020
TRAJECTOR:  PHOTO DATA PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:	Y DATA  LIN -20.122 -20.362 -19.949 -19.863 -20.292 -20.362 64 13 HR Y DATA	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59	ALS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5	AZN 10.5 9.7 10.8 11.2 10.1 9.7	SEC TO 50.  AZ SUN -80.9 -79.8 -79.8 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO	ALT 117.04C04 2.75234 2.659C9 2.77473 2.85353 2.72969 2.659C9	B/A AZF 0.843 -8 0.836 -6 0.836 -6 0.810 -9 0.851 -9 0.876 -6 ATLAS F	LON -22-218 PHAZ INCD 88.1 68.1 68.1 67.8 64.9 68.2 21.1 68.3 21.0 67.8 PHOTO NO	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1	V 2.546 ALPHA 28.9 26.9 31.6 31.0 26.0 26.5	PTH AZ -65.216 115.0 SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6- EQUENCE NO 93	PT 2 3 4 5 5 6 7 7 020
TRAJECTOR:  PHOTO DATA PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:	Y DATA  LIN -20.122 -20.362 -19.949 -19.863 -20.292 -20.362 64 13 HR Y DATA	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59	ALS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5	AZN 10.5 9.7 10.8 11.2 10.1 9.7	SEC TO 50.  AZ SUN -80.9 -79.8 -79.8 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO	ALT 117.04C04 2.75234 2.659C9 2.77473 2.85353 2.72969 2.659C9	B/A AZF 0.843 - 8 0.836 - 8 0.836 - 8 0.810 - 9 0.851 - 9 C.876 - 8 ATLAS F	LON -22.218 PHAZ INCO 88.1 68.1 55.4 67.8 84.9 68.2 11.1 68.3 11.0 67.9 15.4 67.8 PHOTO NO	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 131	V 5 2.546 ALPHA 28.9 26.5 31.0 26.0 26.5 POD S	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74222 5- 11.34950 6-  EQUENCE NO 9:  PTH AZ -65.200 115.0	PT - 2 - 3 - 4 - 5 - 7 - 7 - 20
TRAJECTOR:  PHOTO DATA PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:	Y DATA  LIN -20.122 -20.362 -19.949 -19.863 -20.292 -20.362 64 13 HR Y DATA	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59	ALS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5	AZN 10.5 9.7 10.8 11.2 10.1 9.7	SEC TO 50.  AZ SUN -80.9 -79.8 -79.8 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO	ALT 117.04C04 A• 2.75234 2.659C9 2.77473 2.85353 2.72969 2.659C9 131 ALT 115.09836	LAT -9.886 8/A AZF 0.843 -8 0.836 -8 0.816 -9 0.816 -9 0.851 -9 C.876 -8 ATLAS F	LON -22-218 PHAZ INCD 88.1 68.1 55.4 67.8 84.9 68.2 11.1 68.3 11.0 67.9 15.4 67.8 PHOTO NO  LON -22-192 PHAZ INCD	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 131 R 1850-556 PHAZ EMIS 38.3 27.5	V 5 2.546 ALPHA 28.9 26.5 31.0 26.0 26.5 POD S	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74222 5- 11.34950 6-  EQUENCE NO 9:  PTH AZ -65.200 115.0	PT - 2 - 3 - 4 - 5 - 7 - 7 - 20
TRAJECTOR:  PHOTO DATA PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:	Y DATA  LIN -20.122 -20.362 -19.949 -19.863 -20.292 -20.362 64 13 HR Y DATA	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59	ALS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5	AZN 10.5 9.7 10.8 11.2 10.1 9.7	SEC TO 50.  AZ SUN -80.9 -79.8 -79.8 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO	ALT 117.04C04 A• 2.75234 2.659C9 2.77473 2.85353 2.72969 2.659C9 131 ALT 115.09836	LAT -9.886 8/A AZF 0.843 -8 0.836 -8 0.816 -9 0.816 -9 0.851 -9 C.876 -8 ATLAS F	LON -22-218 PHAZ INCD 88.1 68.1 55.4 67.8 84.9 68.2 11.1 68.3 11.0 67.9 15.4 67.8 PHOTO NO  LON -22-192 PHAZ INCD	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 131 R 1850-556 PHAZ EMIS 38.3 27.5	V 5 2.546 ALPHA 28.9 26.5 31.0 26.0 26.5 POD S	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74222 5- 11.34950 6-  EQUENCE NO 9:  PTH AZ -65.200 115.0	PT - 2 - 3 - 4 - 5 - 7 - 7 - 20
TRAJECTOR:  PHOTO DATI PT 1 AT 2 -10.855 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI PT LAT 2 -10.852 3 -10.683 4 -10.656	Y DATA  LON -20.122 -20.362 -19.949 -10.869 -20.362 -20.362 -40.365 -20.129 -20.365 -19.959	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536	A4S/C -58.1 -59.5 -63.4 -50.9 -52.5 -59.5 SEC 455	AZN 10-5 9-7 10-8 11-2 10-1 9-7 MS	SEC TD 50.  AZSUN -80.9 -79.8 -79.4 -82.0 -82.3 -79.8  SEC TC 49.  AZSUN -80.9 -79.8	AZA 31.9 31.7 TAB NO	ALT 117.04C04 A• 2.75234 2.659C9 2.77473 2.85353 2.72969 2.659C9 131 ALT 115.09836	LAT -9.886 8/A AZF 0.843 -8 0.836 -8 0.816 -9 0.816 -9 0.851 -9 C.876 -8 ATLAS F	LON -22-218 PHAZ INCD 88.1 68.1 55.4 67.8 84.9 68.2 11.1 68.3 11.0 67.9 15.4 67.8 PHOTO NO  LON -22-192 PHAZ INCD	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 131 R 1850-556 PHAZ EMIS 38.3 27.5	V 5 2.546 ALPHA 28.9 26.5 31.0 26.0 26.5 POD S	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74222 5- 11.34950 6-  EQUENCE NO 9:  PTH AZ -65.200 115.0	PT - 2 - 3 - 4 - 5 - 7 - 7 - 20
TRAJECTOR'  PHOTO DATA  PT 1 AT  2 - 10.855  3 - 10.653  4 - 10.656  5 - 11.040  6 - 11.052  7 - 10.683  JULY 31,199  TRAJECTOR'  PHOTO DATA  PT LAT  2 - 10.852  3 - 10.683  4 - 10.656  5 - 11.033	Y DATA  LON -20.122 -20.362 -19.949 -19.863 -20.292 -20.362  64 13 HR Y DATA  LCN -20.129 -20.365 -19.959 -19.875	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536	AZS/C ->8.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 455	AZN 10.5 9.7 10.8 11.2 10.1 9.7 MS	SEC TO	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO  IMPACT 344  AZA 31.9 31.7 31.0 32.2	ALT 117.04co4 2.75234 2.659c9 2.77473 2.85353 2.72969 2.65909 131 ALT 115.09836 2.707C1 2.61531 2.729C1	LAT -9.886	LCN -22.218 PHAZ INCD 88.1 68.1 55.4 67.8 44.9 68.2 11.1 68.3 11.0 67.9 15.4 67.8 PHOTO NO -22.192 PHAZ INCD 88.1 68.1 55.4 67.8	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 131  R 1850.556 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5	V 2.546  ALPHA 28.9 26.5 31.6 31.0 26.5  POD S  V 2.547  ALPHA 28.9 26.5 31.6	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-  EQUENCE NO 9:  SCALE PT- 0. SCALE PT- 0. 8.69203 2- 11.71597 4-	PT - 2 - 3 - 4 - 5 - 7 - 20 - 3 - 4 - 5 - 5 - 5 - 7
TRAJECTOR:  PHOTO DATI PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI 2 -10.852 3 -10.683 4 -10.656 5 -11.033 6 -11.045	Y DATA  LON  -20.122 -20.362 -19.963 -20.292 -20.362  64 13 HR Y DATA  LCN -20.129 -20.365 -19.955 -19.875 -20.295	RANGE 132.01340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536 139.96477	ALS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 455	AZN 10.5 9.7 10.8 11.2 10.1 9.7 MS	SEC TO	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO  IMPACT 344  AZA 31.9 31.7 31.0 32.2	ALT 117.04co4 2.75234 2.659c9 2.77473 2.85353 2.72969 2.65909 131 ALT 115.09836 2.707C1 2.61531 2.729C1	LAT -9.886	LCN -22.218 PHAZ INCD 88.1 68.1 55.4 67.8 44.9 68.2 11.1 68.3 11.0 67.9 15.4 67.8 PHOTO NO -22.192 PHAZ INCD 88.1 68.1 55.4 67.8	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 131  R 1850.556 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5	V 2.546  ALPHA 28.9 26.5 31.6 31.0 26.5  POD S  V 2.547  ALPHA 28.9 26.5 31.6	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-  EQUENCE NO 9:  SCALE PT- 0. SCALE PT- 0. 8.69203 2- 11.71597 4-	PT - 2 - 3 - 4 - 5 - 7 - 20 - 3 - 4 - 5 - 5 - 5 - 7
TRAJECTOR:  PHOTO DATI PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI 2 -10.852 3 -10.683 4 -10.656 5 -11.033 6 -11.045	Y DATA  LON -20.122 -20.362 -19.949 -19.863 -20.292 -20.362  64 13 HR Y DATA  LCN -20.129 -20.365 -19.959 -19.875	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536	ALS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 455	AZN 10.5 9.7 10.8 11.2 10.1 9.7 MS	SEC TD 50.0  AZ SUN -80.9 -79.4 -82.0 -82.3 -79.8  SEC TC 49.  AZ SUN -80.9 -79.4 -82.4	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO  IMPACT 344  AZA 31.9 31.7 31.0 32.2	ALT 117.04co4 2.75234 2.659c9 2.77473 2.85353 2.72969 2.65909 131 ALT 115.09836 2.707c1 2.61531 2.729c1	LAT -9.886	LCN -22.218 PHAZ INCD 88.1 68.1 55.4 67.8 44.9 68.2 11.1 68.3 11.0 67.9 15.4 67.8 PHOTO NO -22.192 PHAZ INCD 88.1 68.1 55.4 67.8	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 131 R 1850-556 PHAZ EMIS 38.3 27.5	V 2.546  ALPHA 28.9 26.5 31.6 31.0 26.5  POD S  V 2.547  ALPHA 28.9 26.5 31.6	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74222 5- 11.34950 6-  EQUENCE NO 9:  PTH AZ -65.200 115.0	PT - 2 - 3 - 4 - 5 - 7 - 20 - 3 - 4 - 5 - 5 - 5 - 7
TRAJECTOR' PHOTO DATA PT 1 AT 2 -10.8955 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196  TRAJECTOR' PHOTO DATA PT LAT 2 -10.852 3 -10.683 4 -10.656 5 -11.033 6 -11.045 7 -10.683	Y DATA  A LON -20,122 -20,362 -19,949 -19,863 -20,292 -20,362 -19,129 -20,362 -19,129 -20,365 -19,125 -20,126 -19,125	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536 139.96477 133.92642 130.42988	A(S/C ->8.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 455 A(S/C -54.1 -59.5 -63.4 -59.5 -63.4 -59.5 -59.5	AZN 10.5 9.7 10.8 11.2 19.7 MS AZN 10.5 9.7 10.8 11.2 19.7	SEC TO 50.  AZ SUN -60.9 -79.8 -79.8 -79.8 -82.0 -82.3 -79.8 -79.4 -82.0 -9.9 -79.8 -79.4 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO  IMPACT 344  AZA 31.9 31.7 31.0 32.2 32.9	ALT 117.04co4 A• 2.75234 2.659c9 2.77473 2.85353 2.72969 2.65909 131 ALT 115.09836 A• 2.707c1 2.61531 2.729c1 2.80649 2.68473 2.61531	B/A AZF 0.843 - E 0.843 - E 0.816 - 9 0.816 - 9 0.816 - 9 ATLAS F B/A AZF 0.816 - E 0.816 - E	LON -22.218  PHAZ INCD 18.1 68.1 68.1 68.1 68.1 68.1 68.2 11.1 68.3 11.0 67.8 11.0 67.8 11.0 67.8 11.1 68.3 11.0 68.2 11.1 68.3 11.0 68.2 11.1 68.3 11.0 68.2 11.1 68.3 11.0 67.8 11.0 67.	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 1850-55 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1	V 2.546 ALPHA 28.9 26.5 31.6 31.0 26.0 26.5 POD S  V 2.547 ALPHA 28.9 26.5 31.6 31.0 26.0 26.5	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 11.34950 6-  EQUENCE NO 9:  PTH AZ -65.200 115.0  SCALE PT- 0. 1- 8.69203 2- 12.11531 3- 11.71507 4- 12.53201 5- 11.16245 6-	PT 2 3 4 5 6 7 7 220 - 4 5 6 7 7
TRAJECTOR:  PHOTO DATI PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI 2 -10.852 3 -10.683 4 -10.656 5 -11.033 6 -11.045	Y DATA  A LON -20,122 -20,362 -19,949 -19,863 -20,292 -20,362 -19,129 -20,362 -19,129 -20,365 -19,125 -20,126 -20,365 -20,365	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536 139.96477 133.92642 130.42988	A(S/C ->8.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 455 A(S/C -54.1 -59.5 -63.4 -59.5 -63.4 -59.5 -59.5	AZN 10.5 9.7 10.8 11.2 19.7 MS AZN 10.5 9.7 10.8 11.2 19.7	SEC TO 50.  AZ SUN -60.9 -79.8 -79.8 -79.8 -82.0 -82.3 -79.8 -79.4 -82.0 -9.9 -79.8 -79.4 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO  IMPACT 344  AZA 31.9 31.7 31.0 32.2	ALT 117.04co4 A• 2.75234 2.659c9 2.77473 2.85353 2.72969 2.65909 131 ALT 115.09836 A• 2.707c1 2.61531 2.729c1 2.80649 2.68473 2.61531	B/A AZF 0.843 - E 0.843 - E 0.816 - 9 0.816 - 9 0.816 - 9 ATLAS F B/A AZF 0.816 - E 0.816 - E	LCN -22.218 PHAZ INCD 88.1 68.1 55.4 67.8 44.9 68.2 11.1 68.3 11.0 67.9 15.4 67.8 PHOTO NO -22.192 PHAZ INCD 88.1 68.1 55.4 67.8	R 1852-499 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 1850-55 PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1	V 2.546 ALPHA 28.9 26.5 31.6 31.0 26.0 26.5 POD S  V 2.547 ALPHA 28.9 26.5 31.6 31.0 26.0 26.5	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-  EQUENCE NO 9:  SCALE PT- 0. SCALE PT- 0. 8.69203 2- 11.71597 4-	PT 220
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TRAJECTOR:  PHOTO DATI PT 1 AT 2 -10.855 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196 PHOTO DATI PT LAT 2 -10.852 3 -10.683 4 -10.656 5 -11.033 6 -11.045 7 -10.683  JULY 31,196 TRAJECTOR:	Y DATA  LON  -20.122 -20.362 -19.963 -20.292 -20.362  64 13 HR  Y DATA  LCN -20.129 -20.365 -19.959 -19.875 -20.365 -20.365	RANGE 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536 139.96477 133.92642 130.42988	ACS/C -38.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 455 AZS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 295	AZN 10.5 9.7 10.8 11.2 10.1 9.7 MS	SEC TO 50.  AZ SUN 60.9 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO  IMPACT 344  AZA 31.9 31.7 TAB NO  IMPACT 31.0 32.2 32.9 31.7 TAB NO	ALT 117.04co4 A. 2.659c9 2.775234 2.659c9 2.77473 2.85353 2.72969 2.659c9 131 ALT 115.09836 A. 2.707c1 2.61531 2.729c1 2.80649 2.61531 132	B/A AZP 0.843 - E 0.816 - 9 0.816 - 9 0.816 - 9 0.816 - 9 0.817 - 9 0.811 -	LON -22.218  PHAZ INCD 88.1 68.1 155.4 67.8 14.9 68.2 12.1 68.3 12.0 67.9 12.0 67.9 PHOTO NO  LON -22.192 PHAZ INCD 88.1 68.1 155.4 67.8 PHOTO NO  LCON -22.167 PHAZ INCD 88.1 68.1 1.0 67.8 PHOTO NO	R 1852-499  PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 1850-554  PHAZ EMIS 38.3 32.5 40.7 29.1 131  R 1850-554  PHAZ EMIS 36.1 33.5 36.0 36.0 40.7 29.1 132  R 1848-613  PHAZ EMIS 38.3 32.5 40.7 29.1 132	V 2.546 ALPHA 28.9 26.5 31.6 31.0 26.5 POD S V 2.547 ALPHA 28.9 26.5 POD S V 2.548 ALPHA 28.9 26.5	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 21.74292 5- 11.34950 6-  EQUENCE NO 9:  SCALE PT- 0. 1- 8.69203 2- 12.11531 3- 11.71507 4- 12.53201 5- 11.16245 6-  EQUENCE NO 9:  PTH AZ -65.183 115.0  SCALE PT- 0. 9:  SCALE PT- 0. 9:  PTH AZ -65.183 115.0	PT 2 3 4 5 6 7 7 220 221 221 23 39 PT 2 2 3
TRAJECTOR:  PHOTO DATI PT 1 AT 2 -10.8955 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI PT LAT 2 -10.683 4 -10.656 5 -11.033 6 -11.045 7 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI PT LAT 2 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI PT LAT 2 -10.684 3 -10.682 4 -10.685	Y DATA  A LON -20.122 -20.362 -19.949 -19.863 -20.292 -20.362  64 13 HR Y DATA A LCN -20.129 -20.365 -19.959 -20.365 -19.959 -20.365 -20.365 -20.367 -20.367 -20.367 -20.367	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536 139.96477 133.92642 130.42988 25 MIN 0	ACS/C -38.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 455 AZS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 295	AZN 10.5 9.7 10.8 11.2 10.1 9.7 MS	SEC TO 50.9  AZ SUN -60.9 -79.8 -79.8 -79.8 -79.8 SEC TO 49.  AZ SUN -80.9 -79.8 -79.8  SEC TO -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO IMPACT 344 AZA 31.9 31.7 TAB NO IMPACT 504 AZA 31.9 31.7 31.0	ALT 117.04co4 A. 2.659c9 2.75234 2.659c9 2.77473 2.85353 2.72969 2.659c9 131 ALT 115.09836 2.707c1 2.61531 2.729c1 2.68473 2.68473 2.61531 132 ALT 113.15615 A. 2.66166 2.57150	LAT -9.886  6.843 -2 6  6.843 -6  6.843 -6  6.810 -9  6.810 -9  6.876 -6  ATLAS F  LAT -9.897  6.843 -6  6.810 -9  6.851 -9  6	LCN -22.218  PHAZ INCD 18.1 68.1 15.4 67.8 11.0 67.9 12.1 68.3 11.0 67.9 15.4 67.8 16.0 67.9 16.0 67.9 17.0 67.9 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1	R 1852-499  PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 36.1 33.5 40.7 29.1 36.1 33.5 40.7 29.1 36.0 36.0 40.6 31.9 40.7 29.1 36.1 33.5 40.7 29.1 36.1 33.5 40.7 29.1 36.1 33.5	V 2.546 ALPHA 28.9 26.5 31.6 31.0 26.5 POD S  V 2.547 ALPHA 28.9 26.5 31.6 26.0 26.5 POD S	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-  EQUENCE NO 9:  SCALE PT- 0. 69203 2- 12.11531 3- 11.71507 4- 12.53201 5- 11.16245 6-  EQUENCE NO 9:  PTH AZ -65.183 115.0  SCALE PT- 0. 65.183 115.0	PT 2 3 4 5 6 7 7 1221 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2
TRAJECTOR:  PHOTO DATI PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI 2 -10.852 3 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI 2 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI PT LAT 2 -10.683	Y DATA  LON  -20.122 -20.362 -19.963 -20.292 -20.362  64 13 HR Y DATA  LCN -20.129 -20.365 -19.959 -17.875 -20.365  64 13 HR Y DATA  LCN -20.137 -20.365 -19.969 -19.969	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59  RANGE 134.78409 130.42988 136.13536 139.96477 133.92642 130.42988 25 MIN 0	AZS/C -58.1 -59.5 -56.4 -56.9 -52.5 -59.5 SEC 455 AZS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 295	AZN 10.5 9.7 10.8 11.2 10.1 9.7 MS AZN 10.5 9.7 10.8 11.2 10.1 9.7 MS	SEC TO 50.  AZ SUN 60.9 -79.8 -79.8 -79.8 -79.8 -79.8 SEC TO 49.  AZ SUN 60.9 -79.8 -79.4 -82.0 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO  IMPACT 344  AZA 31.9 31.7 TAB NO  IMPACT 31.0 32.2 32.9 31.7 TAB NO	ALT 117.04co4 A. 2.659c9 2.75234 2.659c9 2.77473 2.85353 2.72969 2.659c9 131 ALT 115.09836 2.707c1 2.61531 2.729c1 2.68473 2.68473 2.61531 132 ALT 113.15615 A. 2.66166 2.57150	LAT -9.886  6.843 -2 6  6.843 -6  6.843 -6  6.810 -9  6.810 -9  6.876 -6  ATLAS F  LAT -9.897  6.843 -6  6.810 -9  6.851 -9  6	LCN -22.218  PHAZ INCD 18.1 68.1 15.4 67.8 11.0 67.9 12.1 68.3 11.0 67.9 15.4 67.8 16.0 67.9 16.0 67.9 17.0 67.9 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1 18.1 68.1	R 1852-499  PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 40.7 29.1 36.1 33.5 40.7 29.1 36.1 33.5 40.7 29.1 36.0 36.0 40.6 31.9 40.7 29.1 36.1 33.5 40.7 29.1 36.1 33.5 40.7 29.1 36.1 33.5	V 2.546 ALPHA 28.9 26.5 31.6 31.0 26.5 POD S  V 2.547 ALPHA 28.9 26.5 31.6 26.0 26.5 POD S	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-  EQUENCE NO 9:  SCALE PT- 0. 8.69203 2- 12.11531 3- 11.71507 4- 12.53201 5- 11.16245 6-  EQUENCE NO 9:  PTH AZ -65.183 115.0  SCALE PT- 0. SCALE PT- 0. SCALE PT- 0. 8.69203 2- 12.11531 3- 11.71507 4- 12.53201 5- 11.516245 6-  EQUENCE NO 9:  PTH AZ -65.183 115.0  SCALE PT- 0. SCALE PT- 0. 11.91162 3- 11.91162 3- 11.91162 4- 11.91162 4-	PT 2 3 4 5 5 6 7 7 221 23 9 PT 2 2 3 4 5 5 5 5 6 5 7
TRAJECTOR:  PHOTO DATI PT 1 AT 2 -10.4855 3 -10.683 4 -10.656 5 -11.040 6 -11.052 7 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI 2 -10.852 3 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI 2 -10.683  JULY 31,196  TRAJECTOR:  PHOTO DATI PT LAT 2 -10.683	Y DATA  LON -20.122 -20.362 -19.963 -20.292 -20.362  64 13 HR Y DATA  LCN -20.129 -20.365 -19.959 -19.865 -20.366  LCN -20.367 -20.369 -19.959 -19.969 -19.866 -20.369 -19.969	RANGE 137.04129 132.61340 138.41598 142.31065 136.16920 132.61340 24 MIN 59 RANGE 134.78409 130.42988 136.13536 139.96477 133.92642 25 MIN 0	AZS/C -58.1 -59.5 -56.4 -56.9 -52.5 -59.5 SEC 455 AZS/C -58.1 -59.5 -63.4 -56.9 -52.5 -59.5 SEC 295	AZN 10.5 9.7 10.8 11.2 10.1 9.7 MS	SEC TO 50.  AZ SUN -60.9 -79.4 -82.0 -79.8  SEC TO 49.  AZ SUN -80.9 -79.8 -79.4 -82.3 -79.8	AZA 31.9 31.7 31.0 32.2 32.9 31.7 TAB NO IMPACT 344 AZA 31.9 31.7 TAB NO IMPACT 504 AZA 31.9 31.7 31.0	ALT 117.04co4 A. 2.659c9 2.775234 2.659c9 2.77473 2.85353 2.72969 2.65909 131 ALT 115.09836 2.707c1 2.61531 2.729c1 2.806473 2.61531 132 ALT 113.15613 ALT 113.15613	LAT -9.886  B/A AZF 0.843 -8 (0.876	LON -22.218  PHAZ INCD 18.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1	R 1852-499  PHAZ EMIS 38.3 32.5 40.7 29.1 36.1 33.5 36.0 36.0 40.6 31.9 1850-554  PHAZ EMIS 38.3 32.5 40.7 29.1 131  R 1850-554  PHAZ EMIS 36.1 33.5 36.0 36.0 40.7 29.1 132  R 1848-613  PHAZ EMIS 38.3 32.5 40.7 29.1 132	V 2.546  ALPHA 28.9 26.5 31.6 31.0 26.0 26.5 POD S  V 2.547  ALPHA 28.9 26.5 31.6 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	PTH AZ -65.216 115.0  SCALE PT- 0. 1- 8.83790 2- 12.31894 3- 11.91177 4- 12.74292 5- 11.34950 6-  EQUENCE NO 9:  SCALE PT- 0. 69203 2- 12.11531 3- 11.71507 4- 12.53201 5- 11.16245 6-  EQUENCE NO 9:  PTH AZ -65.183 115.0  SCALE PT- 0. 65.183 115.0	PT 2 3 4 5 5 6 7 7 221

	RA-VII CAMERA	, P4 23
JULY 31,1964 13 HR 25 MIN 1 SEC 135 MS	TAB NO	133 ATLAS PHOTO NO 133 POD SEQUENCE NO 922
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH AZ 111.21315 -9.921 -22.141 1846,668 2.549 -65.166 115.034
PHOTO DATA	47.664	
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.845 -20.144 130.26611 -58.1 10.5 3 -10.681 -20.372 126.05931 -59.4 9.7	-80.9 31.9	2.61627 0.844 -88.1 68.0 38.3 32.5 28.9 0. 1- 2
3 -10.681 -20.372 126.05931 -59.4 9.7 4 -10.655 -19.980 131.57062 -63.3 10.8	-79.8 31.7 -79.4 31.0	2.52767 0.876 -85.4 67.8 40.7 29.1 26.5 8.39999 2-3 2.63751 0.836 -64.9 68.2 36.1 33.4 31.6 11.70783 3-4 2.71235 C.811 -91.1 68.3 36.0 35.9 31.0 11.32156 4-5
5 -11.020 -19.898 135.26951 -56.9 11.2 6 -11.031 -20.305 129.43732 -52.5 10.1	-82.0 32.2 -82.3 32.8	2.71235 C.811 -91.1 68.3 36.0 35.9 31.0 11.32156 4-5 2.59474 C.651 -91.0 67.9 40.6 31.8 26.0 12.11001 5-6
7 -10.681 -70.372 126.05931 -59.4 9.7	-79.8 31.7	2.52767 0.876 -85.4 67.8 40.7 29.1 26.5 10.78803 6- 7
	TAB NO	134 ATLAS PHOTO NO 134 POD SEQUENCE NO 923
JULY 31,1964 13 HR 25 MIN 1 SEC 975 HS		
	SEC TO IMPACT 46.824	ALT LAI LCN R Y PTH AZ 1C9.26964 -9.933 -22.116 1844.725 2.550 -65.150 115.030
PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.841 -20.151 128.00527 -58.1 10.5 3 -10.681 -20.375 123.87220 -59.4 9.7	AZSUN AZA	A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.841 -20.151 128.00527 -58.1 10.5	AZSUN AZA -80.9 31.9 -79.8 31.7	2.57086 0.844 -88.1 68.0 38.3 32.5 28.9 0. 1- 2 2.48382 0.876 -85.4 67.8 40.7 29.0 26.5 8.25382 2- 3
4 -10.655 -19.990 129,28642 -63.3 10.8	-79.4 31.0 -82.0 32.2	2.59172 C.836 -84.9 68.2 36.1 33.4 31.6 11.50396 3-4 2.66524 C.811 -91.1 68.3 36.C 35.9 31.0 11.12456 4-5
6 -11.025 -20.310 127.19091 -52.5 10.1	-82.3 32.8	2.54971 0.851 -91.0 67.9 40.6 31.8 26.0 11.89889 5- 6
7 -10.681 -20.375 123.87220 -59.4 9.7	-79.8 31.7	2.48382 0.876 -85.4 67.8 40.7 29.0 26.5 10.60047 6-7
JULY 31,1964 13 HR 25 MIN 2_SEC 815 MS	TAR NO	135 ATLAS PHOTO NO 135 POD SEQUENCE NO 924
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PTH AZ 1C7.32570 -9.545 -22.090 1842.781 2.551 -65.133 115.025
PHOTG DATA		
PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.836 -20.158 125.74342 -58.1 10.5 3 -10.680 -20.379 121.66407 -59.4 9.7	AZŞUN AZA -80.9 31.9	2 52544 0 844 -88 1 48 0 38 3 32.5 28.8 0. 1- 2
3 -10.680 -20.379 121.66407 -59.4 9.7	-79.8 31.7	2.43994 0.876 -85.4 67.8 40.7 29.0 26.5 8.10767 2- 3
4 -10.655 -70.000 127.00120 -63.3 10.8 5 -11.007 -19.921 130.56957 -56.9 11.2	-82.0 32.2	2.61811 0.811 -91.1 68.3 36.0 35.9 30.9 10.92756 4- 5
6 -11-01H -20-314 124-94350 -52-5 10-1	-82.3 32.8 -79.8 31.7	2.50466 0.851 -90.9 67.9 40.6 31.8 26.0 11.68770 5- 6
	TAB NO	136 ATLAS PHOTO NO 136 POD SEQUENCE NO 925
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS TRAJECTORY DATA	TAB NO SEC TO IMPACT 45.144	ALT LAI LCN R V PIH AZ 155.38103 -9.956 -22.064 1840.836 2.552 -65.116 115.020
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS TRAJECTORY DATA	TAB NO SEC TO IMPACT 45.144	ALT LAI LCN R V PIH AZ 155.38103 -9.956 -22.064 1840.836 2.552 -65.116 115.020
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.679 -20.382 119.49458 -59.4 9.7	TAB NO SEC TO IMPACT 45.144  AZ SUN AZA -80.9 31.9 -79.8 31.7	ALT LAT LCN N V PTH AZ 1C5.38103 -9.956 -22.064 1840.836 2.552 -65.116 115.020  A+ B/A AZPHAZ INCO PHAZ ENIS ALPHA SCALE PT-PT 2.47998 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1-2 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.59007 0.836 -84.9 68.2 36.1 33.4 31.5 11.09596 3-4
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.679 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.010 124.71459 -63.3 10.8 5 -11.001 -19.933 128.21769 -65.9 11.2	TAB NO  SEC TO IMPACT 45.144  AZSUM AZA -80.9 31.9 -79.8 31.7 -79.4 31.1 -82.0 32.2	ALT LAT LCN R V PTH AZ 105.38103 -9.956 -22.064 1840.836 2.552 -65.116 115.020  A+ VA AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2.4798 0.844 -88.1 68.0 38.3 32.5 28.8 01-2 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.50007 0.836 -84.9 68.2 36.1 33.4 31.5 11.09596 3-4 2.57095 0.811 -91.1 68.3 36.0 35.9 30.9 10.73036 4-5
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.679 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.101 124.71459 -53.3 10.8 5 -11.001 -19.933 128.21769 -56.9 11.2 6 -11.011 -20.319 122.09469 -52.5 10.1	TAB NO SEC TO IMPACT 45.144  AZSUN AZA -80.9 31.9 -79.4 31.1 -82.0 32.2 -82.3 32.8	ALT LAI LCN R V PTH AZ 1C5.38103 -9.956 -22.064 1840.836 2.552 -65.116 115.020  A+ B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2.47998 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1-2 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.5500C 7 0.836 -84.9 68.2 36.1 33.4 31.5 11.09596 3-4
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.679 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.101 124.71459 -53.3 10.8 5 -11.001 -19.933 128.21769 -56.9 11.2 6 -11.011 -20.319 122.09469 -52.5 10.1	TAB NO  SEC TO IMPACT 45.144  AZSUN AZA -80.9 31.9 -79.8 31.7 -79.4 31.1 -82.0 32.2 -82.3 32.8 -79.8 31.7	ALT LAT LCN R V PTH AZ 1840.836 2.552 -65.116 115.020  AB B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2.4798 0.844 -88.1 68.0 38.3 32.5 28.8 01-2 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.550007 0.836 -84.9 68.2 36.1 33.4 31.5 11.09596 3-4 2.57095 0.811 -91.1 68.3 36.0 35.9 30.9 10.73036 4-5 2.45958 0.851 -90.9 67.9 40.6 31.8 26.0 11.47640 5-6 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6-6
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.679 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.101 124.71459 -53.3 10.8 5 -11.001 -19.933 128.21769 -56.9 11.2 6 -11.011 -20.319 122.09469 -52.5 10.1	TAB NO SEC TO IMPACT 45.144  AZSUN AZA -80.9 31.9 -79.4 31.1 -82.0 32.2 -82.3 32.8	136 ATLAS PHOTO NO 136 POD SEQUENCE NO 925  ALT LAI LCN N V PTH AZ 1C5.38103 -9.956 -22.064 1840.836 2.552 -65.116 115.020  A* B/A AZPHAZ INCO PHAZ ENIS ALPHA SCALE PT-PT 2.47998 0.844 -88.1 68.0 38.3 32.5 28.8 01- 2 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2- 3 2.55007 0.836 -84.9 68.2 36.1 33.4 31.5 11.09596 3- 4 2.57095 0.811 -91.1 68.3 36.0 35.9 30.9 10.73036 4- 5 2.45958 0.851 -90.9 67.9 60.6 31.8 26.0 11.47640 5- 6 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6- 7
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.679 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.101 124.71459 -63.3 10.8 5 -11.001 -19.933 128.21769 -56.9 11.2 6 -11.011 -20.319 122.09469 -52.2 10.1 7 -10.679 -20.382 119.49458 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 4 SEC 495 MS  TRAJECTURY DATA	TAB NO  SEC TO IMPACT 45.144  AZSUN AZA -80.9 31.9 -79.8 31.7 -79.4 31.1 -82.0 32.2 -82.3 32.8 -79.8 31.7	ALT LAI LCN R V PTH AZ 1C5.38103 -9.956 -22.064 1840.836 2.552 -65.116 115.020  A** B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2.47998 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1-2 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.55007 0.836 -84.9 68.2 36.1 33.4 31.5 11.09596 3-4 2.57095 0.811 -91.1 68.3 36.0 35.9 30.9 10.73036 4-5 2.45958 0.851 -90.9 67.9 40.6 31.8 26.0 11.47640.5-6 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6-7 137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926
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JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.673 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.010 124.71459 -63.3 10.8 5 -11.001 -19.333 128.21769 -56.9 11.2 6 -11.011 -70.319 122.09469 -52.5 10.1 7 -10.679 -20.382 119.49458 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 4 SEC 495 MS  TRAJECTURY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.831 -20.173 121.21582 -58.1 10.5 3 -10.679 -20.385 117.30402 -59.4 9.7 4 -10.654 -20.020 122.42694 -63.3 10.8 5 -10.994 -19.944 125.86479 -56.9 11.2 6 -11.004 -20.323 120.44483 -52.6 10.1 7 -10.679 -20.385 117.30402 -59.4 9.7 JULY 31,1964 13 HR 25 MIN 5 SEC 335 MS  TRAJECTORY DATA	TAB NO  SEC TO IMPACT 45.144  AZSUN AZA -80.9 31.9 -79.8 31.7 -79.4 31.1 -82.0 32.2 -82.3 32.8 -79.8 31.7  TAB NO  SEC TO IMPACT 44.304  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 47.94 31.1 -82.0 32.1	ALT LAI LCN R V PTH AZ 1.5.7098 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1.2.254 65.099 115.016  ALT LAI LCN R V PTH AZ 1.5.7098 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1.2.2543 6.7 7.8198 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1.2.500.7 10.326 4.5 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.5502 7.96140 2.3 2.3 2.4552 7.8615 7.96140 2.3 2.45558 7.96140 2.3 2.45558 7.96140 5.6 7.8 40.7 29.0 26.5 7.96140 5.6 7.8 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6.7 7.8150 2.3 2.35211 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6.7 2.33211 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.836 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.836 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.45421 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.35211 0.876 -85.4 67.8 40.7 29.0 26.5 10.03766 6.7 7.81510 2.3 2.35211 0.876 -85.4 67.8 40.7 29.0 26.5 10.03766 6.7 7.81510 2.3 2.35211 0.876 -85.4 67.8 40.7 29.0 26.5 10.03766 6.7 7.81510 2.3 2.5 40.8 2.5 40.8 2.5 50.8 2.1 1.25504 5.6 2.35211 0.876 -85.4 67.8 40.7 29.0 26.5 10.03766 6.7 7.81510 2.9 2.5 50.8 2.1 1.25504 5.6 2.35211 0.876 -85.4 67.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0 26.5 50.03766 6.7 7.8 40.7 29.0
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JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.673 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.010 124.71459 -63.3 10.8 5 -11.001 -19.933 128.21769 -56.9 11.2 6 -11.011 -20.319 122.69469 -52.5 10.1 7 -10.679 -20.382 119.49458 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 4 SEC 495 MS  TRAJECTORY DATA PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.831 -20.173 121.21582 -58.1 10.5 3 -10.679 -20.385 117.30402 -59.4 9.7 4 -10.654 -20.020 122.42694 -63.3 10.8 5 -10.994 -19.944 125.86479 -56.9 11.2 6 -11.004 -20.323 120.44483 -52.6 10.1 7 -10.679 -20.385 117.30402 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 5 SEC 335 MS  TRAJECTORY DATA PHOTO DATA PT LAT LUN RANGE AZS/C AZN 2 -10.827 -20.385 117.30402 -59.4 9.7	TAB NO  SEC TO IMPACT 45.144  AZSUN AZA -80.9 31.9 -79.8 31.7 -79.4 31.1 -42.0 32.2 -42.3 32.8 -79.8 31.7  TAB NO  SEC TO IMPACT 44.304  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 43.464  AZSUN AZA -80.9 31.9 -79.8 31.7	ALT LAI LCN R V PTH AZ L47998 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1.2554 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.43450 0.844 -88.1 68.0 38.3 32.5 28.8 0. 11.47640.5 4.2 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6-7 22.39604 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.45026 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.45928 0.851 -91.1 68.3 36.0 35.9 30.9 10.73036 4-5 2.45928 0.851 -90.9 67.9 40.6 31.8 26.0 11.47640.5 4-5 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6-7 137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926 103.43593 -9.968 -22.038 1838.891 2.554 -65.099 115.016
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.679 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.101 124.71459 -63.3 10.8 5 -11.001 -19.933 128.21769 -56.9 11.2 6 -11.011 -20.319 122.69469 -52.5 10.1 7 -10.679 -20.382 119.49458 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 4 SEC 495 MS  TRAJECTURY DATA PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.831 -20.173 121.21582 -58.1 10.5 3 -10.679 -20.385 117.30402 -59.4 9.7 4 -10.654 -20.020 122.42694 -63.3 10.8 5 -10.994 -19.944 125.86479 -56.9 11.2 6 -11.004 -20.323 120.44483 -52.6 10.1 7 -10.679 -20.385 117.30402 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 5 SEC 335 MS  TRAJECTORY DATA PHOTO DATA PT LAT LUN RANGE AZS/C AZN 2 -10.827 -20.385 117.30402 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 5 SEC 335 MS  TRAJECTORY DATA PHOTO DATA PT LAT LUN RANGE AZS/C AZN 2 -10.827 -20.389 117.30402 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 5 SEC 335 MS  TRAJECTORY DATA PHOTO DATA PT LAT LUN RANGE AZS/C AZN 2 -10.827 -20.180 118.95033 -58.1 10.5 3 -10.678 -20.349 115.11232 -59.4 9.7 4 -10.654 -20.0302 120.13815 -63.3 10.6 5 -10.987 -19.956 123.51075 -56.9 11.7	TAB NO  SEC TO IMPACT 45.144  AZSUN AZA -80.9 31.9 -79.8 31.7 -79.4 31.1 -82.0 32.2 -79.8 31.7  TAB NO  SEC TO IMPACT 44.304  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 44.304  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 43.464  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO	ALT LAI LCN R V PTH AZ 1.5.7098 0.811 -91.1 68.0 38.3 32.5 28.8 0. 1.2.2543 6-7  ALT LAI LCN R V PTH AZ 1.5.7098 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1.2.2543 6-7  A** B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT 2.4.7998 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1.2.2500.7 0.836 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.500.7 0.836 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.4.7958 0.851 -90.9 67.9 40.6 31.8 26.0 11.47640.5 -6 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6-7  ALT LAI LCN R V PTH AZ 1.6.3 36.0 35.9 30.9 10.73036 4-5 2.45958 0.851 -90.9 67.9 40.6 31.8 26.0 11.47640.5 -6 7.8 40.7 29.0 26.5 10.22543 6-7  137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926  ALT LAI LCN R V PTH AZ 1.6.3 4.6.0 38.3 32.5 28.8 0. 1 -2 2.35210 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6-7  2.43450 C.844 -88.1 68.0 38.3 32.5 28.8 0. 1 -2 2.35211 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2-3 2.45421 0.836 -85.4 67.8 40.7 29.0 26.5 7.81510 2-3 2.45421 0.836 -85.4 67.8 40.7 29.0 26.5 7.81510 2-3 2.45421 0.836 -85.4 67.8 40.7 29.0 26.5 7.81510 2-3 2.45421 0.836 -85.4 67.8 40.7 29.0 26.5 7.81510 2-3 1.45642 0.851 -90.9 67.9 40.6 31.8 25.9 11.25504 5-6 2.35211 0.876 -85.4 67.8 40.7 29.0 26.5 10.03766 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927  ALI LAI LON R V PTH AZ 1.6504 5-6 2.3521 0.876 -85.4 67.8 40.7 29.0 26.5 10.03766 6-7  138 ATLAS PHOTO NO 138 POD SEQUENCE NO 927  ALI LAI LON R V PTH AZ 1.661 1.661 1.661 1.66766 1.76 1.76 1.7
JULY 31,1964 13 HR 25 MIN 3 SEC 655 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.834 -20.166 123.48014 -58.1 10.5 3 -10.679 -20.382 119.49458 -59.4 9.7 4 -10.655 -20.101 124.71459 -53.3 10.8 5 -11.001 -19.933 128.21769 -56.9 11.2 6 -11.011 -20.319 122.09469 -52.3 10.1 7 -10.679 -20.382 119.49458 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 4 SEC 495 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LCN RANGE AZS/C AZN 2 -10.837 -20.385 117.30402 -59.4 9.7 4 -10.654 -20.020 122.42694 -63.3 10.8 5 -10.094 -19.944 125.86479 -56.9 11.2 6 -11.004 -20.323 120.44483 -52.6 10.1 7 -10.679 -20.385 117.30402 -59.4 9.7  JULY 31,1964 13 HR 25 MIN 5 SEC 335 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LN RANGE AZS/C AZN 2 -10.827 -20.180 118.95033 -58.1 10.5 3 -10.678 -20.380 117.30402 -59.4 9.7	TAB NO  SEC TO IMPACT 45-144  AZSUN ALA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 44.304  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 44.304  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 43.464  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 43.464  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 43.464  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO  SEC TO IMPACT 43.464  AZSUN AZA -80.9 31.9 -79.8 31.7  TAB NO	ALT LAI LCN R V PTH AZ L47998 0.844 -88.1 68.0 38.3 32.5 28.8 0. 1.2554 0.876 -85.4 67.8 40.7 29.0 26.5 7.81510 2.3 2.43450 0.844 -88.1 68.0 38.3 32.5 28.8 0. 11.47640.5 4.2 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6-7 22.39604 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.45026 0.876 -85.4 67.8 40.7 29.0 26.5 7.96140 2-3 2.45928 0.851 -91.1 68.3 36.0 35.9 30.9 10.73036 4-5 2.45928 0.851 -90.9 67.9 40.6 31.8 26.0 11.47640.5 4-5 2.39604 0.876 -85.4 67.8 40.7 29.0 26.5 10.22543 6-7 137 ATLAS PHOTO NO 137 POD SEQUENCE NO 926 103.43593 -9.968 -22.038 1838.891 2.554 -65.099 115.016

	RA-VII CAMER	A P4	24
	TAR NO	ON OTHER 24 ITA PER	139 POD SEQUENCE NO 928
JULY 31,1964 13 HR 25 MIN 6 SEC 175 MS	1715 110	135 AIDAO I NOTO NO	100 00000000 100 928
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ 1834.999 2.556 -65.065 115.006
PHOTO DATA	72.027	44.54340 -4.442 -21.486	1834.999 2.556 -65.065 115.006
PHOTO DATA PT LAT LCN RANGE AZ5/C A 2 -10.824 -20.188 116.68353 -58.1 10 3 -10.677 -20.392 112.91934 -593.4 9 4 -10.654 -20.040 117.84804 -63.3 10 5 -10.981 -19.968 121.15539 -56.9 11 6 -10.991 -20.332 115.94148 -52.6 10	N AZSUN AZA 5 -80-9 31-9	A* B/A AZPHAZ INCC	PHAZ EMIS ALPHA SCALE PT-PT
3 -10.677 -20.392 112.91934 -59.4 9	7 -79.8 31.8	2.26419 0.876 -85.4 67.8	3 40.7 29.0 26.5 7.52219 2- 3
4 -10.654 -20.040 117.84804 -63.3 10	8 -79.4 31.1	2.36242 0.836 -84.9 68.1	36-1 33-4 31-5 10-48334 3- 4
	1 -82.3 32.8	2.32420 0.851 -90.9 67.9	40.6 31.8 25.9 10.13864 4- 5
7 -10.677 -20.392 112.91934 -59.4 9	7 -79.8 31.8	2.26419 0.876 -85.4 67.8	40.7 29.0 26.5 9.66209 6- 7
JULY 31,1964 13 HR 25 MIN 7 SEC 15 MS	TAB NO	140 ATLAS PHOTO NO	140 POD SEQUENCE NO 929
	SEC TO IMPACT	ALT LAT LON	
DURTO	41.784	97.59680 -10.004 -21.960	R Y PTH AZ 1833.052 2.557 -65.049 115.001
PHOTO DATA PT LAT LON RANGE AZSZC A	N AZSIIN AZA	An RA AZDUAZ INCO	DUAT CHIC ALOUA CCALC OF DE
2 -10.820 -20.195 114.41519 -58.0 10	5 -80.9 32.0	2.29792 0.844 -88.1 68.0	PHAZ EMIS ALPHA SCALE PT-PT
PHOTO DATA PT LAT LCN RANGE AZS/C A 2 -10.820 -20.195 114.41519 -58.0 10 3 -10.677 -20.395 110.72482 -59.4 9 4 -10.654 -20.051 115.55640 -63.3 10	7 -79.8 31.8	2.22019 0.876 -85.4 67.8	38.3 32.4 28.8 0. 1-2 40.7 29.0 26.5 7.37567 2-3
5 -10.974 -19.979 118.79849 -56.9 11	Manager & 12 Carlo 2 A 1 A		
6 -10.984 -20.337 113.68762 -52.6 10	1 ~82.3 32.8	2.38208 0.812 -91.0 68.2 2.27902 0.851 -90.9 67.9	40.6 31.8 25.9 10.63047 5-6 40.7 29.0 26.5 9.47401 6-7
7 -10.677 -20.395 110.72482 -59.4 9	7 -79.8 31.8	2.22019 0.876 -85.4 67.8	40.7 29.0 26.5 9.47401 6- 7
JULY 31,1964 13 HR 25 MIN 7 SEC 855 MS	TAB NO	141 ATLAS PHOTO NO	POD SEQUENCE NO 930
TRAJECTORY DATA		ALT LAT ION	R V DTH A7
PHOTO DATA	40.945	95.64963 -10.016 -21.934	R V PTH AZ 1831-105 2-558 -65-032 114-996
PHOTO DATA PT LAT LON RANGE AZS/C A 2 -10.816 -20.202 112.14627 -58.0 10 3 -10.676 -20.399 108.52975 -59.4 9 4 -10.653 -20.061 113.26422 -63.3 10 5 -10.968 -19.991 116.49106 -56.9 11	N AZSUN AZA	A. B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
2 -10.816 -20.202 112.14627 -58.0 10	5 -80.9 32.0	2.25235 0.844 -88.1 68.0	38.3 32.4 28.8 0. 1-2
3 -10.676 -20.399 108.52975 -59.4 9 4 -10.653 -20.061 113.26422 -63.3 10	7 -79.8 31.8	2.17618 0.876 -85.4 67.8	40.7 29.0 26.5 7.22914 2- 3 36.1 33.4 31.5 10.07448 3- 4
5 -10.968 -19.991 116.44106 -56.9 11	2 -82.0 32.1 1 -82.3 32.8	2.33481 C.812 -91.0 68.2	36.0 35.9 30.9 9.74353 4- 5
6 -10.977 -20.341 111.43320 -52.6 10 7 -10.676 -20.399 108.52975 -59.4 9	1 -82.3 32.8	2.23383 0.851 -90.9 67.9	40.6 31.8 25.9 10.41881 5-6 40.7 29.0 26.5 9.28612 6-7
	7 -79.8 31.8		
JULY 31,1964 13 HR 25 MIN 8 SEC 695 MS	TAB NO	142 ATLAS PHOTO NO	142 POD SEQUENCE NO 931
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON	R V PTH AZ 1829.157 2.559 -65.015 114.992
PHOTO DATA	40.105	93.70135 -10.028 -21.908	1829.157 2.559 -65.015 114.992
PHOTO DATA PT LAT LON RANGE AZS/C A 2 -10.813 -20.210 109.87556 -56.0 10 3 -10.675 -20.402 106.33290 -59.4 9 4 -10.673 -20.71 110.97022 -3.2	N AZSUN AZA	A. B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
2 -10.813 -20.210 109,87556 -56.0 10 3 -10.675 -20.402 106 33290 -59.6	5 -80.9 32.0	2.20675 C.844 -88.1 68.0	PHAZ EMIS ALPHA SCALE PT-PT 38-3 32-4 28-8 0- 1- 2 40-7 79-0 26-5 7-08248 2- 3 36-1 33-4 31-5 9-86990 3- 4 5-8690 3- 5 5-8600 3- 5 5-8600 3- 5 5-8600 3- 5 5-8600
4 10.000 -20.011 110.91024 -03.3 10	0 -14.4 31.1	2.22455 0.837 -84.9 68.1	36.1 33.4 31.5 9.86990 3-4
5 -10.961 -20.003 114.08183 -56.9 11	2 -82.0 32.1	2.28750 0.812 -91.0 68.2	
	1 -82.3 32.8 7 -79.8 31.8	2.18860 C.85190.9 67.9 2.13213 C.87685.4 67.8	40.6 31.8 25.9 10.20702 5-6 40.7 29.0 26.5 9.09793 6-7
	TAB NO		
JULY 31,1964 13 HR 25 MIN 9 SEC 535 MS	IAB NO	143 AILAS PHUIU NU	143 POD SEQUENCE NO 932
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN	R V PTH AZ 1827.208 2.560 -64.997 114.987
PHOTC DATA PT LAT LON RANGE AZS/C A 2 -10.809 -20.217 107.60386 -58.0 10 3 -10.674 -20.406 104.13506 -59.4 9 4 -10.653 -20.672 108.67599 -63.3 10	34.265	91.10212 -10.040 -21.882	1827.208 2.560 -64.997 114.987
PT LAT LON RANGE AZS/C A	N AZSUN AZA	A. B/A AZPHAZ INCO	PHAZ EMIS ALPHA SCALE PT-PT
3 -10.674 -20.406 104.13506 -59.4 q	5 ~80.9 32.0 7 ~79.8 31.8	2.16112 C.844 -88.1 68.0 2.088C6 C.876 -85.4 67.8	38.3 32.4 28.8 0. 1-2 40.7 29.0 26.5 6.93568 2-3
	8 -79.4 31.1		36.1 33.4 31.5 9.66526 3- 4
5 -10.954 -20.014 111.72163 -56.9 11 6 -10.964 -20.350 106.91977 -52.6 10	2 -82.0 32.1 1 -82.3 32.8	2.24018 0.812 -91.0 68.2	36.0 35.8 30.9 9.34812 4- 5
7 -10.674 -20.406 104.13506 -59.4 9	7 -79.6 31.8	2.14335 C.851 +9C.9 67.9 2.088C6 C.87c -85.4 67.8	40.6 31.8 25.9 9.99519 5- 6 40.7 29.0 26.5 8.90963 6- 7
	74D NO	144 ATLAS BUOTO NO	
JULY 31,1964 13 HR 25 MIN 10 SEC 375 MS			144 POD SEQUENCE NO 933
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN	R V PTH AZ 1825-259 2-561 -64-980 114-982
PHOTO DATA P1 LAT LCN RANGE AZS/C A 2 -10.806 -20.225 105.33049 -58.0 10 3 -10.674 -20.409 101.93598 -59.4 9 4 -10.652 -20.092 106.37907 -63.3 10 5 -10.948 -70.026 109.36017 -56.9 11 6 -10.947 -70.35 104.64129 -25. 10	304723	07.00347 -10.032 -21.856	1023-234 2-301 -64-980 114-982
PT LAT LCN RANGE AZS/C A	N AZSUN AZA	A. B/A AZPHAZ INCD	PHAZ EMIS ALPHA SCALE PT-PT
3 -10.674 -20.409 101.93598 -59.4 9	7 -80.9 32.0 7 -79.8 31.8	2.04396 0.876 -85.4 67.8	38.3 32.4 28.8 0. 1- 2 40.7 29.0 26.5 6.78894 2- 3 36.1 33.3 31.5 9.46052 3- 4
4 -10.652 -20.092 106.37907 -63.3 10	8 -79.4 31.1	2.13251 0.837 -84.9 68.1	36.1 33.3 31.5 9.46052 3- 4
5 -10.948 -20.026 109.36017 -56.9 11 6 -10.957 -20.355 104.66129 -52.6 10	2 -82.0 32.1 1 -82.3 32.8	2.19283 0.812 -91.0 68.2	36.0 35.8 30.8 9.15031 4-5 40.6 31.8 25.9 9.78325 5-6 40.7 29.0 26.5 8.72133 6-7
7 10 474 20 400 101 02500 10	- 04.0		7U+U JI+U ZJ+7 9+18323 5-6
7 -10.674 -20.409 101.93598 -59.4 9	7 -79.8 31.8	2.04396 0.876 -85.4 67.8	40.7 29.0 26.5 8.72133 6- 7

			RA-VII CAM	ERA	P4						25
JULY 31,1964 13 HR	25 MIN 11 SEC 21	.5 MS	TAB I	NO	145	ATLAS PHOTO	NO	145	POD SE	QUENCE NO	934 -
TRAJECTORY DATA			SEC TO IMPA	ст	AL T	LAT LON- -10.064 -21.8	N	R	٧	PTH A	z
PHOTO DATA			37.585		87.85374	-10.064 -21.8	829	1823.309	2.562 -	64.963 114	.977
PHOTO DATA PT LAT LCN 2 -10.802 -20.232 3 -10.673 -20.412 4 -10.652 -20.102	RANGE AZS/	. AZN	AZ SUN AZ	A	A •	B/A AZPHAZ	INCD	PHAZ EMIS	ALPHA	SCALE P	
2 -10.802 -20.232	103.05684 -58.6	10.5	-80.8 32.	0	2.06980	B/A AZPHAZ 0.844 -88.1	68.0	38.3 32.4	28.8	0.	1- 2
3 -10.673 -20.412	99.73584 -59.4	9.7	-79.8 31.	8	1.99985	0.876 -85.4	67.8	40.7 29.0	26.5	6.64205 9.25570 8.95240	2- 3
4 -10.652 -20.102 5 -10.941 -20.038	104.08181 -63.		-79.4 31. -82.0 32.	1	2.08646 2.14546	C 912 -91 O	68 2	36.1 33.3 36.0 35.8	30.8	8-95240	4- 5
6 -10.950 -20.360	106.99765 -56.9	10.1	-82.3 32.	A		C.851 -9C.9				9.57124	5- 6
7 -10.673 -20.412	102-40176 -52- 99-73584 -59-	9.7	-79.8 31.	. š	1.99985	0.876 -85.4	67.8	40.7 29.0	26.5	8.53292	6- 7
			TAB I		146	ATLAS PHOTO	NO	146	POD SE	QUENCE NO	935
JULY 31,1964 13 HR	25 MIN 12 SEC	55 MS									
TRAJECTORY DATA			SEC TO IMPA	ijŢ,	ALT	LAT LC:	N	R	Y	PTH A	972
PHOTO DATA											
PT LAT LCN 2 -10.799 -20.240 3 -10.672 -20.416	RANGE AZS/	C AZN	AZ SUN AZ	A	A *	B/A AZPHAZ	I NC D	PHAZ EMIS	ALPHA	SCALE P	
2 -10.799 -20.240	100.78142 ->8.	10.4	-60.8 32.	.0	2.02410	0.844 -88.1	67.9	38.3 32.4	28.8	0. 6.49510	1- 2
3 -10.672 -20.416	97.53434 -59.	9.7	-79.8 31.				67.8	40.7 29.0	20.5	9.05080	3- 4
4 -10.652 -20.113 5 -10.934 -20.050	104.63378 -56.	2. 10.e0 9 11.2	-79.4. 31.	٠ <u>٠</u>	2.04038 2.09806	0.812 -91-0	68.1	36.1 33.3	30.8	8.75440	4- 5
6 -10.943 -20.364	100.14084 -52.	6 10.1	-82.0 32. -82.3 32.	8	2.00746	0.812 -91.0 0.852 -90.9	67.8	40.6 31.8	25.9	9.35917	5- 6
7 -10.672 -20.416	97.53434 -59.		-79.8 31.	. 8	1.95570	C.876 -85.4	67.8	40.7 29.0	26.5	8.34421	6- 7
			TAR	NO	147	ATLAS PHOTO	NΩ	147	POD SE	QUENCE NO	936
JULY 31,1964 13 HR	25. MIN 12 SEC 8	95 MS .	170	110		AIDAS FIIOTO					
TRAJECTORY DATA			CEC TO INDA	· C T	AL T	141 15	N.		v	PTH A	1.7
,			35.905		83.95226	LAT LC -10.088 -21.	776	1819.408	2.565	-64.929 114	.967
PHOTC DATA											
PHOTC DATA PT LAT LON 2 +10.795 -20.247 3 -10.671 -20.419	RANGE AZS/	C AZN	AZSUN AZ	A	A*	8/A AZPHAZ 0.845 -88.1	LNCU	PHAZ EM15	20 9	SCALE (	1- 2
2 +10.795 -20.247	98.50466 -58.	U _ 10,4	-80.8 32. -79.8 31.	• U	1.91153	0.876 -85.4	67. A	40.7 29.0	26.5	0. 6.34811 8.84578	2- 3
4 -10.652 -20.123	99.48322 -63.	2 10.8	-79.4 31.		1.99428			36.1 33.3		8.84578	3- 4
5 -10.928 -20.062	99.48322 -63. 102.26857 -56.	9 11.2	-82.0 32.	. ī	2.05063	0.813 -91.0	68.1	36.0 35.8	30.8	8.55628	4- 5
6 ~10.936 -20.369	97.87862 -52.	6 10.1	-82.3 32.	. 8	1.96211	0.852 -90.9				9.14697	5- 6
7 -10.671 -20.419	95.33153 -59.		-79.8 31.	. 8	1.91153	0.876 -85.4	67.8	40.7 29.0	26.5	8.15570	6- 7
	- · · · <del>- · · · · · · · · · · · · · · ·</del>		TAR	NO	148	ATLAS PHOTO	NO	148	POD SE	QUENCE NO	937
JULY 31,1964 13 HR	25 MIN 13 SEC 7	35 MS								•	
TRAJECTORY DATA			SEC TO IMPA	AC T	AL T	LAT LO 1 -10.101 -21.	:N	R	٧	PTH .	ΑZ
			35.065		82.00070	-10.101 -21.	750	1817.456	2.566	-64.912 11	4.962
PHOTO DATA	- DANCE ALEX									SCALE	
PT LAT LON 2 -10.791 -20.255	RANGE #437	0 10.4	#4.5UN #2	. A	1.93262	C.845 -88-1	67.9	38.3 32.4	28.8		
3 -10.671 -20.423	93.12760 -59.	4 9.7	-79.8 31.	. 8	1.86734	0.876 -85.4	67.8	40.7 29.0	26.5	6.20102 8.64069 8.35808	2- 3
4 -10.651 -20.133	97.18216 -63.	2 10.8	-79.4 31.	٠2	1.94815	0.837 -84.9		36.1 33.3		8.64069	3- 4
5 -10.921 -20.073	99.90228 -56.		-82.0 32.	. 1				36.0 35.8		8.35608	4- 5
6 -10.929 -20.374	95.61528 -52.	6 10.1			1.91674	0.852 -90.9	67.8	40.6 31.8	25.9	8.93471. 7.96689	6- 7
7 -10.671 -20.423	93.12760 -59.	4 9.7	-79.8 31.	. 6	1.86/34	0.876 -85.4	61.8	40.7 29.0	26.5	7.70007	o- '
			TAB	NO	149	ATLAS PHOTO	NO	149	POD S	EQUENCE NO	938
JULY 31,1964 13 HR	25 MIN 14 SEC 5	74 MS									
TRAJECTURY DATA			SEC TO IMPA	AC T	AL T	LAT LC 5 -10.113 -21.	)N	R	٧	PTH	AZ
			34.225		80.0486	5 -10.113 -21.	723	1815.50	4 2.567	-64.894 11	4.957
PHOTO DATA	DANCE ATEA		AZSUN A	, ,		U/A A70WA7	LNC	DUAT EMIS	AI DHA	SCALE	PT-PT
PT LAT LCN 2 -10.788 -20.262	RANGE AZS/ 93.94745 -58.	0 10.4	AZSUN AZ	. 0	1.88685	B/A AZPHAZ C.845 -88.1	47.9	38.3 32.4	28-8	0.	1- 2
3 -10.670 -20.427	90.92227 -59.	4 9.7		. 8	1.82312	0.876 -85.4	67.6	40.7 29.0	26.5	6.05391	2- 3
4 -10.651 -20.144	94.87961 -63.	2 10.8	-79.4 31.	. 2	1.90199	0.837 -84.9	68.0	36.1 33.3	31.4	8.43546	3- 4
5 -10.914 -20.085	97.53448 -56.	9 11.2	-82.0 32	.1	1.95571	0.813 -91.0 0.852 -90.9	68.1	36.0 35.8	30.8	8.15976	4- 5
6 -10.922 -20.379	93.35049 -52.		-82.3 32.	• 7	1.87134	0.852 -90.9	67.6	40.6 31.7	25.9	8.72232 7.77806	5- 6 6- 7
7 -10.670 -20.427	90.92227 -59.	4 9.7	-79.8 31	. 6	1.82312	0.876 -85.4	61.0	40.7 29.0	20.9	7.77800	<b>0</b>
JULY 31,1964 13 HR	25 MIN 15 SEC 4	14 MS	TAB	NO	150	ATLAS PHOTO	NO	150	POD S	EQUENCE NO	939
TRAJECTORY DATA			SEC TO IMP	AC T	AI T	LAT 11	CN	Ŕ	v	PTH	AZ
			13.385		78.0958	LAT 10 1 -10.125 -21	.697	1813.55	1 2.568	-64.877 11	4.952
PHOTO DATA	DANGE ATE	C A24	AZ SUN A	ZA	A.	B/A AZPHAZ	INC	DHAT FMIS	AL PHA	SCALE	PT-PT
PT LAT LON 2 -10.784 -20.270 3 -10.669 -20.430	91.66663 -FH.	0 10.4	00 0 33	_	04104	0.845 -RR.1	67.4	38.3 32.4	28.7	0.	1- 2
3 -10.669 -20.430	88.71548 -59.	4 9.7	-79.8 31	.8	1.77867	0.845 -88.1 0.876 -85.4	67.	40.7 29.0	26.5	5.90663	2- 3
4 -10.651 -20.154	92.57559 -63.	2 10.F	-/9.4 11	. 2	1.85560	0.837 -84.9	68.4	0 36.1 33.3	31.4	8.23013	3- 4
5 -10.907 -20.097	95.16519 -56	9 11.2	-82.0 32 -82.3 32	- 1	1.90820	0.813 -91.0	68.	36.0 35.7	30.8	0. 5.90663 8.23013 7.96124 8.50982	9- 5
6 -10.915 -20.383 7 -10.669 -20.430	91.08426 -52. 88.71548 -59.	6 10-1	-82.3 32	• (	1.82591	0.813 -91.0 0.852 -90.9 0.876 -85.4	67.	5 4U.0 31.7	26.5	7.58913	6- 7
1 -10.009 -20.430	00-11340 -34	- 4.1		• 0	1.11081	U-016 -03-4	01.	J 7001 6760	2347		- •

		RA-VII CAMER	4 P4		26
JULY 31-1964 13 HR	25 MIN 16 SEC 254 MS	TAB NO	151	ATLAS PHOTO NO	POD SEQUENCE NO 940
TRAJECTORY DATA	25 1011 10 300 254 113		ALT	LAT LON	R V PTH AZ 1811.598 2.569 -64.860 114.947
PHOTO DATA		32.545	76.1427	2 -10.137 -21.670	1811.598 2.569 -64.860 114.947
PT LAT LON	RANGE AZS/C A	N AZSUN AZA	A+	B/A AZPHAZ INCO	1811.598 2.569 -64.860 114.947  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.4 28.7 0. 1-2 40.7 29.0 26.5 5.75932 2-3 36.1 33.3 31.4 8.02476 3-4 36.0 35.7 30.8 7.76282 4-5 40.6 31.7 25.9 8.29728 5-6
3 -10.668 -20.434	89.38495 -58.0 10 86.50784 -59.4 9	4 -80.8 32.0 7 -79.8 31.8	1.79521	0.845 -88.1 67.9	38.3 32.4 28.7 0. 1- 2
4 -10.650 -20.165	90.27074 -63.2 10	8 -79.4 31.2	1.80960	0.837 -84.9 68.0	36.1 33.3 31.4 8.02476 3.4
5 -10.901 -20.109	92.79510 -56.9 11	2 -82.0 32.1	1.86067	0.813 -91.0 68.1	36.0 35.7 30.8 7.76282 4- 5
6 -10.908 -20.388 7 -10.668 -20.434	88.81715 -52.6 10 86.50784 -59.4 9	1 -82.3 32.7	1.78046 1.73461	0.852 -90.9 67.8	40.6 31.7 25.9 8.29728 5- 6 40.7 29.0 26.5 7.40009 6- 7
1 101000 -201454	80.30104 -39.4 9			0.010 -85.4 67.7	40.7 29.0 26.5 7.40009 6- 7
JULY 31,1964 13 HR	25 MIN 17 SEC 94 MS	TAB NO	152	ATLAS PHOTO NO	152 POD SEQUENCE NO 941
TRAJECTORY DATA		SEC TO IMPACT	AL T	LAT LON	P V DTH A7
		31.705	74.1886	6 -10.149 -21.643	R V PTH AZ 1809.644 2.570 -64.843 114.942
PHUIC DATA PT IAT ION	PANCE A75/C A	N A7 SIIN A7 A		9/A A704A7 INCO	DUAZ EMIC ALBUA CEALE BE DE
2 -10.777 -20.285	87.10163 -58.0 10	4 -80.8 32.0	1.74935	0.845 -88.1 67.9	38-3 32-3 28-7 0- 1+ 2
3 -10.667 -20.437	84.29857 -59.4 9	7 -79.8 31.8	1.69031	0.876 -85.4 67.7	40.7 29.0 26.5 5.61195 2- 3
4 -10.650 -20.175	87.96424 -63.2 10	8 -79.3 31.2	1.76336	0.837 -84.9 68.0	1809-644 2-570 -64-843 114-942  PHAZ EMIS ALPHA SCALE PT-PT 38-3 32-3 28-7 0. 1-2 40-7 29-0 26-5 5-61195 2-3 36-1 33-3 31-4 7-81924 3-4 36-0 35-7 30-7 7-56410 4-5 40-6 31-7 25-9 8-08463 5-6
6 -10-894 -20-121	90.42335 ~50.9 II 86.56841 ~52.6 10	0 -82.3 32.7	1.81312	0.813 -91.0 68.1 0.852 -90.9 67.8	36.0 35.7 30.7 7.56410 4- 5
7 -10.667 -20.437	86.54841 -52.6 10 84.29857 -59.4 9	7 -79.8 31.8	1.69031	0.876 -85.4 67.7	40.6 31.7 25.9 8.08463 5- 6 40.7 29.0 26.5 7.21085 6- 7
JULY 31,1964 13 HR	25 MIN 17 SEC 934 MS			ATLAS PHOTO NO	
TRAJECTORY DATA		SEC TO IMPACT	ALT	LAT LON	R V PTH AZ 1807-690 2-572 -64-825 114-937
011070 0171		30.865	72.2342	8 -10.162 -21.617	1807.690 2.572 -64.825 114.937
PHOTO DATA	BANGE A75/C A	N AZSIN AZA		0/A A70HA7 (NCD	1807.690 2.572 -64.825 114.937  PHAZ EMIS ALPHA SCALE PT-PT 188.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.46449 2-3 36.1 33.3 31.4 7.61369 3-4 36.0 35.7 30.7 7.36548 4-5 40.6 31.7 25.9 7.87190 5-6
2 -10.773 -20.293	84.81738 -58.0 10	4 -80.8 32.0	1.70348	0.845 -88.1 67.9	38.3 32.3 28.7 0. 1- 2
3 -10.667 -20.441	82.08839 -59.4 9	7 -79.8 31.8	1.64599	0.876 -85.4 67.7	40.7 29.0 26.5 5.46449 2- 3
4 -10.649 -20.186	85.65686 -63.2 10	8 -79.3 31.2	1.71711	0.837 -84.9 68.0	36.1 33.3 31.4 7.61369 3- 4 36.0 35.7 30.7 7.36548 4- 5
6 -10.894 -20.398	86 27876 -52 6 10	0 -82.0 32.1	1./6554	0.813 -91.0 68.1	36.0 35.7 30.7 7.36548 4- 5
7 -10.667 -20.441	84.27876 -52.6 10 82.08839 -59.4 9	7 -79.8 31.8	1.64599	0.852 -90.9 67.8 0.876 -85.4 67.7	40.6 31.7 25.9 7.87190 5- 6 40.7 29.0 26.5 7.02172 6- 7
JULY 31,1964 13 HR	25 MIN 18 SEC 774 MS	TAB NO		ATLAS PHOTO NO	
TRAJECTORÝ DATA		SEC TO IMPACT	154 ALT	ATLAS PHOTO NO	154
TRAJECTORÝ DATA		SEC TO IMPACT	154 ALT	ATLAS PHOTO NO	154
TRAJECTORÝ DATA		SEC TO IMPACT	154 ALT	ATLAS PHOTO NO	154
TRAJECTORÝ DATA		SEC TO IMPACT	154 ALT	ATLAS PHOTO NO	154
TRAJECTORÝ DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9	SEC TO IMPACT 30.025 N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8	154 ALT	ATLAS PHOTO NO	154
TRAJECTORÝ DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9	SEC TO IMPACT 30.025 N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8	ALT 70.2791 A. 1.65757 1.60165 1.67083 1.71794	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  8/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1 2 40.7 29.0 26.5 5.31699 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5
TRAJECTORÝ DATA PHOTO DATA PT LAT LCN 2 -10.769 -20.300 4 -10.664 -20.445 4 -10.649 -20.196 5 -10.880 -20.145 6 -10.887 -20.463	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9	SEC TO IMPACT 30.025 N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8	ALT 70.2791 A. 1.65757 1.60165 1.67083 1.71794	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  8/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1 2 40.7 29.0 26.5 5.31699 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.300 3 -10.666 -20.445 4 -10.649 -20.196 5 -10.880 -20.145		SEC TO IMPACT 30.025 N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8	ALT 70.2791 A. 1.65757 1.60165 1.67083 1.71794	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCD 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1 2 40.7 29.0 26.5 5.31699 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5
TRAJECTORÝ DATA PHOTO DATA PT LAT LCN 2 -10.769 -20.300 3 -10.666 -20.445 4 -10.649 -20.195 5 -10.880 -20.145 6 -10.887 -20.403 7 -10.666 -20.445	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9	SEC TO IMPACT 30.025 N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8	ALT 70-2791 A+ 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  8/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0.1 - 2 40.7 29.0 26.5 5.31699 2- 3 36.1 33.3 31.4 7.40803 3- 4 36.0 35.7 30.7 7.16666 4- 5 40.6 31.7 25.9 7.65910 5- 6 40.7 29.0 26.5 6.83237 6- 7
TRAJECTORÝ DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.300 3 -10.666 -20.445 4 -10.649 -20.196 5 -10.887 -20.403 7 -10.666 -20.445  JULY 31,1964 13 HR	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34608 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9	SEC TO IMPACT 30.025  N AZSUA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8 TAB NO	ALT 70.2791 A. 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCD 0.845 -88.1 67.7 0.816 -85.4 67.7 0.814 -91.0 68.1 0.652 -90.9 67.8 0.814 -91.0 68.1 0.652 -85.4 67.7  ATLAS PHOTO NO	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.316.99 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5 40.6 31.7 25.9 7.5591C 5-6 40.7 29.0 26.5 6.83237 6-7 155 POD SEQUENCE NO 944
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.300 3 -10.666 -20.445 4 -10.649 -20.195 5 -10.880 -20.145 6 -10.887 -20.403 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34608 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9	SEC TO IMPACT 30.025  N AZSUA AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO	154  ALT 70-2791  1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCD 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.652 -90.9 67.8 0.876 -85.4 67.7 ATLAS PHOTO NO	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.316.99 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5 40.6 31.7 29.0 26.5 6.83237 6-7 155 POD SEQUENCE NO 944
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.300 3 -10.666 -20.445 4 -10.649 -20.195 5 -10.880 -20.145 6 -10.887 -20.403 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34608 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9	SEC TO IMPACT 30.025  N AZSUA AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO	154  ALT 70-2791  1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCD 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.652 -90.9 67.8 0.876 -85.4 67.7 ATLAS PHOTO NO	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.316.99 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5 40.6 31.7 29.0 26.5 6.83237 6-7 155 POD SEQUENCE NO 944
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.300 3 -10.666 -20.445 4 -10.649 -20.195 5 -10.880 -20.145 6 -10.887 -20.4C3 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34608 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9	SEC TO IMPACT 30.025  N AZSUA AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO	154  ALT 70-2791  1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCD 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.652 -90.9 67.8 0.876 -85.4 67.7 ATLAS PHOTO NO	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.316.99 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5 40.6 31.7 29.0 26.5 6.83237 6-7 155 POD SEQUENCE NO 944
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.300 3 -10.666 -20.445 4 -10.649 -20.195 5 -10.880 -20.145 6 -10.887 -20.4C3 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 - 58.0 10 79.87683 - 59.4 9 83.34808 - 63.2 10 85.67670 - 56.9 11 82.00771 - 52.6 10 79.87683 - 59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 - 58.0 10 77.66608 - 59.4 9	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.1 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8	154  ALT 70-2791  A 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165  155  ALT 68.3235  A* 1.61164 1.55728	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9, 6.7.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCE 0.845 -88.1 67.9 0.876 -85.4 67.7	154 POD SEQUENCE NO 943  R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.31.699 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5 40.6 31.7 25.9 7.65916 5-6 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.4C3 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA PT LAT LON 2 -10.766 -20.308 3 -10.665 -20.448 4 -10.649 -2C.207 5 -10.874 -20.157	RANGE AZS/C A 82.53175 - 58.0 10 79.87683 - 59.4 9 83.34808 - 63.2 10 85.67670 - 56.9 11 82.00771 - 52.6 10 79.87683 - 59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 - 58.0 10 77.66608 - 59.4 9	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.1 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8	154  ALT 70-2791  A 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165  155  ALT 68.3235  A* 1.61164 1.55728	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9, 6.7.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCE 0.845 -88.1 67.9 0.876 -85.4 67.7	154 POD SEQUENCE NO 943  R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.31.699 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5 40.6 31.7 25.9 7.65916 5-6 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.689 -20.195 6 -10.880 -20.145 6 -10.887 -20.4C3 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.766 -20.308 3 -10.665 -20.468 4 -10.649 -20.207 5 -10.874 -20.157 6 -10.881 -20.407	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34608 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 83.30151 -56.9 11 83.30151 -56.9 11	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 1 -82.0 32.1	ALT 70-2791 Ae 1.65757 1.60165 1.71794 1.64396 1.60165 155 ALT 68.3235 Ae 1.61164 1.55728 1.62452 1.62452	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCO 0.445 -88.1 67.9 0.876 -85.4 67.7 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7  ATLAS PHOTO NO	154 POD SEQUENCE NO 943  R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.31699 2-3 36.1 33.3 31.4 7.40803 3-4 40.6 31.7 25.9 7.65910 5-6 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.20228 3-4 36.0 35.7 30.7 6.99784 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.4C3 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOTO DATA PT LAT LON 2 -10.766 -20.308 3 -10.665 -20.448 4 -10.649 -20.207 5 -10.874 -20.157	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34808 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 83.30151 -56.9 11	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 1 -82.0 32.1	ALT 70-2791 Ae 1.65757 1.60165 1.71794 1.64396 1.60165 155 ALT 68.3235 Ae 1.61164 1.55728 1.62452 1.62452	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9, 6.7.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCE 0.845 -88.1 67.9 0.876 -85.4 67.7	154 POD SEQUENCE NO 943  R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.31699 2-3 36.1 33.3 31.4 7.40803 3-4 40.6 31.7 25.9 7.65910 5-6 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.20228 3-4 36.0 35.7 30.7 6.99784 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT 1CN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.463 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.766 -20.308 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34808 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -59.4 9 81.03811 -56.9 11 79.73545 -52.6 10 77.66408 -59.4 9	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 1 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8	ALT 70-2791 A- 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155 ALT 68.3235 A- 1.61164 1.55728 1.62452 1.67031 1.59841 1.55728	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  0.845 -88.1 67.9 0.876 -85.4 67.7 0.832 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9 67.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCE 0.845 -88.1 67.9 0.876 -85.4 67.7 0.814 -91.0 68.0 0.845 -88.1 67.9 0.876 -85.4 67.7	154 POD SEQUENCE NO 943  R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.31699 2-3 36.1 33.3 31.4 7.40803 3-4 40.6 31.7 25.9 7.65910 5-6 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.20228 3-4 36.0 35.7 30.7 6.99784 4-5
TRAJECTORY DATA  PHOTO DATA  PT LAT	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34608 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 83.30151 -56.9 11 83.30151 -56.9 11	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 1 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8	ALT 70-2791 A- 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155 ALT 68.3235 A- 1.61164 1.55728 1.62452 1.67031 1.59841 1.55728	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCD 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9 67.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCD 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.852 -90.9 67.8 0.852 -90.9 67.8 0.852 -90.9 67.8 0.856 -85.4 67.7	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.31699 2-3 36.1 33.3 31.4 7.40803 3-4 36.0 35.7 30.7 7.16666 4-5 40.6 31.7 25.9 7.65916 5-6 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.2028 3-4 36.0 35.7 30.7 6.96784 4-5 40.7 29.0 26.5 6.64292 6-7 156 POD SEQUENCE NO 945
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.426 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA  TRAJECTORY DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87883 -59.4 9 83.34808 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 77.66408 -59.4 9 25 MIN 20 SEC 454 MS	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 1 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT	ALT 70-2791 Ae 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155 ALT 68.3235 Ae 1.61164 1.55728 1.62452 1.67031 1.59841 1.55728	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCO 0.445 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9 67.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.846 -85.4 67.7 ATLAS PHOTO NO  LAT LON	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA  R V PTH AZ 1805.734 2.574 -64.808 114.932  PHAZ EMIS ALPHA  R V PTH AZ 1803.779 2.574 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 31.4 7.40803 3-4 40.6 31.7 25.9 7.65910 5-6 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.2028 3-4 36.0 35.7 30.7 6.96784 4-5 40.7 29.0 26.5 6.64292 6-7 156 POD SEQUENCE NO 945
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.426 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA  TRAJECTORY DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87883 -59.4 9 83.34808 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 77.66408 -59.4 9 25 MIN 20 SEC 454 MS	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 1 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT	ALT 70-2791 Ae 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155 ALT 68.3235 Ae 1.61164 1.55728 1.62452 1.67031 1.59841 1.55728	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCO 0.445 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9 67.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.846 -85.4 67.7 ATLAS PHOTO NO  LAT LON	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA  R V PTH AZ 1805.734 2.574 -64.808 114.932  PHAZ EMIS ALPHA  R V PTH AZ 1803.779 2.574 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 31.4 7.40803 3-4 40.6 31.7 25.9 7.65910 5-6 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.2028 3-4 36.0 35.7 30.7 6.96784 4-5 40.7 29.0 26.5 6.64292 6-7 156 POD SEQUENCE NO 945
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TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.426 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA  TRAJECTORY DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87883 -59.4 9 83.34808 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 77.66408 -59.4 9 25 MIN 20 SEC 454 MS	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 1 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT	ALT 70-2791 Ae 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155 ALT 68.3235 Ae 1.61164 1.55728 1.62452 1.67031 1.59841 1.55728	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCO 0.445 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9 67.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.846 -85.4 67.7 ATLAS PHOTO NO  LAT LON	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA  R V PTH AZ 1805.734 2.574 -64.808 114.932  PHAZ EMIS ALPHA  R V PTH AZ 1803.779 2.574 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 31.4 7.40803 3-4 40.6 31.7 25.9 7.65910 5-6 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.2028 3-4 36.0 35.7 30.7 6.96784 4-5 40.7 29.0 26.5 6.64292 6-7 156 POD SEQUENCE NO 945
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.426 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA  TRAJECTORY DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87883 -59.4 9 83.34808 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 77.66408 -59.4 9 25 MIN 20 SEC 454 MS	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO  SEC TO IMPACT 28.345  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO	ALT 70-2791 Ae 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155 ALT 68.3235 Ae 1.61164 1.55728 1.62452 1.67031 1.59841 1.55728 ALT 66.3671 ALT 66.3671	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9 67.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCO 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.845 -88.1 67.9 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 0.816 -85.4 67.7  ATLAS PHOTO NO	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 1803.7779 2.574 -66.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 38.7 7.16666 4-5 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.777 25.97 7.65916 5-6 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.777 2.574 -66.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.20228 3-4 36.0 35.7 30.7 6.96784 4-5 40.7 29.0 26.5 6.66292 6-7  156 POD SEQUENCE NO 945  R V PTH AZ 1801.822 2.575 -64.773 114.922
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.426 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA  TRAJECTORY DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87883 -59.4 9 83.34808 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 77.66408 -59.4 9 25 MIN 20 SEC 454 MS	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO  SEC TO IMPACT 28.345  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO	ALT 70-2791 Ae 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155 ALT 68.3235 Ae 1.61164 1.55728 1.62452 1.67031 1.59841 1.55728 ALT 66.3671 ALT 66.3671	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCD 0.445 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9 67.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCD 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.845 -88.1 67.9 0.876 -85.4 67.7 ATLAS PHOTO NO  LAT LON 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 0.816 -85.4 67.7  ATLAS PHOTO NO	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 1803.7779 2.574 -66.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 38.7 7.16666 4-5 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.777 25.97 7.65916 5-6 40.7 29.0 26.5 6.83237 6-7  155 POD SEQUENCE NO 944  R V PTH AZ 1803.777 2.574 -66.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.20228 3-4 36.0 35.7 30.7 6.96784 4-5 40.7 29.0 26.5 6.66292 6-7  156 POD SEQUENCE NO 945  R V PTH AZ 1801.822 2.575 -64.773 114.922
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.769 -20.30C 3 -10.666 -20.445 4 -10.649 -20.196 6 -10.887 -20.426 7 -10.666 -20.445  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA  TRAJECTORY DATA  PT LAT LDN 2 -10.766 -20.30B 3 -10.665 -20.448 4 -10.649 -20.207 7 -10.665 -20.448 JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C A 82.53175 -58.0 10 79.87683 -59.4 9 83.34808 -63.2 10 85.67670 -56.9 11 82.00771 -52.6 10 79.87683 -59.4 9 25 MIN 19 SEC 614 MS  RANGE AZS/C A 80.24490 -58.0 10 77.66408 -59.4 9 81.03811 -63.2 10 83.30151 -56.9 11 79.73545 -52.6 10 77.66408 -59.4 9 25 MIN 20 SEC 454 MS  RANGE AZS/C A 77.95661 -58.0 10 75.44991 -59.4 9 25 MIN 20 SEC 454 MS	SEC TO IMPACT 30.025  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8 8 -79.3 31.2 2 -82.0 32.1 0 -82.3 32.7 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO  SEC TO IMPACT 29.185  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO  SEC TO IMPACT 28.345  N AZSUN AZA 4 -80.8 32.0 7 -79.8 31.8  TAB NO	ALT 70-2791 Ae 1.65757 1.60165 1.67083 1.71794 1.64396 1.60165 155 ALT 68.3235 Ae 1.61164 1.55728 1.62452 1.67031 1.59841 1.55728 ALT 66.3671 ALT 66.3671	ATLAS PHOTO NO  LAT LON 9 -10.174 -21.590  6/A AZPHAZ INCD 0.445 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.814 -91.0 68.1 0.852 -90.9 67.8 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 3 -10.186 -21.563  B/A AZPHAZ INCD 0.845 -88.1 67.9 0.876 -85.4 67.7 0.838 -84.9 68.0 0.845 -88.1 67.9 0.876 -85.4 67.7 ATLAS PHOTO NO  LAT LON 0.876 -85.4 67.7  ATLAS PHOTO NO  LAT LON 0.816 -85.4 67.7  ATLAS PHOTO NO	R V PTH AZ 1805.734 2.573 -64.808 114.932  PHAZ EMIS ALPHA  R V PTH AZ 1805.734 2.574 -64.808 114.932  PHAZ EMIS ALPHA  R V PTH AZ 1803.779 2.574 -64.808 114.932  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 31.4 7.40803 3-4 40.6 31.7 25.9 7.65910 5-6 1803.779 2.574 -64.790 114.927  PHAZ EMIS ALPHA SCALE PT-PT 38.3 32.3 28.7 0. 1-2 40.7 29.0 26.5 5.16943 2-3 36.1 33.2 31.3 7.2028 3-4 36.0 35.7 30.7 6.96784 4-5 40.7 29.0 26.5 6.64292 6-7 156 POD SEQUENCE NO 945

RA-VII CAMERA P4

JULY 31,1964 13 HR	25 MIN 21 SEC 29	4 MS		TAB NO	157	ATLAS	PHOTO NO	157	POD SEQUENCE NO 946
TRAJECTORY DATA			SEC TO	IMPACT		LAT	LCN	R	V PTH AZ
PHOTC DATA				• <b>5</b> 05		-10.211	-21.509	1799.866	2.576 -64.755 114.917
PHOTO DATA  PT LAT LON 2 -10.758 -20.324	RANGE AZS/C	AZN	AZ SUN	AZA	A+	B/A AZ	ZPHAZ INCD	PHAZ EMIS	
3 -10.663 -20.456	73.23480 -59.4	9.7			1.51971	0.845 ~	-88.1 67.9 -65.4 67.7	38.3 32.3	28.7 0. 1-2
4 -10.648 -20.228	76.41442 -63.2	10.8	-79.3	31.3	1.53183	0.838 -	-84.9 67.9	36.1 33.2	26.5 4.87408 2- 3 31.3 6.79051 3- 4
5 -10.860 -20.181 6 -10.867 -20.417	78.54736 -56.9		-82.0	32.1	1.57499	0.814 -	-91.0 68.0	36.0 35.6	30.7 6.56979 4- 5
7 -10.663 -20.456	75.18716 -52.7 73.23480 -59.4	10.0	-82.3 -79.8	32.7	1.50723	0.852 -	90.9 67.8	40.6 31.7	-25-9
	13123100 3714	,.,						40.7 29.0	
JULY 31,1964 13 HR	25 MIN 22 SEC 13	4 MS		TAB NO	158	ATLAS	PHOTO NO	158	POD SEQUENCE NO 947
TRAJECTORY DATA									
			SEC TO 26.	IMPACT. 665	ALT 62.45282	LAT -10.223	LUN 3 -21,482	R 1797-908	V PIH AZ 2.577 -64.738 114.912
PHOTO DATA									
PT LAT LCN 2 -10.754 -20.331	73.376/3 =54.0	10.4	AZSUN -80.8 -79.8	AZA	A*	B/A AZ	PHAZ INCD	PHAZ EMIS	ALPHA SCALE PT-PT
3 -10.662 -20.460	71.01826 -59.4	9.7	-79.8	31.8	1.42402	0.876 -	-86.1 67.9 -85.4 67.7	38.3 32.3 40.7 29.0	28.7 0. 1- 2 26.5 4.72628 2- 3
4 -10.644 -20.239	74.10066 -63.2	10.8	-79.3	31.3	1.48545	C.838 -	84.9 07.9	36.1 33.2	31.3 6.58451 3-4
5 -10.853 -20.193	76.16839 -56.9		-82.0	32.1	1.52729	0.814 -	91.0 68.0	36.0 35.6	30.7 6.37068 4- 5
6 -10.859 -20.422 7 -10.662 -20.460	72.91109 -52.7 71.01826 -59.4	10.0	-82.3 -79.8	32.7	1.46161	C-852 -	90.9 67.8	4C.6 31.7	25.9 6.80710 5-6
1 10:002 -20:400	71.01626 -59.4	7.1					85.4 67.7		
JULY 31,1964 13 HK	25 MIN 22 SEC .974	4 MS		TAB NO	159	ATLAS	РНОТО НО	159	POD SEQUENCE NO 948
TRAJECTORY DATA					ALT 60.49503		LON -21-454	R 1795.950	V PTH AZ 2.578 -64.720 114.907
PHOTO DATA									
PT LAT LON	RANGE AZS/C	AZN	AZ SUN	AZA	A.	B/A AZ	PHAZ INCO	PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.751 -20.339 3 -10.661 -20.463	68.80083 -59.4	9.7	-79.8	31.8	1.37956	0.876 -	-88.1 _67.8.	38.3.32.3	28.7 0. 1- 2 26.5 4.57845 2- 3
3 -10.661 -20.463 4 -10.647 -20.250	71.78608 -63.2	10.8	-79.3	31.3	1.43905	0.838 -	84.9 67.9	36.1 33.2	31.3 6.37845 3- 4
5 -10.846 -20.205	68.80083 -59.4 71.78608 -63.2 73.78856 -56.9	11.1	-82.0	32.1	1.47957	0.814 -	91.0 68.0	36.0 35.6	31.3 6.37845 3-4 30.7 6.17146 4-5 25.9 6.59393 5-6
6 -10.852 -20.427 7 -10.661 -20.463	10.03413 -32.1	10.0	-82.3	36.1	1.41556	C.852 -	90.9 67.8	40.6 31.7	25.9 6.59393 5-6
-10.001 -20.463	00.00003 -34.4		-79.b	31.8	1.37956	0.876 -	85.4 67.7	40.7 29.0	26.5 5.88419 6- 7
101 V 31 1044 13 UD				TAB NO	160	ATLAS	PHOTO NO	160	POD SEQUENCE NO 949
30L1 31,1964 13 HK	25 MIN 23 SEC 814	+ MS							
TRAJECTORY DATA	25 MIN 23 SEC 814		SEC TO	IMPACT	ALT 58.53633		LGN 3 -21,427	R 1793.992	V PTH AZ
TRAJECTORY DATA			24.	985	58.53633	-10.248	-21.427	1793.992	V PTH AZ
TRAJECTORY DATA			24.	985	58.53633	-10.248	-21.427	1793.992	V PTH AZ
TRAJECTORY DATA			24.	985	58.53633	-10.248	-21.427	1793.992	V PTH AZ
TRAJECTORY DATA			24.	985	58.53633	-10.248	-21.427	1793.992	V PTH AZ
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.839 -20.218	RANGE AZS/C 68.79204 -58.0 66.58185 -59.4 69.46991 -63.2 71.40718 -56.9	AZN 10.4 9.7 10.8	24. AZ SUN -80.8 -79.8 -79.3 -82.0	AZA 32.0 31.8 31.3	58.53633	-10.248	-21.427	1793.992	V PTH AZ
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.747 -20.347 4 -10.647 -20.260 5 -10.849 -20.218 6 -10.845 -20.432	RANGE AZS/C 68.79204 -58.0 66.58185 -59.4 69.46991 -63.2 71.40718 -56.9	AZN 10.4 9.7 10.8	24. AZ SUN -80.8 -79.8 -79.3 -82.0	AZA 32.0 31.8 31.3	A• 1.38162 1.33506 1.39262 1.43182 1.37029	B/A AZ 0.845 - 0.876 - 0.836 - 0.814 - 0.852 -	PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0	1793.992 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6	V PTH AZ 2.580 -64.702 114.902 ALPHA SCALE PT-PT 28.7 0. 1-2.26.5 4.43051 2-3.31.3 6.17227 3-4.30.7 5.97204 4-5
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.839 -20.218		AZN 10.4 9.7 10.8	24. AZ SUN -80.8 -79.8 -79.3 -82.0	AZA 32.0 31.8 31.3	A• 1.38162 1.33506 1.39262 1.43182	B/A AZ 0.845 - 0.876 - 0.836 - 0.814 - 0.852 -	PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0	1793.992 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6	V PTH AZ 2.580 -64.702 114.902 ALPHA SCALE PT-PT 28.7 0. 1-2 26.5 4.43051 2-3 31.3 6.17227 3-4 30.7 5.97204 4-5 25.9 6.38045 5-6
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.747 -20.347 4 -10.647 -20.260 5 -10.849 -20.218 6 -10.845 -20.432	RANGE AZS/C 68.79204 -68.0 60.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.35563 -52.7 66.58185 -59.4	AZN 10.4 9.7 10.8 11.1 10.0 9.7	AZ SUN -80.8 -79.8 -79.3 -82.0 -82.3 -79.8	AZA 32.0 31.8 31.3	A• 1.38162 1.33506 1.39262 1.43182 1.37029 1.33506	B/A AZ 0.845 - 0.876 - 0.876 - 0.814 - 0.852 - 0.876 -	PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0	1793.992 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6 40.6 31.7 40.7 29.0	V PTH AZ 2.580 -64.702 114.902 ALPHA SCALE PT-PT 28.7 0. 1-2 26.5 4.43051 2-3 31.3 6.17227 3-4 30.7 5.97204 4-5 25.9 6.38045 5-6
TRAJECTORY DATA  PHOTIC DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.250 5 -10.849 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR	RANGE AZS/C 68.79204 -68.0 60.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.35563 -52.7 66.58185 -59.4	AZN 10.4 9.7 10.8 11.1 10.0 9.7	AZ SUN -80.8 -79.8 -79.3 -82.0 -82.3 -79.8	AZA 32.0 31.8 31.3 32.1 32.7 31.8	1.38162 1.38162 1.39262 1.43182 1.37029 1.33566	-10.248 B/A AZ 0.845 - 0.876 - 0.876 - 0.838 - 0.814 - 0.852 - 0.876 - ATLAS	PHAZ INCO 88.1 67.8 85.4 67.7 91.0 68.0 90.9 67.8 85.4 67.7 PHOTO NO	1793.992 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6 40.6 31.7 40.7 29.0	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.38045 5- 6 26.5 5.69423 6- 7  POD SEQUENCE NO 950
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.843 -20.218 6 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 68.79204 -68.0 66.58185 -59.4 69.46991 -63.2 71.40718 -56.9 08.35563 -52.7 66.58185 -59.4 25 MIN 24 SEC 654	AZN 10.4 9.7 10.8 11.1 10.0 9.7	24.  AZ SUN -80.8 -79.8 -79.3 -82.0 -82.3 -79.8  SEC TG 24.	AZA 32.0 31.8 31.3 32.1 32.7 31.8 TAB NO	A• 1.38162 1.33566 1.39262 1.43182 1.37029 1.33566	B/A AZ 0.845 0.876 0.836 0.836 0.836 0.852 0.852 ATLAS	PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 67.8 85.4 67.7 PHOTO NO	1793.992 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6 40.6 31.7 40.7 29.0	V PTH AZ 2.580 -64.702 114.902 ALPHA SCALE PT-PT 28.7 0. 1-2 26.5 4.43051 2-3 31.3 6.17227 3-4 30.7 5.97204 4-5 25.9 6.38045 5-6 26.5 5.69423 6-7
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.843 -20.218 6 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 68.79204 -68.0 66.58185 -59.4 69.46991 -63.2 71.40718 -56.9 08.35563 -52.7 66.58185 -59.4 25 MIN 24 SEC 654	AZN 10.4 9.7 10.8 11.1 10.0 9.7	24.  AZ SUN -80.8 -79.8 -79.3 -82.0 -82.3 -79.8  SEC TG 24.	AZA 32.0 31.8 31.3 32.1 32.7 31.8  TAB NO	58.53633 A• 1.38162 1.33566 1.33566 1.33262 1.337029 1.33566 161	-10.248 B/A AZ 0.845 -0.876 -0.836 -0.814 -0.852 -0.876	PHAZ INCO 88-1 67-8 85-4 67-7 84-9 67-9 91-0 68-0 90-9 67-8 85-4 67-7 PHOTO NO  LCN -21-400	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 36.0 35.6 40.4 33.2 36.0 35.6 40.4 31.7 40.7 29.0 161  R 1792.032 PHAZ EMIS	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.380.65 5- 6 26.5 5.69423 6- 7  POD SEQUENCE NO. 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT
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TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.747 -20.347 4 -10.661 -20.467 4 -10.647 -20.260 5 -10.439 -20.218 6 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471 4 -10.640 -20.271	RANGE AZS/C 68.79204 - 78.0 66.58185 - 59.4 69.46991 - 63.2 71.40718 - 56.9 68.25563 - 52.7 66.58185 - 59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 - 58.0 64.36174 - 59.4 67.15261 - 63.1	AZN 10.4 9.7 10.8 11.1 11.0 9.7 MS	AZ SUN -80.8 -79.3 -82.0 -82.3 -79.8 SEC TO 24. AZ SUN -80.8 -79.8 -79.8 -79.8	AZA 32.0 31.8 31.3 32.1 31.8 TAB NO IMPACT 146 AZA 32.0 31.8	58.53c33  1.381c2 1.335c6 1.335c6 1.337c29 1.337c29 1.337c56 161  ALT 56.57715  A.33554 1.29055 1.34c17	-10.248 B/A AZ 0.845 - 0.876 - 0.836 - 0.814 - 0.852 - 0.876 - ATLAS  LAT -10.261 B/A AZ 0.846 - 0.876 - 0.876 -	PHAZ INCO 885.4 67.7 84.9 67.9 91.0 68.0 90.9 57.8 10.0	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 36.0 35.6 40.6 31.7 40.7 29.0 161  R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.38065 5- 6  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.28259 2- 3 31.3 5.96602 3- 4
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.417 4 -10.664 -20.271 5 -10.833 -20.230 6 -10.833 -20.230 6 -10.833 -20.230	RANGE AZS/C 68.79204 - 78.0 60.58185 - 59.4 69.46991 - 63.2 71.40718 - 56.9 68.25563 - 22.7 66.58185 - 59.4 25 MIN 24 SEC 654 RANGE AZS/C 66.49776 - 58.0 66.49776 - 58.0 67.15261 - 63.1 69.02467 - 76.9 66.0799 - 55.7	AZN 10.4 9.7 10.8 11.1 10.0 9.7 MS	AZ SUN -80.8 -79.3 -82.0 -82.3 -79.8 SEC TO 24. AZ SUN -80.8 -79.3 -82.0	AZA 32.0 31.8 31.3 32.1 32.1 31.8 TAB NO  IMPACT 146  AZA 32.0 31.8 32.1 32.1	58.536.33  A• 1.38162 1.33566 1.33566 1.337029 1.33566 161  ALT 56.57715  A• 1.33554 1.39055 1.34617 1.38464	-10.248 B/A AZ 0.845 - 0.876 - 0.836 - 0.814 - 0.852 - 0.876 - ATLAS  LAT -10.261 B/A AZ 0.876 - 0.838 - 0.838 - 0.838 - 0.838 - 0.838 - 0.838 - 0.838 -	21.427  PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0  ECN -21.400  PHAZ INCO 88.1 67.8 85.4 67.7  PHOTO NO  PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 36.0 35.6 40.6 31.7 40.7 29.0 161  R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1-2 26.5 4.43051 2-3 31.3 6.17227 3-4 30.7 5.97204 4-5 25.9 6.18055 5-6 26.5 5.69423 6-7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1-2 26.4 4.28259 2-3 31.3 5.96602 3-4 31.3 5.96602 3-4 31.3 5.96602 3-4 31.6 5.77262 4-5
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471 4 -10.664 -20.271 5 -10.843 -20.230	RANGE 68.79204 -68.0 60.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.35563 -52.7 66.58185 -59.4 25 MIN 24 SEC 654  RANGE ALS/C 66.49776 -58.0 64.36174 -59.4 67.15261 -63.1	AZN 10.4 9.7 10.8 11.1 10.0 9.7 MS	24.  AZ SUN -80.8 -79.8 -79.3 -82.0 -82.3 -79.8 SEC TO 24.  AZ SUN -80.8 -79.8 -79.8 -79.8 -82.0	AZA 32.0 31.8 31.3 32.1 32.1 31.8 TAB NO  IMPACT 146  AZA 32.0 31.8 32.1 32.1	58.53c33 Ae 1.381c2 1.335c6 1.335c6 1.337c29 1.337c29 1.337c6 161  ALT 56.57715 Ae 1.33554 1.29055 1.34c17 1.38c45 1.32c59	-10.248 B/A AZ 0.845 - 0.876 - 0.814 - 0.852 - ATLAS  LAT -10.261 B/A AZ 0.876 - 0.898 - 0.898 - 0.814 - 0.898 - 0.814 - 0.898 - 0.814 - 0.898 - 0.814 - 0.853 -	PHAZ INCO 885.4 67.7 84.9 67.9 91.0 68.0 90.9 57.8 10.0	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 36.0 35.6 40.6 31.7 40.7 29.0 161  PHAZ EMIS R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6 40.6 31.7	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.38065 5- 6 26.5 5.69423 6- 7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.28259 2- 3 31.3 5.96602 3- 4 30.6 5.77262 4- 5 25.8 6.16729 5- 6
TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.843 -20.218 6 -10.845 -20.432 7 -1C.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471 4 -10.646 -20.271 5 -10.833 -20.230 6 -10.838 -20.437 7 -10.660 -20.471	RANGE 68.79204 -68.0 60.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.35563 -52.7 60.58185 -59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 -58.0 64.36174 -59.4 67.15261 -63.1 69.02467 -56.9 66.07599 -52.7 64.36174 -59.4	AZN 10.4 9.7 10.8 11.1 10.0 9.7 MS	24.  AZ SUN -80.8 -79.3 -79.3 -82.0 -82.3 -79.8  SEC TG 24.  AZ SUN -80.8 -79.8 -79.8 -79.8 -79.8	AZA 32.0 31.8 31.3 32.1 32.7 31.8 TAB NO IMPACT 146 AZA 32.0 31.8 32.1 32.7 31.3	58.536.33  A• 1.38162 1.33566 1.33526 1.43182 1.37029 1.33506 161  ALT 56.57715  A• 1.33554 1.29055 1.34617 1.38404 1.32459 1.29055	-10.248 B/A AZ 0.845 - 0.876 - 0.838 - 0.838 - 0.852 - 0.876 -  ATLAS  LAT -10.261 B/A AZ 0.876 - 0.838 - 0.876 - 0.838 - 0.876 - 0.838 - 0.876 - 0.853 - 0.876 -	21.427  PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 67.8 85.4 67.7  PHOTO NO  LCN -21.400  PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 67.8 85.4 67.7	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 36.0 35.6 40.6 31.7 40.7 29.0 161  R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 6.0 35.6 40.6 31.7 40.7 29.0	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.38065 5- 6 26.5 5.69423 6- 7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.28259 2- 3 31.3 5.96602 3- 4 30.6 5.77262 4- 5 25.8 6.16729 5- 6
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.417 4 -10.664 -20.271 5 -10.833 -20.230 6 -10.833 -20.230 6 -10.833 -20.230	RANGE 68.79204 -68.0 60.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.35563 -52.7 60.58185 -59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 -58.0 64.36174 -59.4 67.15261 -63.1 69.02467 -56.9 66.07599 -52.7 64.36174 -59.4	AZN 10.4 9.7 10.8 11.1 10.0 9.7 MS AZN 10.4 9.7 10.8	24.  AZ SUN -80.8 -79.3 -79.3 -82.0 -82.3 -79.8  SEC TG 24.  AZ SUN -80.8 -79.8 -79.8 -79.8 -79.8	AZA 32-0 31-8 31-8 31-8 31-8 31-8 31-8 31-1 32-1 31-8 AZA 32-0 31-8 31-3 32-1 32-1 32-1 32-1	58.536.33  A•  1.38162 1.33506 1.33506 1.337029 1.337029 1.33506  161  ALT 56.57715 A• 1.33554 1.29055 1.34617 1.38404 1.32459 1.29055 162	-10.248 B/A AZ 0.845 0.856 0.836 0.814 0.852 0.876 ATLAS  LAT -10.261 B/A AZ 0.876 0.876 0.838 0.838 0.853 0.876 0.853 0.876 0.853 0.876 0.876 0.853 0.876 0.876 0.876 0.876 0.876 0.876 0.876 0.876 0.876 0.876 0.876 0.876 0.876 ATLAS	21.427 PHAZ INCO 88.1 67.8 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 67.8 85.4 67.7 PHOTO NO  LON -21.400 PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 90.9 67.8 85.4 67.7 PHOTO NO	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 40.7 29.0 36.1 33.2 40.7 29.0 161  R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 40.7 29.0 36.1 33.2 40.7 29.0 36.1 33.2 40.7 29.0	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.38065 5- 6 26.5 5.69423 6- 7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.28259 2- 3 31.3 5.96602 3- 4 30.6 5.77262 4- 5 25.8 6.16729 5- 6 26.4 5.50436 6- 7  POD SEQUENCE NO 951
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.747 -20.347 4 -10.661 -20.467 4 -10.647 -20.260 5 -10.839 -70.218 6 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.411 4 -10.646 -20.271 5 -10.833 -20.230 6 -10.834 -20.437 7 -10.860 -20.471  JULY 31,1964 13 HR	RANGE 68.79204 -68.0 60.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.35563 -52.7 60.58185 -59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 -58.0 64.36174 -59.4 67.15261 -63.1 69.02467 -56.9 66.07599 -52.7 64.36174 -59.4	AZN 10.4 9.7 10.8 11.1 10.0 9.7 MS AZN 10.4 9.7 10.8	24.  AZ SUN -80.8 -79.3 -82.0 -82.3 -79.8  SEC TO 24.  AZ SUN -80.8 -79.8 -79.8 -79.8 -79.8	AZA 32-0 31-8 31-8 31-8 31-8 31-8 31-8 31-1 32-1 31-8 AZA 32-0 31-8 31-3 32-1 32-1 32-1 32-1	58.53633  A• 1.38162 1.33566 1.33526 1.43182 1.37029 1.33506 161  ALT 56.57715  A• 1.33554 1.29055 1.34617 1.384674 1.32459 1.29055 1.34617	-10.248 B/A A2 0.845 -0 0.876 -0 0.836 -0 0.814 -0 0.852 -0 0.876 -  ATLAS  LAT -10.261 B/A A2 0.846 -0 0.838 -0 0.876 -0 0.838 -0 0.876 -0 0.838 -0 0.876 -0 0.838 -0 0.876 -0 0.838 -0 0.876 -0 ATLAS	21.427  PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 67.8 85.4 67.7  PHOTO NO  LCN 2PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 67.8 85.4 67.7  PHOTO NO  LCN PHAZ INCO 88.1 67.8 85.4 67.7  PHOTO NO	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 36.0 35.6 40.6 31.7 40.7 29.0 161  R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6 40.6 31.7 40.7 29.0	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.38065 5- 6 26.5 5.69423 6- 7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.28259 2- 3 31.3 5.96602 3- 4 30.6 5.77262 4- 5 25.8 6.16729 5- 6 26.4 5.50436 6- 7  POD SEQUENCE NO 951
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.439 -20.218 6 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471 4 -10.664 -20.271 5 -10.833 -20.230 6 -10.838 -20.437 7 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA	RANGE AZS/C 68.79204 - 78.0 66.58185 - 59.4 69.46991 - 63.2 71.40718 - 56.9 68.35563 - 52.7 66.58185 - 59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 - 58.0 64.36174 - 59.4 67.15261 - 63.1 69.02467 - 56.9 66.07799 - 52.7 64.36174 - 59.4 25 MIN 25 SEC 494	AZN 10.4 9.7 10.8 11.1 10.0 9.7	24.  AZ SUN 8-79.3 -82.0 -82.3 -79.8  SEC TO 24.  AZ SUN 8-79.3 -82.3 -79.8  SEC TO 23.	AZA 32-0 31-8 31-8 31-8 31-8 31-8 31-8 31-8 31-1 32-1 32-1 146 AZA 32-0 31-8 31-3 32-1 32-1 32-1 31-8 TAB NO	58.53c33 A• 1.381c2 1.335c6 1.335c6 1.337c29 1.337c29 1.335c6 161  ALT 56.57715 A* 1.29055 1.34c17 1.384c4 1.32459 1.29055 162  ALT 54.61717	B/A AZ 0.876 — 0.836 — 0.836 — 0.836 — 0.852 — 0.852 — ATLAS  LAT -10.261  8/A AZ 0.876 — 0.876 — 0.838 — 0.838 — 0.838 — 0.876 — 0.853 — 0.876 — 0.853 — 0.876 — 0.853 — 0.876 — 0.87	PHAZ INCO 88.1 67.8 88.1 67.8 88.4 67.7 84.9 67.9 91.0 68.0 90.9 57.8 85.4 67.7 PHOTO NO  LCN 21.400 PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 67.8 85.4 67.7 PHOTO NO	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6 40.6 31.7 40.7 29.0 161  R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0 162  R 1790.072 PHAZ EMIS	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1-2 26.5 4.43051 2-3 31.3 6.17227 3-4 30.7 5.97204 4-5 25.9 6.38065 3-6 26.5 5.69423 6-7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 2.582 -64.667 114.892  ALPHA SCALE PT-PT 2.582 -64.667 114.892
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.839 -20.218 6 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471 4 -10.646 -20.271 5 -10.839 -20.230 6 -10.838 -20.437 7 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LON 2 -10.739 -20.363	RANGE AZS/C 68.79204 - 78.0 66.58185 - 59.4 69.46991 - 63.2 71.40718 - 56.9 68.35563 - 52.7 66.58185 - 59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 - 58.0 64.36174 - 59.4 67.15261 - 63.1 69.02267 - 56.9 66.07599 - 52.7 64.36174 - 59.4 25 MIN 25 SEC 494	AZN 10.4 9.7 10.8 11.1 10.0 9.7	24.  AZ SUN 8-79.3 -82.0 -82.3 -79.8  SEC TO 24.  AZ SUN 8-79.3 -82.3 -79.8  SEC TO 23.	AZA 32-0 31-8 31-8 31-8 31-8 31-8 31-8 31-8 31-1 32-1 32-1 146 AZA 32-0 31-8 31-3 32-1 32-1 32-1 31-8 TAB NO	58.53c33 A• 1.381c2 1.335c6 1.335c6 1.337c29 1.337c29 1.335c6 161  ALT 56.57715 A* 1.29055 1.34c17 1.384c4 1.32459 1.29055 162  ALT 54.61717	B/A AZ 0.876 — 0.836 — 0.836 — 0.836 — 0.852 — 0.852 — ATLAS  LAT -10.261  8/A AZ 0.876 — 0.876 — 0.838 — 0.838 — 0.838 — 0.876 — 0.853 — 0.876 — 0.853 — 0.876 — 0.853 — 0.876 — 0.87	PHAZ INCO 88.1 67.8 88.1 67.8 88.4 67.7 84.9 67.9 91.0 68.0 90.9 57.8 85.4 67.7 PHOTO NO  LCN 21.400 PHAZ INCO 88.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 67.8 85.4 67.7 PHOTO NO	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6 40.6 31.7 40.7 29.0 161  R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0 162  R 1790.072 PHAZ EMIS	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1-2 26.5 4.43051 2-3 31.3 6.17227 3-4 30.7 5.97204 4-5 25.9 6.38065 3-6 26.5 5.69423 6-7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 2.582 -64.667 114.892  ALPHA SCALE PT-PT 2.582 -64.667 114.892
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.839 -20.218 6 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471 4 -10.640 -20.271 5 -10.833 -20.437 7 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOT	RANGE AZS/C 68.79204 -8.0 66.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.25563 -52.7 66.58185 -59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 -58.0 64.36174 -59.4 67.15261 -63.1 69.02467 -56.9 66.07799 -52.7 64.36174 -59.4 25 MIN 25 SEC 494	AZN 10.4 9.7 10.8 11.1 10.0 9.7 10.8 AZN 11.1 10.0 9.7 10.8 11.1 10.0 9.7 10.8 10.4 9.7 10.8 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10.6	24.  AZ SUN -80.8 -79.8 -79.3 -82.3 -79.8 SEC TO 24.  AZ SUN -80.8 -79.8 -79.8 -79.8 -79.8 -79.8 -79.8	AZA 32-0 31-8 31-8 31-8 31-8 31-8 31-8 31-8 31-8	58.53c33  Ae  1.381c2 1.335c6 1.335c6 1.337c29 1.337c6  161  ALT 56.57715  Ae 1.335s4 1.29055 1.34c17 1.38c45 1.32c59 1.29055 162  ALT 54.61717  Ae 1.28944 1.24894600	B/A AZ 0.876 - 0.876 - 0.876 - 0.876 - 0.876 - 0.876 - ATLAS  LAT -10.261  B/A AZ 0.876 - 0.876 - ATLAS  LAT -10.273  B/A AZ 0.876 - 0	PHAZ INCO 880.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 57.8 85.4 67.7 PHOTO NO  LCN LCN LCN PHAZ INCD 88.1 67.8 85.4 67.7 PHOTO NO  LCN CPHAZ INCD 88.1 67.8 85.4 67.7 PHOTO NO  LCN CPHAZ INCD 88.1 67.8 85.4 67.7	1793.992 PHAZ EMIS 38.3 32.3 38.0 35.0 36.0 35.6 40.6 .31.7 40.7 29.0 161  PHAZ EMIS 38.3 32.3 40.7 29.0 162  PHAZ EMIS 38.3 32.3 40.7 29.0 162  PHAZ EMIS 38.3 32.3 40.7 29.0	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.380.65 5- 6 26.5 5.69423 6- 7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.28259 2- 3 31.3 5.96602 3- 4 30.6 5.77262 4- 5 25.8 6.16729 5- 6 26.4 5.50436 6- 7  POD SEQUENCE NO 951  V PTH AZ 2.582 -64.667 114.892  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.13449 2- 3
TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.421 5 -10.833 -20.437 7 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.743 -20.335 3 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.739 -20.333 3 -10.659 -20.475 4 -10.659 -20.475 4 -10.660 -20.242 5 -10.680 -20.242	RANGE AZS/C 68.79204 -8.0 66.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.25563 -52.7 66.58185 -59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 -58.0 64.36174 -59.4 67.15261 -63.1 69.02467 -56.9 66.07799 -52.7 64.36174 -59.4 25 MIN 25 SEC 494	AZN 10.4 9.7 10.8 11.1 10.0 9.7 10.8 AZN 11.1 10.0 9.7 10.8 11.1 10.0 9.7 10.8 10.4 9.7 10.8 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10.6	24.  AZ SUN -80.8 -79.8 -79.3 -82.3 -79.8 SEC TO 24.  AZ SUN -80.8 -79.8 -79.8 -79.8 -79.8 -79.8 -79.8	AZA 32-0 31-8 31-8 31-8 31-8 31-8 31-8 31-8 31-8	58.53c33  A•  1.381c2 1.335c6 1.335c6 1.337c29 1.337c29 1.337c6 161  ALT 56.57715  A• 1.32659 1.29055 162  ALT 54.61717  ALT 54.61717	B/A AZ 0.876 — 0.814 — 0.812 — 0.815 — 0.815 — 0.815 — ATLAS  LAT -10.261  B/A AZ 0.896 — 0.896 — 0.896 — 0.8976 —	21.427  PHAZ INCO 88.1 67.8 88.1 67.8 88.5.4 67.7 84.9 67.9 91.0 68.0 90.9 57.8 85.4 67.7  PHOTO NO  LON 21.400  PHAZ INCO 88.1 67.8 85.4 67.7  PHOTO NO  LON 21.373  PHOTO NO  LON 21.373  PHOTO NO  LON 21.373	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 40.7 29.0 36.1 33.2 40.7 29.0 161  R 1792.032 PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 40.7 29.0 162  R 1790.072 PHAZ EMIS 38.3 32.3 40.7 29.0 163.3 40.7 29.0 163.3 40.7 29.0 163.3 40.7 29.0	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 28.7 0. 1-2 26.5 4.43051 2-3 31.3 6.17227 3-4 30.7 5.97204 4-5 25.9 6.18055 5-6 26.5 5.69423 6-7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1-2 26.4 4.28259 2-3 31.3 5.96602 3-4 30.6 5.77262 4-5 25.8 6.16729 5-6 26.4 5.50436 6-7  POD SEQUENCE NO 951  V PTH AZ 2.582 -64.667 114.892  ALPHA SCALE PT-PT 28.7 0. 1-2 2.644 4.13449 2-3 31.3 5.96603 3-4  ALPHA SCALE PT-PT 26.7 0. 1-2 2.644 4.13449 2-3 31.3 5.96603 3-4
TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.747 -20.347 3 -10.661 -20.467 4 -10.647 -20.260 5 -10.839 -20.218 6 -10.845 -20.432 7 -10.661 -20.467  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471 4 -10.640 -20.271 5 -10.833 -20.437 7 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA  PT LAT LON 2 -10.743 -20.355 3 -10.660 -20.471  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PHOT	RANGE AZS/C 68.79204 -78.0 66.58185 -59.4 69.46991 -63.2 71.40718 -56.9 68.35563 -52.7 66.58185 -59.4 25 MIN 24 SEC 654  RANGE AZS/C 66.49776 -58.0 64.36174 -59.4 67.15261 -63.1 69.02467 -56.9 66.07599 -52.7 64.36174 -59.4 25 MIN 25 SEC 494  RANGE AZS/C 64.20202 -58.0 62.14017 -59.3 64.83386 -63.1 66.64070 -56.9 63.379485 -52.7	AZN 10.4 9.7 10.8 AZN 10.4 9.7 10.8 11.1 10.0 9.7 10.8 10.4 9.7 10.8 11.1 10.0 9.7 10.8 11.1 10.0 9.7 10.8 11.1 10.0 9.7 10.8 11.1 10.0 9.7 10.8 11.1 10.0 9.7 10.8 11.1 10.0 10.4 10.4 10.5 10.8 11.1 10.0 10.6 11.1 10.0 10.6 11.1 10.0 10.0	24.  AZ SUN -80.8 -79.8 -79.3 -82.3 -79.8 SEC TO 24.  AZ SUN -80.8 -79.8 -79.8 -79.8 -79.8 -79.8 -79.8	AZA 32-0 31-8 31-8 31-8 31-8 31-8 31-8 31-1 32-7 31-8 TAB NO  IMPACT 146  AZA 32-0 31-8 31-8 TAB NO	58.53c33  Ae  1.381c2 1.335c6 1.335c6 1.335c6 1.337c29 1.337c6 161  ALT 56.57715  Ae 1.33554 1.29055 1.34c17 1.38c46 1.32c459 1.29055 162  ALT 54.61717  Ae 1.28644 1.24640 1.24640 1.24640 1.249649 1.33624	B/A AZ 0.876 - 0.814 - 0.815 - 0.816 - 0.816 - 10.816 - 10.816 - ATLAS  LAT -10.261  B/A AZ 0.876 - 0.876 ATLAS  LAT -10.273  B/A AZ 0.846 - 0.876 - 0.876 - 0.878	PHAZ INCO 880.1 67.8 85.4 67.7 84.9 67.9 91.0 68.0 90.9 57.8 85.4 67.7 PHOTO NO  LCN LCN LCN PHAZ INCD 88.1 67.8 85.4 67.7 PHOTO NO  LCN CPHAZ INCD 88.1 67.8 85.4 67.7 PHOTO NO  LCN CPHAZ INCD 88.1 67.8 85.4 67.7	1793.992 PHAZ EMIS 38.3 32.3 38.3 32.3 40.7 29.0 36.1 33.2 36.0 35.6 40.6 31.7 40.7 29.0 161  PHAZ EMIS 38.3 32.3 40.7 29.0 162  PHAZ EMIS 38.3 32.3 40.7 29.0 162  PHAZ EMIS 38.3 32.3 40.7 29.0 36.1 33.2 24.0 36.1 33.2 8	V PTH AZ 2.580 -64.702 114.902  ALPHA SCALE PT-PT 26.5 4.43051 2- 3 31.3 6.17227 3- 4 30.7 5.97204 4- 5 25.9 6.380.65 5- 6 26.5 5.69423 6- 7  POD SEQUENCE NO 950  V PTH AZ 2.581 -64.685 114.897  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.28259 2- 3 31.3 5.96602 3- 4 30.6 5.77262 4- 5 25.8 6.16729 5- 6 26.4 5.50436 6- 7  POD SEQUENCE NO 951  V PTH AZ 2.582 -64.667 114.892  ALPHA SCALE PT-PT 28.7 0. 1- 2 2.582 -64.667 114.892  ALPHA SCALE PT-PT 28.7 0. 1- 2 26.4 4.13449 2- 3 31.3 5.75966 3- 4 31.3 5.75966 3- 4 31.3 5.75966 3- 4 30.6 5.57310 4- 5

			RA-VII	CAMERA	P4					28
			T/	AB NO	163	ATLAS PHO	TO NO	163	POD SE	EQUENCE NO 952
JULY 31,1964 13 HR	25 MIN 26 SEC 33	4 MS								
TRAJECTORY DATA			SEC TO I 22.4		AL T	LAT -10.286 -	LCN 21.345	R 1789-112	V 2-583	PTH AZ -64.649 114.887
PHOTO DATA	RANGE AZS/				Δ.			PHAZ EMIS		SCALE PT-PT
PT LAT LCN 2 -10.736 -20.370	RANGE AZS/0 61.90542 -58.0	10-4	-80.6	AZA 32.0	1.24331	0.846 -88.	1 67.8	38.3 32.3	28.6	0. 1-2
3 -10.658 -20.479 4 -10.645 -20.292	59.91775 -59.3 62.51427 -63.3			31.8	1.20144			40.7 29.0 36.1 33.2	26.4 31.3	3.98638 2- 3 5.55326 3- 4
5 -10.819 -20.254	64.25591 -56.9	11.1	-82.0	32.1	1.28842	0.815 -91.6	0 67.9	36-0 35-6	30.6	5.37339 4- 5
6 -10.824 -20.447 7 -10.658 -20.479	61.51289 -52. 59.91775 -59.	10.0	-82.3 -79.8	32.7 31.8	1.23311			40.6 31.6	25.8_	5.74036 5- 6 5.12392 6- 7
1 100000 200417	37072113	, , , , ,		AB NO		ATLAS PHO				EOUENCE NO 953
JULY 31,1964 13 HR	25 MIN 27 SEC 1	74 MS	• • • • • • • • • • • • • • • • • • • •	AB NO	104	AILAS FRO	10 110	104	100 31	EQUENCE NO 933
TRAJECTORY DATA			SEC TO I	MPACT.	AL T	LAT	LCN	R	Y	PTHAZ.
PHOTO DATA			21.6	26	50.69588	-10.298 -	21.318	1786.151	2.584	-64.632 114.881
PT LAT LCN	KANGE AZS/		AZ SUN	AZA	A+	B/A AZPHA	Z INCD	PHAZ EMIS	ALPHA	SCALE PT-PT
2 -10.732 -20.378 3 -10.657 -20.482	59.60727 -58.0 57.69378 -59.0	0 10.4 3 9.7	-80.8 -79.8	32.0	1.19716	0.846 -88. 0.876 -85.	4 67.7	40.7 29.0	26.4	0. 1-2 3.83821 2-3
4 -10.645 -20.303	60.1931463.	10.8	-79.3	31.3	1.20666	C.839 -84.		36-1.33-2.		5.34674 3- 4
5 -10.812 -20.266 6 -10.817 -20.452	61.86959 -56. 59.22936 -52.		-82.0 -82.3	32.1 32.6	1.24057	0.815 -91. 0.853 -90.	9 67.7	36.0 35.6 40.6 31.6	30.6 25.8	5.17377 4- 5 5.52675 5- 6
7 -10.657 -20.482	57.69378 -59.	9.7	-79.8	31.8	1.15684		4 67.7	40.7 29.0	26.4	4.93365 6- 7
			T	AB NO	165	ATLAS PHO	TO NO	165	POD SI	EQUENCE NO 954
JULY 31,1964 13 HR	25 MIN 28 SEC	14 MS								
TRAJECTURY DATA			SEC TO 1 20.7	PPACT	ALT 48.73438	LAT 3 -10.311 -	LCN 21.290	R 1784.190	V 2.585	PTH AZ -64.614 114.876
PHOTO DATA PT LAT LON	RANGE AZS/	C AZN	AZ SUN	AZA	Δ.	B/A AZPHA	Z INCO	PHAZ EMIS	ALPHA	SCALE PT-PT
2 -10.728 -20.366	57.30804 -58.	0 10.4		32.0		0.846 -88. 0.876 -85.		38.3 32.2 40.7 29.0		Q1-2 3.68995 2-3
3 +10.656 -20.486 4 -10.644 +20.314	55.46876 -59. 57.87096 -63.			31.8	1.11223	0.839 -84.	9 67.9	36.1 33.1	26.4 31.2	5.14015 3- 4
5 -10.805 -20.279 6 -10.810 -20.457	59.48222 -56. 56.94477 -52.	9 11.1	-82.0 -82.3	32.1 32.6	1.19270	0.815 -91.	0 67.9	36.0 35.5 40.6 31.6	30.6 25.8	4.97395 4- 5 5.31310 5- 6
6 -10.810 -20.457 7 -10.656 -20.486				31.8		0.033 -90.	7 01.1		26.4	4.74327 6- 7
1 -10.000 201400	55.46876 -59.	3 7.1	-79.7	31.0	1.11223	0.876 -85.	4 67.7	40.7 29.0	20.4	4.14321 0- 1
				AB NO		ATLAS PHO				EQUENCE NO 955
JULY 31,1964 13 HR					166	ATLAS PHO				
JULY 31,1964 13 HR				AB NO	166 AL T		DTO NO	166 R	POD S	
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA	25 MIN 28 SEC 8	54 MS	T. SEC TO I	AB NO	ALT 46.7722	ATLAS PHO	LCN 21.263 2 INCD	166 1782.227	POD S	EQUENCE NO 955
JULY 31,1964 13 HR TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.724 -20.394	25 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58.	54 MS C AZN O 10.4	T. SEC TO 1 19.9 AZSUN -80.8	AB NO	ALT 46.7722	LAT C -10.323 - B/A AZPHA 0.846 -88.	LCN 21.263 2 INCD 1 67.8	166 1782.227 PHAZ EMIS 38.3 32.2	POD S	PTH AZ -64.596 114.871 SCALE PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LON 2 -10.724 -20.394 3 -10.655 -20.490	25 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59.	54 MS C AZN O 10.4 3 9.7	SEC TO 1 19.9 AZ SUN -80.8 -79.7	AB NO IMPACT 946 AZA 32.0 31.8	ALT 46.7722	LAT C -10.323 - U/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9	R 1782-227 PHAZ EMIS 38-3 32-2 40-7 29-0 36-1 33-1	POD S 7 2.587 ALPHA 28.6 26.4	PTH AZ -64.596 114.871 SCALE PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291	25 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 55.54744 -63. 57.09352 -56.	54 MS  C AZN  O 10.4  3 9.7  1 10.8  9 11.1	AZ SUN -60.8 -79.7 -79.3 -82.0	AZA 32.0 31.8 31.3 32.1	ALT 46.7722 A* 1.10477 1.06759 1.11353 1.14481	LAT C -10.323 - B/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 0 67.9	R 1782.227 PHAZ EMIS 38.3 32.2 40.7 29.0 36.1 33.1 36.0 35.5	POD S V 7 2.587 ALPHA 28.6 26.4 31.2 30.6	PTH AZ -64.596 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5
JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA PT LAT LCN 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.644 -20.325	RANGE AZS/ 55.00749 -58. 53.24240 -59. 55.54744 -63.	54 MS  C AZN 0 10.4 3 9.7 1 10.4 9 11.1 7 10.0	AZ SUN -60.8 -79.7 -79.3 -82.0	AZA 32.0 31.8 31.3 32.1 32.6	ALT 46.7722 A* 1.10477 1.06759 1.11353	LAT C -10.323 - B/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91. 0.853 -90.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 9 67.9	R 1782.227 PHAZ EMIS 38.3 32.2 40.7 29.0 36.1 33.1 36.0 35.5	POD S V 7 2.587 ALPHA 28.6 26.4 31.2 30.6 25.8	PTH AZ -64.596 114.871 SCALE PT-PT
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LON 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462	RANGE AZS/ 55.00749 - 58. 53.24240 - 59. 55.54744 - 63. 57.09352 - 56. 54.65884 - 52.	54 MS  C AZN 0 10.4 3 9.7 1 10.4 9 11.1 7 10.0	AZ SUN -60.8 -79.7 -79.3 -82.0 -82.3 -79.7	AZA 32.0 31.8 31.3 32.1 32.6	ALT 46.7722 A* 1.10477 1.06759 1.11353 1.14481 1.09571 1.06759	LAT C -10.323 - B/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 0 67.9 9 67.7 4 67.7	R 1782-227 PHAZ EMIS 38-3 32-2 40.7 29-0 36-1 33-1 36-0 35-5 40-6 31-6 40-7 29-0	POD S 7 2.587 ALPHA 28.6 26.4 31.2 30.6 25.8 26.4	PTH AZ -64.596 114.871 SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.09934 5-6
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LON 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462	Z5 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 54.65884 -52. 53.24240 -59.	C AZN 0 10.43 9.7 1 10.89 9 11.1 7 10.0 3 9.7	AZ SUN -60.8 -79.7 -79.3 -82.0 -82.3 -79.7	AZA 32.0 31.8 31.3 32.1 32.6 31.8	ALT 46.7722 A* 1.10477 1.06759 1.11353 1.14481 1.09571 1.06759	LAT C -10.323 - B/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91. 0.853 -90. 0.853 -90.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 0 67.9 9 67.7 4 67.7	R 1782-227 PHAZ EMIS 38-3 32-2 40.7 29-0 36-1 33-1 36-0 35-5 40-6 31-6 40-7 29-0	POD S 7 2.587 ALPHA 28.6 26.4 31.2 30.6 25.8 26.4	PTH AZ -64.596 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.00934 5-6 4.55279 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.490  JULY 31,1964 13 HR  TRAJECTORY DATA	Z5 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 54.65884 -52. 53.24240 -59.	C AZN 0 10.43 9.7 1 10.89 9 11.1 7 10.0 3 9.7	AZ SUN -60.8 -79.7 -79.3 -82.0 -82.3 -79.7	AZA 32.0 31.8 32.1 32.6 21.8 AB NO	ALT 46.7722 A* 1.10477 1.06759 1.11353 1.14481 1.09571 1.66759	LAT C -10.323 - B/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91. 0.853 -90. 0.853 -90.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 9 67.7 4 67.7 OTO NO	R 1782-221 PHAZ EMIS 38-3 32-2 40-7 29-0 36-1 33-1 36-0 35-5 40-6 31-6 40-7 29-0	POD Si v 7 2.587 ALPHA 28.6 26.4 31.2 30.6 25.8 26.4 POD S	PTH AZ -64.596 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.00934 5-6 4.55279 6-7
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.490  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA	25 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 55.54744 -63. 57.09352 -56. 54.65884 -52. 53.24240 -59. 25 MIN 29 SEC 6	54 MS  C AZN 0 10.4 3 9.7 1 10.8 7 10.0 7 10.0 7 9.7	AZ SUN -60.8 -79.7 -79.3 -82.3 -79.7 T	AZA 32.0 31.3 32.1 32.6 21.8 NO	ALT 46.7722 A* 1.10477 1.06759 1.11353 1.14481 1.09571 1.66759	ATLAS PHO  LAT C -10.323 -  B/A AZPHA 0.846 -885. 0.839 -844. 0.815 -91. 0.853 -90. 0.876 -85.  ATLAS PHO	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 9 67.7 4 67.7 OTO NO	R 1782-227 PHAZ EMIS 1 38-3 32-2 40-7 29-0 30-1 33-1 30-0 35-5 40-6 31-6 40-7 29-0 167	POD Si V 7 2.587 ALPHA 28.6 26.4 31.2 30.6 25.8 26.4 POD S	PTH AZ -64.596 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.97347 3-4 4.77414 4-5 5.09934.5-6-7  EQUENCE NO 956
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -10.724 -20.374 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.490  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.720 -20.402	Z5 MIN 28 SEC 8  RANGE AZS/ 55.00749 -88. 53.24240 -59. 55.54744 -63. 57.09352 -56. 54.65884 -52. 53.24240 -59.  Z5 MIN 29 SEC 6	C AZN 0 10.4 3 9.7 1 10.0 9 11.1 7 10.0 3 9.7 94 MS	T.  SEC TO 1 19.9  AZ SUN -80.8 -79.7 -79.3 -82.0 -82.3 -79.7  T  SEC TO 1 19.1  AZ SUN -80.8	AZA 32.0 31.8 31.3 32.1 32.6 21.8 AB NO	ALT 46.7722: A.110477 1.06759 1.11353 1.14461 1.06759 167 ALT 44.8094 A.	LAT C -10.323 - U/A AZPHA C -88. 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91. 0.853 -90. 0.876 -87. ATLAS PHO LAT Z -10.336 - B/A AZPHA 0.846 -88.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 9 67.9 9 67.7 4 67.7 DTO NO  LCN 21.235 2 INCD 1 67.7 NO.	R R 1782-227 PHAZ EMIS 38-3 32-2 40-7 29-0 36-1 33-1 36-0 35-5 40-6 31-6 40-7 29-0 167	POD Si  V 7 2.587  ALPHA 28.6 26.4  20.6 25.8 26.4  POD S  V 2.588  ALPHA 28.6	PTH AZ -64.596 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.00934 5-6 4.55279 6-7  EQUENCE NO 956  PTH AZ -64.578 114.866  SCALE PT-PT 0. 1-2
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.664 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.490  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.720 -20.402 3 -10.654 -20.494	Z5 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 55.54744 -63. 57.09352 -56. 54.65884 -52. 53.24240 -59. 25 MIN 29 SEC 6	54 MS  C AZN 0 10.4 9 11.1 1 0.0 3 9.7 94 MS  C AZN 0 AZN 0 10.4 3 9.8	T. SEC TO 1 19.9  AZ SUN -80.8 -79.7 -79.3 -82.0 -82.3 -79.7 T. SEC TO 1 19.1  AZ SUN -80.8 -79.7	AZA 32.0 31.8 31.3 32.1 32.6 21.8 AB NO  IMPACT 106  AZA 32.0 31.8	ALT 46.7722: A** 1.10477 1.06759 1.11353 1.14481 1.09571 1.06759 167  ALT 44.8094 A* 1.05252	ATLAS PHO  LA1 C -10.323 -  B/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91. 0.853 -91. 0.853 -91. 0.876 -85.  ATLAS PHO  LAT Z -10.336 -  B/A AZPHA 0.846 -86. 0.876 -85.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 9 67.9 9 67.7 OTO NO  LCN 21.235 Z INCD 1 67.8 4 67.7 OTO NO	166  R 1782.221 PHAZ EMIS 38.3 32.2 40.7 29.0 36.1 33.1 36.0 35.5 40.7 29.0 167  R 1780.261 38.3 32.2 40.7 29.0	POD Si  V 7 2.587  ALPHA 28.6 26.4  20.6 25.8  V 9 2.588  ALPHA 28.6 26.6	PTH AZ -64.578 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.09934.5-6 4.55279 6-7  EQUENCE NO 956  PTH AZ -64.578 114.866  SCALE PT-PT 0. 1-2 3.39329 2-3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.724 -20.374 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.490  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.720 -20.402 3 -10.654 -20.494 4 -10.654 -20.336 5 -10.791 -20.303	25 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 55.54744 -63. 57.09352 -56. 54.65884 -52. 53.24240 -59.  25 MIN 29 SEC 6  RANGE AZS/ 52.70572 -58. 51.01485 -59. 53.22270 -63. 54.70371 -56.	C AZN 0 10.443 9.7 1 10.69 9 11.1 7 10.0 3 9.7 94 MS	AZ SUN -80.8 -79.7 T SEC TO 1 19.9 -82.3 -79.7 T AZ SUN -80.8 8-79.7 T AZ SUN -80.8 8-79.7 -79.3 -82.6 -79.7 -79.3 -82.8 -82.8 -79.7 -79.3 -82.8	AZA 32.0 31.8 31.3 32.1 32.6 21.8 AB NO IMPACT 106 AZA 32.0 31.8 31.4 32.4	ALT 46.7722  1.10477 1.06759 1.11353 1.14481 1.06759  ALT 44.8094  A. 1.05854 1.02252 1.06662 1.096652	LAT C -10.323 -  B/A AZPHA C -88. C -87. C -85. C -85. C -85. C -87. ATLAS PHC  LAT 2 -10.336 -  B/A AZPHA C -85. C -87.	LCN 21.263 2 INCD 1 67.9 9 67.9 9 67.7 4 67.7 DTO NO  LCN 21.235 2 INCD 1 67.8 4 67.7 9 67.8 0 67.9	R 1782-221 PHAZ EMIS 38-3 32-2 40-7 29-0 36-1 33-1 36-0 35-5 40-6 31-6 71780-26 PHAZ EMIS 38-3 32-2 7 40-7 29-0 36-1 33-1 36-0 35-5 36-0 35-5 36-0 35-5	POD Si v 2.587 ALPHA 28.6 26.4 31.2 30.6 25.8 26.4 POD S v 2.588 ALPHA 28.6 26.4 31.2 30.6	PTH AZ -64.578 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.09934.5-6 4.55279 6-7  EQUENCE NO 956  PTH AZ -64.578 114.866  SCALE PT-PT 0. 1-2 3.39329 2-3 4.72670 3-4 4.57423 4-5
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LCN 2 -10.724 -20.394 3 -10.655 -20.492 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.492  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT 2 -10.720 -20.402 3 -10.654 -20.336 5 -10.791 -20.303 6 -10.796 -20.467	Z5 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 54.65884 -52. 53.24240 -59.  Z5 MIN 29 SEC 6  RANGE AZS/ 52.70572 -58. 51.01485 -59. 53.22270 -63.	C AZN 0 10.4 4 3 9.7 1 10.8 9 9 11.1 1 7 10.0 0 1 9.7 7 10.0 0 10.4 3 9.8 1 10.8 1 10.8 9 11.1 7 10.0	T.  SEC TO 1 19.9  AZ SUN -80.8 -79.7 -79.3 -82.0 -82.3 -79.7  T.  SEC TO 1 19.1 -80.8 -79.7 -79.3 -82.0 -82.3	AZA 32.0 31.8 32.1 32.1 32.1 32.1 32.1 32.1 32.1 32.1	ALT 46.7722: A* 1.10477 1.06759 1.11353 1.14481 1.06759 167  ALT 44.8094 1.05854 1.02222 1.09669 1.0969	LAT C -10.323 - B/A AZPHA C.846 -88. C.876 -85. C.839 -81. C.815 -91. C.853 -9C. ATLAS PHC LAT Z -10.336 - B/A AZPHA C.816 -85. C.876 -85. C.837 -85. C.839 -85. C.839 -85. C.839 -91. C.853 -91.	LCN 21.235 Z INCD 167.8 4 67.7 7 67.7 NO LCN 21.235 Z INCD 167.8 4 67.7 OTO NO	R R 1782.221 PHAZ ÉMIS 38.3 32.2 40.7 29.0 36.1 33.1 36.0 35.5 40.6 31.6 70.7 29.0 167 R 1780.265 PHAZ EMIS 38.3 32.2 740.7 29.0 36.1 33.1	POD SI 7 2.587 ALPHA 28.6 26.4 30.6 25.8 26.4 POD S  V 5 2.588 ALPHA 28.6 26.4 31.2	PTH AZ -64.578 114.871  SCALE PT-PT 0. 1-2 3.55171 2-3 4.93347 3-4 4.77414 4-5 5.00934 5-6 4.55279 6-7  EQUENCE NO 956  PTH AZ -64.578 114.866  SCALE PT-PT 0. 1-2 3.39329 2-3 4.72670 3-4
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.724 -20.374 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.490  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA  PT LAT LCN 2 -10.720 -20.402 3 -10.654 -20.494 4 -10.654 -20.496 5 -10.771 -20.303	Z5 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 55.5474 -63. 57.09352 -56. 34.65884 -52. 53.24240 -59. 25 MIN 29 SEC 6  RANGE AZS/ 52.70572 -58. 51.01485 -59. 53.22270 -53. 54.70371 -56. 52.37180 -52.	C AZN 0 10.4 3 9.7 1 10.8 9 9 11.1 7 10.0 0 10.4 8 1 10.8	AZ SUN -80.8 -79.7 T  SEC TO 1 19.9    AZ SUN -80.8 -79.7 T  SEC TO 19.1    AZ SUN -80.8   -79.7 T  AZ SUN -80.8   -79.7 -79.3   -82.0   -82.3   -79.7   -82.0	AR NO  APPACT  32.0  AIA  32.0  31.8  31.8  31.8  32.1  32.6  21.8  AB NO  IMPACT  106  AZA  32.0  31.8  31.4  32.6  31.8  31.4  32.6  31.8	ALT 46.7722: A** 1.10477 1.06759 1.11353 1.14481 1.09579 167  ALT 44.8094 A* 1.05854 1.02292 1.06692 1.06692 1.06692 1.06692 1.09669 1.09297 1.02292	LAT 2 -10.323 -  U/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91. 0.853 -91. 0.876 -85.  ATLAS PHO  LAT 2 -10.336 -  8/A AZPHA 0.846 -88. 0.876 -85.  C.839 -84. C.815 -91. C.853 -91. C.853 -91. C.853 -91. C.853 -91. C.853 -85.	LCN 21.263 2 INC0 167.79 90 67.99 90 67.99 10 67.70 10 NO 10	166  R 1782-227 PHAZ EMIS 38-3 32-2 40-7 29-0 167  R 1780-26 PHAZ EMIS 38-3 32-2 7 40-7 29-0 36-1 33-1 36-0 35-5 7 40-7 29-0 36-1 33-1 36-0 35-5 7 40-7 29-0	POD Si v 2.587 ALPHA 28.6 26.4 POD S V 2.588 ALPHA 28.6 26.4 31.2 30.6 25.8 ALPHA 28.6 26.4 26.4 26.4 26.4 26.4 26.4 26.4 26	PTH AZ -64.578 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.09934.5-6 4.55279 6-7  EQUENCE NO 956  PTH AZ -64.578 114.866  SCALE PT-PT 0. 3.39329 2-3 4.72670 3-4 4.57423 4-5 4.86552 5-6 4.36221 6-7
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JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.492  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.720 -20.402 3 -10.654 -20.494  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 2 -10.720 -20.402 3 -10.654 -20.494  JULY 31,1964 13 HR TRAJECTORY DATA PT LAT LON 7 -10.654 -20.494	Z5 MIN 28 SEC 8  RANGE AZS/ 25.00749 -88. 53.24240 -59. 55.54744 -62. 57.09352 -56. 24.65884 -52. 53.24240 -59. 25 MIN 29 SEC 6  RANGE AZS/ 52.70572 -58. 51.01485 -59. 53.2270 -63. 54.70371 -56. 52.37180 -52. 51.01485 -59.	C AZN MS  C AZN 0 10.4 3 9.7 1 10.0 9 11.1 7 9.7 94 MS  C AZN 0 10.4 3 9.8 1 10.6 1 10.6 3 9.8 3 9.8 3 9.8 3 9.8	AZ SUN	AB NO  AZA 32.0 31.8 31.3 32.1 92.6 21.8  AB NO  IMPACT 106  AZA 32.0 31.4 32.1 32.6 31.8  AB NO	166  ALT 46.7722: A** 1.10477 1.06759 1.11353 1.14481 1.09571 1.06759  167  ALT 44.8094 A* 1.05821 1.09292 1.09662 1.09669 1.09268 ALT 42.8459 A* 1.01229	ATLAS PHO  LA1 C -10.323 -  B/A AZPHA 0.846 -88. 0.876 -85. ATLAS PHO  LA1 2 -10.336 -  B/A AZPHA 0.846 -88. 0.876 -85. C.839 -84. C.815 -91. C.853 -90. 0.876 -85.  ATLAS PHO  LAT c -10.349 -  B/A AZPHA C.846 -86. C.849 -84. C.849 -84. C.849 -84. C.849 -90. C.853 -90. C.853 -90. C.854 -90. C.855 -90. C.855 -90. C.856 -85.  ATLAS PHO  LAT 6 -10.349 -  B/A AZPHA C.846 -86.	LCN 21.263 2 INCC 11.207 NO LCN 21.235 2 INC 01.207 NO LCN 21.207 NO LCN	166  1782.221  PHAZ EMIS 38.3 32.2 40.7 29.0 167  R 1780.261 2 40.7 29.0 167  R 1780.261 3 30.3 3 32.2 40.7 29.0 167  R 1780.261 6 40.7 29.0 167  R 1780.261 6 7 40.7 29.0 168  R 1778.30 0 PHAZ EMIS 3 30.2 168  R 1778.30	POD S  7 2.587  ALPHA 28.6 26.4 31.2 30.6 25.8 26.4  POD S  V 5 2.588  ALPHA 28.6 25.8 26.4  POD S	PTH AZ -64.578 114.871  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.00934.5-6 4.55279 6-7  EQUENCE NO 956  PTH AZ -64.578 114.866  SCALE PT-PT 0. 3.39329 2-3 4.72670 3-4 4.57423 4-5 4.88522 5-6 4.865221 6-7  EQUENCE NO 957  PTH AZ -64.560 114.861
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.724 -20.394 3 -10.655 -20.492 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.492  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.720 -20.462 3 -10.654 -20.366 5 -10.791 -20.303 6 -10.796 -20.467 7 -10.654 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.716 -20.494  PHOTO DATA PT LAT LCN 2 -10.654 -20.494	Z5 MIN 28 SEC 8  RANGE AZS/ 55.00749 -86. 53.24240 -59. 55.54744 -63. 57.09352 -56. 54.65884 -52. 53.24240 -59. 25 MIN 29 SEC 6  RANGE AZS/ 52.70572 -58. 51.01485 -59. 53.22270 -63. 54.70371 -56. 52.37180 -52. 51.01485 -59. 52.51.01485 -59.	C AZN 0 10.4 4 7 10.0 3 9.8 1 1.1 7 10.0 3 9.8 34 MS	AZ SUN -80.8 -79.7 T SEC TO 1 19.9 AZ SUN -80.8 -79.7 T SEC TO 1 19.1 AZ SUN -80.8 -79.7 T SEC TO 1 19.1	AB NO  IMPACT  146  AZA  32.0  31.8  31.3  32.1  12.6  AB NO  IMPACT  106  AZA  32.0  31.8  31.4  32.6  31.8  AB NO	ALT 46.7722: A. 1.10477 1.06759 1.11353 1.14481 1.06759 167 44.8094 A. 1.05854 1.02252 1.06652 1.06652 1.06652 1.06652 1.04987 1.02252 1.06652 1.04987 1.02252 1.06652 1.04987 1.02252 1.0668 ALT 42.8459 A. 1.012252 1.06652 1.04987 1.02252 1.06652 1.04987 1.02252 1.04987 1.02252 1.04987	LAT 2 -10.323 -  B/A AZPHA 0.815 -91. 0.853 -90. 0.876 -85. ATLAS PHO  LAT 2 -10.336 -  B/A AZPHA 0.815 -91. 2 -10.336 -  B/A AZPHA 0.846 -88. 0.876 -85.  ATLAS PHO  LAT 2 -10.336 -  B/A AZPHA 0.846 -88. 0.876 -85.  ATLAS PHO  LAT C.833 -90. C.836 -85.	LCN 21.263 2 INCO NO  LCN 27.79 0 67.79 0 67.79 0 67.79 1 67.87 0 67.77 0 67.87 0 67.77 0 67.87 0 67.87 0 67.87 0 67.87 0 67.87	166  R 1782.227  PHAZ EMIS 38.3 32.2 40.7 29.0 167  1780.261  PHAZ EMIS 38.3 32.2 7 40.7 29.0 167  R 1780.261  PHAZ EMIS 38.3 32.2 7 40.7 29.0 168  R 1778.30  PHAZ EMIS 38.3 32.2 7 40.7 29.0	POD Si 2.587  ALPHA 28.6 26.4  POD S V 2.588  ALPHA 28.6 26.4  POD S V 2.588  ALPHA 28.6 26.4  POD S 2.588	PTH AZ -64-578 114-866  SCALE PT-PT 0. 1-2 3.551/371 3-4 4.777414 4-5 5.0934 5-6 4.55279 6-7  EQUENCE NO 956  PTH AZ -64-578 114-866  SCALE PT-PT 0. 1-2 3.39329 2-3 4.72670 3-4 4.57423 4-5 4.88552 5-6 4.36221 6-7  EQUENCE NO 957  FTH AZ -64-560 114-861  SCALE PT-PT 0. 3-4 -64-560 114-861  SCALE PT-PT 0. 42 -64-560 114-861  SCALE PT-PT 0. 3-24485 2-3 3.24485 2-3
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.724 -20.394 3 -10.655 -20.490 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.490  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.720 -20.402 3 -10.654 -20.494 4 -10.644 -20.336 5 -10.791 -20.303 6 -10.796 -20.467 7 -10.654 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.716 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -10.716 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -10.716 -20.494  JULY 31,1964 3 -20.494  PHOTO DATA PT LAT LCN 2 -10.716 -20.490 3 -10.653 -20.498	25 MIN 28 SEC 8  RANGE AZS/ 55.00749 -58. 53.24240 -59. 55.54744 -63. 57.09352 -56. 54.65884 -52. 53.24240 -59. 25 MIN 29 SEC 6  RANGE AZS/ 52.70572 -58. 51.01485 -59. 52.37180 -59. 52.37180 -52. 51.01485 -59. 52.37180 -52. 51.01485 -59. 52.37180 -52. 51.01485 -59. 52.37180 -52. 51.01485 -59. 52.37180 -52. 51.01485 -59. 52.37180 -52. 51.01485 -59. 52.37180 -52. 51.01485 -59. 52.37180 -52. 51.01485 -59. 52.37180 -52. 51.01485 -59.	C AZN 0 10.4 3 9.7 1 10.0 9 11.1 7 10.0 3 9.7 94 MS C AZN 0 10.4 3 9.8 1 10.8 9 11.1 1 0.0 3 9.8 1 10.8 9 11.1 1 0.0 1 0.4 3 9.8 9 11.1 1 0.0 1 0.4 3 9.8 9 11.1 1 0.0 1 0.4 3 9.8 9 11.1 1 0.0 1 0.4 1 0.0 1 0.	AZ SUR -19.7 -80.8 -19.7 -79.3 -82.0 -82.3 -79.7 T SEC TO I 19.1 AZ SUR -80.8 -79.7 -79.3 -62.0 -82.3 -79.7 T SEC TO I 19.1	AB NO  IMPACT  146  AZA  32.0  31.8  31.3  22.6  21.8  AB NO  IMPACT  106  AZA  32.0  31.8  31.8  31.8  31.8  31.8  31.8  31.4  32.1  32.6  AZA  32.0  31.8  31.8	ALT 46.7722: A* 1.10477 1.06759 1.113451 1.06759 167  ALT 44.8094 A* 1.05854 1.02292 1.09669 1.04987 1.02292 1.04887 42.8459 4.01229 6.97823 1.02029	LAT 2 -10.323 -  U/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91. 0.853 -90. 0.876 -85.  ATLAS PHO  LAT 2 -10.336 -  8/A AZPHA 0.815 -91. 0.846 -88. 0.876 -85.  ATLAS PHO  LAT 6 -10.349 -  B/A AZPHA C.815 -90. 0.876 -85.  ATLAS PHO  LAT 6 -10.349 -  B/A AZPHA C.846 -86. C.833 -84. C.835 -84. C.835 -84.	LCN 21.263 2 INCD 1 67.8 4 67.7 90 67.9 90 67.9 1 67.7 OTO NO  LCN 21.235 2 INCD 1 67.6 0 67.7 9 67.7 0 67.7 0 67.7 0 67.7 0 67.7 0 67.7 0 67.7 0 67.7 0 67.7 0 67.7 0 67.7 0 67.7 0 67.8	166  R 1782-227 PHAZ EMIS 38-3 32-2 40-7 29-0 167  R 1780-26 PHAZ EMIS 38-3 32-2 7 40-7 29-0 167  R 1780-26 PHAZ EMIS 38-3 32-2 7 40-7 29-0 168  R 1778-30 PHAZ EMIS 38-3 32-2 7 40-7 29-0 168  R 1778-30 PHAZ EMIS 38-3 32-2 7 40-7 29-0 36-1 33-1 3-1 3-3-0 3-3-1 3-3-	POD Si v 2.587 ALPHA 28.6 26.4 POD S V 2.588 ALPHA 28.6 26.4 POD S V 2.588 26.4 POD S 2.589 26.4 POD S	PTH AZ -64.578 114.866  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.00934.5-6 4.55279 6-7  EQUENCE NO 956  SCALE PT-PT 0. 3.9329 2-3 3.9329 2-3 4.72670 3-4 4.57423 4-5 4.84552 5-6 4.36221 6-7  EQUENCE NO 957  PTH AZ -64.560 114.861  SCALE PT-PT 0. 3.24485 2-3 4.51982 3-4 4.37423 4-5
JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA  PT LAT LCN 2 -10.724 -20.394 3 -10.655 -20.492 4 -10.644 -20.325 5 -10.798 -20.291 6 -10.803 -20.462 7 -10.655 -20.492  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.720 -20.462 3 -10.654 -20.366 5 -10.791 -20.303 6 -10.796 -20.467 7 -10.654 -20.494  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTO DATA PT LAT LCN 2 -10.716 -20.494  PHOTO DATA PT LAT LCN 2 -10.654 -20.494	Z5 MIN 28 SEC 8  RANGE AZS/ 55.00749 -86. 53.24240 -59. 55.54744 -63. 57.09352 -56. 54.65884 -52. 53.24240 -59. 25 MIN 29 SEC 6  RANGE AZS/ 52.70572 -58. 51.01485 -59. 53.22270 -63. 54.70371 -56. 52.37180 -52. 51.01485 -59. 52.51.01485 -59.	C AZN 0 10.4 3 9.7 1 10.8 9 11.1 7 10.0 3 9.7 94 MS C AZN 0 10.4 3 9.8 1 10.8 9 11.1 7 10.0 3 9.8 1 10.8 9 11.1 1 10.0 3 9.8 1 10.8 1 10.8	AZ SUN -80.8 -79.7 T  SEC TO 1 19.9 -82.3 -82.0 -82.3 -79.7 T  SEC TO 1 19.1 AZ SUN -80.8 -79.7 T  SEC TO 1 16.1 AZ SUN -90.7 T  SEC TO 10 16.1 AZ SUN -90.7 T  SEC TO 10 16.1 AZ SUN -90.7 T  SEC TO 10 16.1 AZ SUN -90.7 T	AB NO  IMPACT  146  AZA  32.0  31.8  31.3  32.1  12.6  AB NO  IMPACT  106  AZA  32.0  31.8  31.4  32.1  32.6  31.8  AB NO	ALT 46.7722: A* 1.10477 1.06759 1.11353 1.14481 1.06759 167  ALT 44.8094 A* 1.02292 1.04691 1.02292 1.04691 1.02292 1.04894 1.02292 1.04894 1.02292	LAT 2 -10.323 -  U/A AZPHA 0.846 -88. 0.876 -85. 0.839 -84. 0.815 -91. 0.853 -90. 0.876 -85.  ATLAS PHO  LAT 2 -10.336 -  8/A AZPHA 0.815 -91. 0.846 -88. 0.876 -85.  ATLAS PHO  LAT 6 -10.349 -  B/A AZPHA C.815 -90. 0.876 -85.  ATLAS PHO  LAT 6 -10.349 -  B/A AZPHA C.846 -86. C.833 -84. C.835 -84. C.835 -84.	LCN 21.263 2 INCD 1 67.8 4 67.7 9 67.9 9 67.9 9 67.9 1 67.7 OTO NO  LCN 21.235 2 INCD 1 67.7 4 67.7 OTO NO  LCN 21.235 2 INCD 1 67.7 4 67.7 9 67.8 67.7 9 67.8 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9	R R 1782.221 PHAZ EMIS 38.3 32.2 40.7 29.0 36.1 33.1 36.0 35.5 40.6 31.6 7 40.7 29.0 167 R R 1780.269 PHAZ EMIS 3 8.3 32.2 7 40.7 29.0 168 R 1778.30 PHAZ EMIS 3 8.3 32.2 7 40.7 29.0 168 R 1778.30 PHAZ EMIS 3 8.3 32.2 7 40.7 29.0 168 R 1778.30	POD S  7 2.587 ALPHA 28.6 26.4 30.6 25.8 26.4 POD S  4 2.588 ALPHA 28.6 25.4 POD S  1 2.589 ALPHA 28.6 25.8 26.4 29.0 1 2.589 ALPHA 28.6 25.8	PTH AZ -64.578 114.866  SCALE PT-PT 0. 1-2 3.54171 2-3 4.93347 3-4 4.77414 4-5 5.00934.5-6 4.55279 6-7 EQUENCE NO 956  PTH AZ -64.578 114.866  SCALE PT-PT 0. 3.39329 2-3 4.72670 3-4 4.57423 4-5 4.86552 5-6 4.36221 6-7  EQUENCE NO 957  PTH AZ -64.560 114.861  SCALE PT-PT 0. 1-2 3.24485 2-3 4.57423 3-4 54.36221 6-7  EQUENCE NO 957

		BA	-VII CAMERA	P4			29 .
JULY 31,1964 13 HR	25 MIN 31 SEC 37	4 MS .	TAB NO	169	ATLAS PHOTO NO	169	POD SEQUENCE NO 958
TRAJECTORY DATA		SEC	TO IMPACT 17.426	ALT	LAT LON	R	y PTH . AZ
PHOTO DATA							2.590 -64.542 114.855
PT LAT LCN 2 -10.713 -20.418	RANGE AZS/C 48.09819 -58.0	AZN AZ:	SUN AZA D.8 32.0	A* C.96601 C	B/A AZPHAZ INCD 0.846 -88.1 67.8	PHAZ EMIS 38.3 32.2	28.6 0. 1-2
3 -10.652 -20.502 4 -10.643 -20.357	46.55574 -59.3 48.56924 -63.1	9.8 -7	9.7 31.9	0.93351 C	1.876 -85.4 67.7	40.7 28.9	26.4 3.09640 2- 3
5 -10.777 -20.328	49.92005 -56.9	11.1 -8	9.3 31.4 1.9 32.1	1.00097 0	B16 -91.0 67.9	36.1 33.1 36.0 35.5	30.5 4.17402 4- 5
6 -10.782 -20.477 7 -10.652 -20.502	47.79365 -52.7 46.55574 -59.3	10.0 -8 9.8 -7	2.3 32.6 9.7 31.9	0.95809.0	0.853 -90.9 67.7 0.876 -85.4 67.7	40.6 31.6	25.8 4.45759 5- 6 26.4 3.98074 6- 7
1 -10.032 -20.302	40173314 -3413	7.0 -1	TAB NO		ATLAS PHOTO NO		POD SEQUENCE NO 959
JULY 31,1964 13 HR	25 MIN 32 SEC 21	3 #S					
TRAJECTORY DATA		\$ E C	TC IMPAÇT 16.586	ALT 38.91740	LAT LON -10.374 -21.152	R 1774.373	<u>y PTH AZ</u> 2.591 -64.524 114.850
PHOTO DATA PT LAT LON	RANGE AZS/C	AZN AZ	SUN AZA	A =	B/A AZPHAZ INCO	PHAZ EMIS	ALPHA SCALE PT-PT
2 -10.709 -20.426	45.792,70 -58.0	10.4 -8	0.8 32.0	0.91970	0.846 -86.1 67.6	38.3 32.2	28.6 0. 1- 2 26.4 2.94783 2- 3
3 -10.651 -20.506 4 -10.642 -20.368	44.32448 -59.3 46.24063 -63.1 47.52655 -56.9	9.8 -7 10.8 -7	9.7 31.9 9.3 31.4	0.88877 ( C.92696 (		40.7 28.9 36.1 33.1	31.2 4.10582 3-4
5 -10.770 -20.340			1.9 32.1	0.95298 (	0.816 -91.0 67.9	36.0 35.5	30.5 3.97381 4- 5
6 -10.774 -20.483 7 -10.651 -20.506	45.50286 -52.7 44.32448 -59.3	10.0 -8 9.8 -7	2.3 32.6 9.7 31.9	0.91217 ( C.68877 (		40.6 31.6	25.8 4.24353 5- 6 26.4 3.78986 6- 7
			TAB NO	171	ATLAS PHOTO NO	171	POD SEQUENCE NO 960
JULY 31,1964 13 HR	25 MIN 33 SEC 5	3 MS	,,,,,				, , , , , , , , , , , , , , , , , , , ,
TRAJECTORY PATA		SEC	TO IMPACT 15.746	ALT 36.95218	LAT LCN -10-387 -21-124	K 1772.407	V PTH AZ 2.592 -64.506 114.845
PHOTO DATA PT LAT LON	D4107 1154		SUN AZA	Δ.	B/A AZPHAZ INCO		
2 -10.705 -20.434	RANGE AZS/0 43.46579 +58.0	AZN 4Z 10.4 -8	0.8 32.0		3.846 -88.1 67.8	3 38.3 32.2	28.6 0. 1-2 26.4 2.79919 2-3
3 -10.650 -20.510	42.09182 -59.3	9.8 -7	9.7 31.9	C.844CO (	0.877 -85.4 67.7	7 40.7 28.9	
4 -10.642 -20.379 5 -10.763 -20.352	43.91101 -63.1 45.13164 -56.9		9.3 31.4 1.9 32.1	C.9C495 (		36.1 33.1	31.2 3.69869 3- 4 30.5 3.77341 4- 5
6 -10.767 -20.488	43.21067 -52.7	10.0 -8	2.3 32.6	C.86622 (	0.853 -90.9 67.7	7 40.6 31.6	25.8 4.02937 5- 6
7 -10.650 -20.510	42.09182 -59.3	9.8 -7	9.7 31.9	C.844CO (		1 40.7 28.9	26.4 3.59896 6- 7
JULY 31,1964 13 HR	25 MIN 33 SEC 89	13 MS	TAB NO	172	ATLAS PHOTO NO	172	POD SEQUENCE NO 961
TRAJECTORY DATA			TC [MPACT 14.906	ALT 34.98640	LAT LON -10.399 -21.096	R 1770.442	V PTH AZ 2.594 -64.488 114.839
PHOTO DATA	BANGE AZSZO	. AZN AZ	SUN AZA	Δ.	B/A AZPHAZ INCH	DHAT ENIS	ALPHA SCALE PT-PT
PT LAT LCN 2 -10.701 -20.442	41.17765 -58.0	10.4 -8	0.6 32.0		0.846 -88.1 67. 0.877 -85.4 67.	7 38.3 32.2	28.6 0. 1- 2 26.4 2.65046 2- 3
3 -10.649 -20.514 4 -10.641 -20.390	39.85794 -59.3 41.57999 -63.0	9.8 -7 10.8 -7	9.7 31.9 9.3 31.4	0.79921 0 0.83353 0	0.877 -85.4 67. 0.839 -84.9 67.	7 40.7 28.9 8 36.1 33.1	26.4 2.65046 2- 3 31.2 3.69150 3- 4
5 -10.756 -20.365	42.73551 -56.9	11.1 -8	1.9 32.2	0.85691	C.816 -91.0 67.8	8 36.0 35.5	30.5 3.57300 4- 5
6 -10.760 -20.493 7 -10.649 -20.514	40.91722 -52.7 39.85794 -59.3	10.0 -8 9.8 -7	2.3 32.6 9.7 31.9	0.82024 ( C.79921 (	C.853 <u>-90.9 67.</u> 0.877 -85.4 67.	7 40.6 31.6	25.8 3.81514 5- 6 26.4 3.40787 6- 7
7 -10.047 -20.314	37.03174 -37.	7.0 -1					
JULY 31,1964 13 HR	25 MIN 34 SEC 7		TAB NO		ATLAS PHOTO NO		POD SEQUENCE NO 962
TRAJECTORY DATA		SEC	TO [MPACT 14.066	ALT 33.01996	LAT LCN -1C.412 -21.068	R 1768.475	V PTH AZ 5 2.595 -64.470 114.834
PHOTO DATA PT LAT LCN 2 -10.697 -20.450	RANGE AZS/O	. AZN AZ	SUN AZA	A •	B/A AZPHAZ INC	D PHAZ FMIS	ALPHA SCALE PT-PT
2 -10.697 -20.450	38.86814 -58.0	10.4 -8	0.6 32.0	C.78063	C.846 -88.1 67. O.877 -85.4 67.	7 38.3 32.2	28.6 0. 1-2
3 -10.64H -20.518 4 -10.641 -20.401	31.04210 -39.	9.8 -7 10.8 -7	9.7 31.9 9.3 31.4	0.75439	0.877 -85.4 67. 0.839 -84.9 67.	7 40.7 28.9	26.4 2.50167 2-3 31.1 3.48419 3-4
5 -10.749 -20.377	40.33864 -56.9	11.1 -8		C.80884 ·	0.816 -91.0 67.	8 36.0 35.4	30.5 3.37249 4- 5
6 -10.753 -20.498 7 -10.648 -20.518	38.62239 -52.7 37.62270 -59.	10.0 -8 9.8 -7	2.3 32.6 9.7 31.9	C.77424	0.853 -90.9 67. 0.877 -85.4 67.	7 40.6 31.6 7 40.7 28.9	25.8 3.60083 5- 6 26.4 3.21666 6- 7
1 101045 201310	31102210 371	, ,,,,					
JULY 31,1964 13 H	25 MIN 35 SEC 5	73 MS	TAB NO		ATLAS PHOTO NO		POD SEQUENCE NO 963
TRAJECTORY DATA		SEC	TO IPPACT 13.226	ALT 21.05310	LAT LON -10.425 -21.039	R 1766.50	V PTH AZ 8 2.596 -64.452 114.829
PHOTO DATA	DANCE ASSES						
PT LAT LCN 2 -10.693 -20.458	RANGE AZS/0 36.55757 -58.0 35.38640 -59.	. AZN AZ ) 10.4 -8	0.8 32.0	A+ 0.73422	B/A AZPHAZ INC 0.846 -88.1 67.	7 38.3 32.2	
3 -10.647 -20.522	35.38640 -59.		9.7 31.9		0.846 -88.1 67. 0.877 -85.4 67.		
4 -10.640 -20.412 5 -10.742 -20.390	36.91421 -63.0 37.93953 -56.9		9.3 31.4	0.74000 ·		8 36.1 33.1 8 36.0 35.4	30.5 3.17189 4- 5
6 -10.746 -20.503	36.32652 -52.	7 10.0 -8	2.3 32.6	C.72822	0.853 -90.9 67.	7 40.6 31.6	25.8 3.38645 5- 6
7 -10.647 -20.522	35.38640 -59.	9.8 -7	9.7 31.9	0.70955	0.877 -85.4 67.	7 40.7 28.9	26.4 3.02546 6- 7

			RA-VII CAMERA	1 P4			30
	25 HID 24 054		TAB NO	175	ATLAS PHOTO NO	175 POD	SEQUENCE NO 964
JULY 31,1964 13 HR TRAJECTORY DATA	25 MIN 36 SE		SEC TO IMPACT	AL T	LAT LCN		
			12.386	29.08543 -	LAT LCN -10.438 -21.011	1764.541 2.597	-64.434 114.823
PHOTO DATA PT LAT LCN 2 =10.689 -20.466 3 -10.646 -20.526	RANGE A	ZS/C AZN	AZ SUN AZ A	A+ 8	AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
2 -10.689 -20.466 3 -10.646 -20.526	34.24546 -5	58.0 10.4	-80.8 32.0 -79.7 31.9	0.68779 0.	847 -88.1 67.7	38.3 32.2 28.5	0. 1- 2 2.20399 2- 3
4 -10.0007 -20.425	34.31928 -0	03.U 1U.O	-14.2 31.3	0.69319 0.	.046 -84.4 61.8	30al 33aU 31al	3.06935 3-4
5 -10.735 -20.402 6 -10.738 -20.509	35.53951 -1 34.02909 -1	56.9 11.1 52.7 10.0	-81.9 32.2 -82.3 32.6	0.71262 C. 0.68216 C.	816 -91.0 67.8 853 -90.9 67.7	36.0 35.4 30.5 40.6 31.6 25.8	2.97117 4- 5 3.17199 5- 6
7 -10.646 -20.526	33.14859 -	59.3 9.8	-79.7 31.9	0.66468 0.	.85390.9 <u>67.7</u> .877 -85.4 67.7	40.7 28.9 26.4	2.83405 6- 7
JULY 31,1964 13 HR	25 MIN 37 SEC	C 253 MS	TAB NO	176	ATLAS PHOTO NO	176 POD	SEQUENCE NO 965
TRAJECTORY DATA			SEC TO IMPACT	ALT	LAT LON	R V	PTH AZ
PHOTO DATA			11.546	27.11722 -	·10.451 -2C.983	1762.573 2.598	-64.415 114.818
PT LAT LCN 2 -10-685 -20-474 3 -10-645 -20-530	RANGE A	ZS/C AZN	AZSUN AZA	A- E	3/A AZPHAZ INCO	PHAZ EMIS ALPHA	SCALE PT-PT
2 -10.685 -20.474	31.93212 -	58.0 10.4	-80.8 32%0 -79.7 31.9	C.64133 C.	3/A AZPHAZ INCD .847 -88.1 67.7 .877 -85.4 67.7	38.3 32.2 28.5	0. 1- 2 2.05494 2- 3 2.86179 3- 4
4 -10.639 -20.434	32.24316 -	53.0 10.8	-79.3 31.5 -81.9 32.2	C.64636 O.	.84C -84.9 67.7	36-1 33-0 31-1	2.86179 3-4
5 -10.728 -20.415 6 -10.731 -20.514	33.13828 -: 31.73044 -:	56.9 11.1 52.7 10.0	-81.9 32.2 -82.3 32.6	0.66447 0.	.816 -91.0 67.8 .853 -90.9 67.7	36.0 35.4 30.5 40.6 31.6 25.8	2.77037 4- 5 2.95743 5- 6
7 -10.645 -20.530	30.90957 -	59.3 9.8	-79.7 31.9	C.61978 O.	877 -85.4 67.7	40.7 28.9 26.4	2.64254 6- 7
			TAR NO	177	ATLAS PHOTO NO	177 POD :	SEQUENCE NO 966
JULY 31,1964 13 HR	25 MIN 38 SEC	L 93 MS				R V	
TRAJECTORY DATA			SEC TO IMPACT 10.706	ALT 25.14835 -	LAT LON -10.464 -20.955	1760.604 2.600	PTH AZ -64.397 114.813
PHOTO DATA PT LAT LON	RANGE A.	75/C A7N	AZSUN AZA	A• E	B/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
PHUTU DATA PT LAT LON 2 -10.681 -20.482 3 -10.644 -20.534	29.61742 -	58.0 10.4	-80.8 32.0	_ C.59484, O.	.847 <u>-88,1 67.7</u>	38.3 32.1 28.5	0. 1-2
3 -10.644 -20.534 4 -10.638 -20.445	28.66919 -	59.3 9.8	-79.7 31.9 -79.3 31.5	0.57486 0. 0.59950 0.	.877 -85.4 67.6	40.7 28.9 26.4 36.1 33.0 31.1	1.90592 2-3
5 -10.721 -20.427	30.73570 -	56.9 11.1	-79.3 31.5 -81.9 32.2	C.61629 C.	817 -91.0 67.8	36.0 35.4 30.4	2.65414 3-4 2.56946 4-5
6 -10:724 -20.519	29.43043 -	52.7 10.0	-82.3 32.6	C.58998 O.	854 -90.9 67.7	40.6 31.5 25.8	2.74278 5- 6
7 -10.644 -20.534	28.66919 -		-79.7 31.9				2.45102 6- 7
JULY 31,1964 13 HR	25 MIN 38 SEC	C 933 MS	TAB NO	178	ATLAS PHOTO NO	178 POD	SEQUENCE NO 967
TRAJECTORY DATA			SEC TO IMPACT	ALT	LAT LON -10.476 -20.926	R V	PTH AZ
PHOTO DATA							
PT LAT LBN 2 -10.677 -20.491	RANGE A.	ZS/C AZN	AZSUN AZA	A* E	3/A AZPHAZ INCD	PHAZ EMIS ALPHA	SCALE PT-PT
3 -10.643 -20.538	26.42767 -	50.0 10.4	70.7 32.0	0.54633 0.	.841 -88.1 61.1	30.3 32.1 28.5	0. 1-2
4 -10.638 -20.456				C.52991 O.	.877 -85.4 67.6	40.7 28.9 26.4	1-75680 2- 3
	27.56709 -	63.0 10.8	-79.7 31.9 -79.3 31.5	C.55262 O.	.84C -84.9 67.7	36.1 33.0 31.1	1-75680 2- 3 2-44643 3- 4
5 -10.714 -20.440 6 -10.717 -20.524	27.56709 -6 28.33197 -9	56.9 11.1	-81.9 32.2	C.55262 O.	.84C -84.9 67.7 .817 -91.0 67.7	36.1 33.0 31.1 36.0 35.4 30.4	1:75680 2- 3 2:44643 3- 4 2:36835 4- 5
6 -10.717 -20.524 7 -10.643 -20.538	27.56709 -6 28.33197 -9	56.9 11.1	-81.9 32.2	C.55262 O.	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7	36.1 33.0 31.1 36.0 35.4 30.4	1-75680 2- 3 2-44643 3- 4
6 -10.717 -20.524 7 -10.643 -20.538	27.56709	56.9 11.1 52.7 10.0 59.3 9.8	-81.9 32.2	C.55262 O. C.56810 O. C.54385 C. C.52991 O.	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4	1=75680 2- 3 2-44643 3- 4 2-36835 4- 5 2-52809 5- 6
6 -10.717 -20.524 7 -10.643 -20.538 JULY 31,1964 13 HR	27.56709	56.9 11.1 52.7 10.0 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO	C.55262 0. C.56810 0. <u>G.54385 C.</u> C.52991 0.	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD	1.75680 2- 3 2.44643 3- 4 2.36835 4- 5 2.52809 5- 6 2.25930 6- 7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -20.538 JULY 31,1964 13 HR TRAJECTURY DATA	27.56709	56.9 11.1 52.7 10.0 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO	C.55262 0. C.56810 0. C.54385 C. C.52991 0.	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6	36.1 33.0 31.1 36.0 35.4 30.4 .40.6 31.5 25.8 40.7 28.9 26.4 179 POD:	1.75680 2- 3 2.44643 3- 4 2.36835 4- 5 2.52809 5- 6 2.25930 6- 7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -70.538 JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA	27.56709	56.9 11.1 52.7 1000 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO	C.55262 0. C.56810 0. - G.554385 G. C.52991 0. 179	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:	1.75680 2-3 2.44643 3-4 2.36835 4-5 2.252809 5-6 2.252809 6-7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -70.538 JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA	27.56709	56.9 11.1 52.7 1000 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO	C.55262 0. C.56810 0. - G.554385 G. C.52991 0. 179	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:	1.75680 2-3 2.44643 3-4 2.36835 4-5 2.252809 5-6 2.252809 6-7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -70.538 JULY 31,1964 13 HR TRAJECTORY DATA PHOTC DATA	27.56709	56.9 11.1 52.7 1000 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO	C.55262 0. C.56810 0. - G.554385 G. C.52991 0. 179	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:	1.75680 2-3 2.44643 3-4 2.36835 4-5 2.252809 5-6 2.252809 6-7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -70.538 JULY 31,1964 13 HR TRAJECTORY DATA PHOTE DATA	27.56709	56.9 11.1 52.7 1000 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO	C.55262 0. C.56810 0. - G.554385 G. C.52991 0. 179	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:	1.75680 2-3 2.44643 3-4 2.36835 4-5 2.252809 5-6 2.252809 6-7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -70.538 JULY 31,1964 13 HR TRAJECTORY DATA PHOTE DATA	27.56709	56.9 11.1 52.7 1000 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO	C.55262 0. C.56810 0. - G.554385 G. C.52991 0. 179	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:	1.75680 2-3 2.44643 3-4 2.36835 4-5 2.252809 5-6 2.252809 6-7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -70.538 JULY 31,1964 13 HR TRAJECTORY DATA PHOTE DATA	27.56709	56.9 11.1 52.7 1000 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 9.026 AZSUN AZA -60.8 32.0 -79.7 31.9 -61.9 32.2 -82.3 32.6 -79.7 31.9	C.55262 O. C.56810 O. C.52991 O. 179  ALT 21.20894 - A. C.50179 O. C.48494 O. O.50571 O. C.49769 C. C.49769 C.	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO LAT LON -1C.489 -20.898	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:	1.75680 2-3 2.44643 3-4 2.36835 4-5 2.252809 5-6 2.252809 6-7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -20.538  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LCN 2 -10.674 -20.499 3 -10.642 -20.542 4 -10.637 -20.457 5 -10.707 -20.452 6 -10.709 -20.530 7 -10.642 -20.542	27.166709	56.9 11.1 52.7 10.0 59.3 9.8 C 773 MS ZS/C AZN 58.0 10.4 59.3 9.8 63.0 10.8 56.9 11.0 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 9.026 AZSUN AZA -60.8 32.0 -79.7 31.9 -79.3 31.5 -61.9 32.2 -82.3 32.6 -79.7 31.9 TAR NO	C.55262 O. C.56810 O. C.552991 O. 179  ALT 21.20894 - A. (C.50179 O. C.48494 O. C.50571 O. C.49769 C. C.49769 C. C.49769 C.	.84C -84.9 67.7 .817 -91.0 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO LAT LON -1C.489 -2C.898 B/A AZPHAZ INCO .847 -88.1 67.7 .877 -85.4 67.6 .816 -84.9 67.7 .817 -91.0 67.7 .877 -85.4 67.6	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:  R V 1756.664 2.602 PHAZ EMIS ALPHA 38.3 32.1 28.5 40.7 28.9 26.4 40.6 31.5 25.8 40.7 28.9 26.4 40.6 31.5 25.8 40.7 28.9 26.4	1.75680 2-3 2.44643 3-4 2.36835 4-5 2.252809 5-6 2.252809 6-7 SEQUENCE NO 968
6 -10.717 -20.524 7 -10.643 -70.538 JULY 31,1964 13 HR TRAJECTORY DATA PHOTE DATA	27.166709	56.9 11.1 52.7 10.0 59.3 9.8 C 773 MS ZS/C AZN 58.0 10.4 59.3 9.8 63.0 10.8 56.9 11.0 59.3 9.8	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 9.026 AZSUN AZA -60.8 32.0 -79.7 31.9 -79.3 31.5 -61.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO	C.55262 O. C.56810 O. C.552991 O. 179  ALT 21.20894 - A. (C.50179 O. C.48494 O. C.50571 O. C.49769 C. C.48494 O.	.84C -84.9 67.7 .854 -90.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO LAT LON -1C.489 -2C.898 B/A AZPHAZ INCO .847 -88.1 67.7 .877 -85.4 67.6 .84C -84.9 67.7 .817 -91.0 67.7 .877 -85.4 67.6 ATLAS PHOTO NO	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:  R V 1756.664 2.602 PHAZ EMIS ALPHA 38.3 32.1 28.5 40.7 28.9 26.4 40.6 31.5 25.8 40.7 28.9 26.4 180 POD	1.75680 2-3 2.44642 3-4 2.36835 4-5 2.252809 5-6 2.252930 6-7  SEQUENCE NO 968  PTH AZ 2-64.360 114.802  SCALE PT-PT 0. 1-2 1.60763 2-3 2.23862 3-4 2.16734 4-5 2.31330 5-6 2.36758 6-7  SEQUENCE NO 969
6 -10.717 -20.524 7 -10.643 -20.538  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTE DATA PT LAT LCN 2 -10.674 -20.499 3 -10.642 -20.542 4 -10.637 -20.467 5 -10.707 -20.452 6 -10.709 -20.530 7 -10.642 -20.542  JULY 31,1964 13 HR  TRAJECTORY DATA	27.56709	56.9 11.1 52.7 10.0 59.3 9.8 C 773 MS ZS/C AZN 58.0 10.4 59.3 9.8 663.0 10.8 56.9 11.0 59.3 9.8 C 613 MS	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO  SEC TO IMPACT 9.026  AZSUN AZA -60.8 32.0 -79.7 31.9 -79.3 31.5 -61.9 32.2 -82.3 32.6 -79.7 31.9  TAB NO  SEC TO IMPACT 8.186	C.55262 O. C.56810 O. C.52991 O. 179  ALT 21.20894  A. 6 C.50179 O. C.48494 O. D.50571 O. C.49769 C. C.49769 C. C.49769 O. ALT 19.23828	184C -84.9 67.7 1817 -91.0 67.7 1854 -90.9 67.7 1877 -85.4 67.6  ATLAS PHOTO NO  LAT LON -10.489 -20.898 1847 -88.1 67.7 1877 -85.4 67.6 184C -84.9 67.7 1877 -85.4 67.6 1854 -96.9 67.7 1877 -85.4 67.6  ATLAS PHOTO NO  LAT LON LAT LON LAT LON LAT LON LAT LON LAT LON -10.502 -20.869	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD 3	1.75680 2-3 2.44642 3-4 2.36835 4-5 2.52809 5-6 2.25930 6-7  SEQUENCE NO 968  PTH AZ 2-64.360 114.802  SCALE PT-PT 0. 1-2 1.60763 2-3 2.23862 3-4 2.16734 4-5 2.31330 5-6 2.06758 6-7  SEQUENCE NO 969
6 -10.717 -20.524 7 -10.643 -20.538  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTE DATA PT LAT LCN 2 -10.674 -20.499 3 -10.642 -20.542 4 -10.637 -20.467 5 -10.707 -20.452 6 -10.709 -20.530 7 -10.642 -20.542  JULY 31,1964 13 HR  TRAJECTORY DATA	27.56709	56.9 11.1 52.7 10.0 59.3 9.8 C 773 MS ZS/C AZN 58.0 10.4 59.3 9.8 663.0 10.8 56.9 11.0 59.3 9.8 C 613 MS	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO  SEC TO IMPACT 9.026  AZSUN AZA -60.8 32.0 -79.7 31.9 -79.3 31.5 -61.9 32.2 -82.3 32.6 -79.7 31.9  TAB NO  SEC TO IMPACT 8.186	C.55262 O. C.56810 O. C.52991 O. 179  ALT 21.20894  A. 6 C.50179 O. C.48494 O. D.50571 O. C.49769 C. C.49769 C. C.49769 O. ALT 19.23828	184C -84.9 67.7 1817 -91.0 67.7 1854 -90.9 67.7 1877 -85.4 67.6  ATLAS PHOTO NO  LAT LON -10.489 -20.898 1847 -88.1 67.7 1877 -85.4 67.6 184C -84.9 67.7 1877 -85.4 67.6 1854 -96.9 67.7 1877 -85.4 67.6  ATLAS PHOTO NO  LAT LON LAT LON LAT LON LAT LON LAT LON LAT LON -10.502 -20.869	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD 3	1.75680 2-3 2.44642 3-4 2.36835 4-5 2.52809 5-6 2.25930 6-7  SEQUENCE NO 968  PTH AZ 2-64.360 114.802  SCALE PT-PT 0. 1-2 1.60763 2-3 2.23862 3-4 2.16734 4-5 2.31330 5-6 2.06758 6-7  SEQUENCE NO 969
6 -10.717 -20.524 7 -10.643 -20.538  JULY 31,1964 13 HR  TRAJECTURY DATA  PHOTE DATA PT LAT LCN 2 -10.674 -20.499 3 -10.642 -20.542 4 -10.637 -20.467 5 -10.707 -20.452 6 -10.709 -20.530 7 -10.642 -20.542  JULY 31,1964 13 HR  TRAJECTORY DATA	27.56709	56.9 11.1 52.7 10.0 59.3 9.8 C 773 MS ZS/C AZN 58.0 10.4 59.3 9.8 663.0 10.8 56.9 11.0 59.3 9.8 C 613 MS	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO  SEC TO IMPACT 9.026  AZSUN AZA -60.8 32.0 -79.7 31.9 -79.3 31.5 -61.9 32.2 -82.3 32.6 -79.7 31.9  TAB NO  SEC TO IMPACT 8.186	C.55262 O. C.56810 O. C.52991 O. 179  ALT 21.20894  A. 6 C.50179 O. C.48494 O. D.50571 O. C.49769 C. C.49769 C. C.49769 O. ALT 19.23828	184C -84.9 67.7 1817 -91.0 67.7 1854 -90.9 67.7 1877 -85.4 67.6  ATLAS PHOTO NO  LAT LON -10.489 -20.898 1847 -88.1 67.7 1877 -85.4 67.6 184C -84.9 67.7 1877 -85.4 67.6 1854 -96.9 67.7 1877 -85.4 67.6  ATLAS PHOTO NO  LAT LON LAT LON LAT LON LAT LON LAT LON LAT LON -10.502 -20.869	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD 3	1.75680 2-3 2.44642 3-4 2.36835 4-5 2.52809 5-6 2.25930 6-7  SEQUENCE NO 968  PTH AZ 2-64.360 114.802  SCALE PT-PT 0. 1-2 1.60763 2-3 2.23862 3-4 2.16734 4-5 2.31330 5-6 2.06758 6-7  SEQUENCE NO 969
6 -10.717 -20.524 7 -10.643 -20.538  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LON 2 -10.674 -20.499 3 -10.642 -20.542 4 -10.637 -20.467 5 -10.707 -20.452 6 -10.707 -20.530 7 -10.642 -20.542  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LON 2 -10.670 -20.507 3 -10.641 -20.547 4 -10.637 -20.479	27.56709 28.33197 27.12925 26.42767 25 MIN 39 SEI  RANGE A 24.98434 24.18477 25.92712 24.82670 24.8477 25.92691 24.8477 25.92691 24.86576 21.96055 21.96055 21.96055 21.96055	56.9 11.1 52.7 10.0 59.3 9.8 C 773 MS C 773 MS ZS/C AZN 68.0 10.4 63.0 10.8 63.0 10.8 63.0 10.8 63.0 10.8 C 613 MS C 613 MS	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 9.026 AZSUN AZA -60.8 32.0 -79.7 31.9 -79.3 31.5 -61.9 32.2 -62.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 8.186 AZSUN AZA -80.8 32.0 -79.7 31.9	C.55262 O. C.56810 O. C.562991 O. 179  ALT 21.20894 - A. E. C.50179 O. C.48494 O. C.50571 O. C.48494 O. D.51987 C. C.49769 C. C.48494 O. 180  ALT 19.23828 - C.45522 O. C.43994 O. C.43994 O. C.45978 C.	84C -84.9 67.7 817 -91.0 67.7 854 -90.9 67.7 877 -85.4 67.6  ATLAS PHOTO NO  LAT LON 1C.489 -20.898 8/A AZPHAZ INCO .847 -88.1 67.7 .877 -85.4 67.6 .84C -84.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO  LAT LCN 10.502 -20.869  8/A AZPHAZ INCO .847 -88.1 67.7 .877 -85.4 67.6 .840 -84.9 67.7 .877 -85.4 67.6 .841 LCN 10.502 -20.869  8/A AZPHAZ INCO .847 -88.1 67.7 .877 -85.4 67.6 .847 -88.1 67.7 .877 -85.4 67.6	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:  R V 1756.664 2.602 PHAZ EMIS ALPHA 38.3 32.1 28.5 40.7 28.9 26.4 40.6 31.5 25.8 40.7 28.9 26.4 180 POD  R V 1754.694 2.603 PAZ EMIS ALPHA 38.3 32.1 28.5 40.7 28.9 26.4 180 POD	1.75680 2-3 2.44642 3-4 2.36835 4-5 2.52809 5-6 2.25930 6-7  SEQUENCE NO 968  PTH AZ 2-64.360 114.802  SCALE PT-PT 0. 1-2 1.60763 2-3 2.23862 3-4 2.16734 4-5 2.31330 5-6 2.06758 6-7  SEQUENCE NO 969
6 -10.717 -20.524 7 -10.643 -20.538  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PI LAT LCN 2 -10.674 -20.542 4 -10.637 -20.467 5 -10.707 -20.452 6 -10.709 -20.530 7 -10.642 -20.542  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -10.670 -20.507 3 -10.641 -20.547 4 -10.637 -20.457 5 -10.7700 -20.6557 5 -10.7700 -20.6557	27.56709	56.9 11.1 52.7 10.0 59.3 9.8 C 773 MS C 773 MS ZS/C AZN 68.0 10.4 63.0 10.8 63.0 10.8 63.0 10.8 63.0 10.8 C 613 MS C 613 MS	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 9.026 AZSUN AZA -60.8 32.0 -79.7 31.9 -79.3 31.5 -61.9 32.2 -62.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 8.186 AZSUN AZA -80.8 32.0 -79.7 31.9	C.55262 O. C.56810 O. C.562991 O. 179  ALT 21.20894 - A. E. C.50179 O. C.48494 O. C.50571 O. C.48494 O. D.51987 C. C.49769 C. C.48494 O. 180  ALT 19.23828 - C.45522 O. C.43994 O. C.43994 O. C.45978 C.	84C -84.9 67.7 817 -91.0 67.7 854 -90.9 67.7 877 -85.4 67.6  ATLAS PHOTO NO  LAT LON 1C.489 -20.898 8/A AZPHAZ INCO .847 -88.1 67.7 .877 -85.4 67.6 .84C -84.9 67.7 .877 -85.4 67.6 ATLAS PHOTO NO  LAT LCN 10.502 -20.869  8/A AZPHAZ INCO .847 -88.1 67.7 .877 -85.4 67.6 .840 -84.9 67.7 .877 -85.4 67.6 .841 LCN 10.502 -20.869  8/A AZPHAZ INCO .847 -88.1 67.7 .877 -85.4 67.6 .847 -88.1 67.7 .877 -85.4 67.6	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:  R V 1756.664 2.602 PHAZ EMIS ALPHA 38.3 32.1 28.5 40.7 28.9 26.4 40.6 31.5 25.8 40.7 28.9 26.4 180 POD  R V 1754.694 2.603 PAZ EMIS ALPHA 38.3 32.1 28.5 40.7 28.9 26.4 180 POD	1.75680 2-3 2.44642 3-4 2.36835 4-5 2.52809 5-6 2.25230 6-7  SEQUENCE NO 968  PTH AZ 2-64.360 114.802  SCALE PT-PT 0. 1-2 1.60763 2-3 2.16734 4-5 2.16734 4-5 2.31330 5-6 2.06758 6-7  SEQUENCE NO 969  PTH AZ 3-64.342 114.796  SCALE PT-PT 0. 1-2 1.45837 2-3 2.03072 3-4 1.95602 4-5
6 -10.717 -20.524 7 -10.643 -20.538  JULY 31,1964 13 HR  TRAJECTORY DATA  PHOTC DATA PT LAT LCN 2 -10.674 -20.499 3 -10.642 -20.542 4 -10.637 -20.467 5 -10.707 -20.452 6 -10.707 -20.530 7 -10.642 -20.542  JULY 31,1964 13 HR  TRAJECTORY DATA PHOTO DATA PT LAT LCN 2 -10.670 -20.507 3 -10.641 -20.547 4 -10.637 -20.479	27.56709	56.9 11.1 52.7 10.0 59.3 9.8 C 773 MS C 773 MS ZS/C AZN 68.0 10.4 63.0 10.8 63.0 10.8 63.0 10.8 63.0 10.8 C 613 MS C 613 MS	-81.9 32.2 -82.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 9.026 AZSUN AZA -60.8 32.0 -79.7 31.9 -79.3 31.5 -61.9 32.2 -62.3 32.6 -79.7 31.9 TAB NO SEC TO IMPACT 8.186 AZSUN AZA -80.8 32.0 -79.7 31.9	C.55262 O. C.56810 O. C.562991 O. 179  ALT 21.20894 - A. E. C.50179 O. C.48494 O. C.50571 O. C.48494 O. D.51987 C. C.49769 C. C.48494 O. 180  ALT 19.23828 - C.45522 O. C.43994 O. C.43994 O. C.45978 C.	184C -84.9 67.7 1817 -91.0 67.7 1854 -90.9 67.7 1877 -85.4 67.6  ATLAS PHOTO NO  LAT LON -10.489 -20.898 1847 -88.1 67.7 1877 -85.4 67.6 184C -84.9 67.7 1877 -85.4 67.6 1854 -96.9 67.7 1877 -85.4 67.6  ATLAS PHOTO NO  LAT LON LAT LON LAT LON LAT LON LAT LON LAT LON -10.502 -20.869	36.1 33.0 31.1 36.0 35.4 30.4 40.6 31.5 25.8 40.7 28.9 26.4 179 POD:  R V 1756.664 2.602 PHAZ EMIS ALPHA 38.3 32.1 28.5 40.7 28.9 26.4 40.6 31.5 25.8 40.7 28.9 26.4 180 POD  R V 1754.694 2.603 PAZ EMIS ALPHA 38.3 32.1 28.5 40.7 28.9 26.4 180 POD	1.75680 2-3 2.44643 3-4 2.36835 4-5 2.252809 5-6 2.252809 6-7 SEQUENCE NO 968  PTH AZ 2.64,360 114,802 SCALE PT-PT 0. 1-2 1.60763 2-3 2.23862 3-4 2.16734 4-5 2.31330 5-6 2.06758 6-7 SEQUENCE NO 969  PTH AZ 1-64,342 114,796  SCALE PT-PT 0. 1-2 1.45837 2-3 2.03072 3-4

	RA-VII CAMERA	P4 31
JULY 31,1964 13 HR 25 MIN 41 SEC 453 MS	TAB NO	181 ATLAS PHOTO NO 181 POD SEQUENCE NO 970
TRAJECTURY NATA	SEC TO IMPACT	ALT LAT LGN R V PTH AZ 17.26703 -10.515 -20.841 1752.722 2.604 -64.324 114.791
PHOTO DATA	7.347	
PT LAT LCN RANGE AZS/C AZN 2 -10.666 -20.515 20.34593 -58.0 10.4		A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.40863 0.847 -88-1 67.7 38.3 32.1 28.5 0. 1- 2
3 -10.640 -20.551 19.69508 -59.2 9.8	-79.7 31.9	0.39492 0.877 -85.4 67.6 40.7 28.9 26.4 1.30905 2- 3
4 -10.636 -20.490 20.54333 -63.0 10.8	-79.3 31.5	C.41182 C.84C -84.9 67.7 36.1 33.0 31.1 1.82275 3-4
5 -10.693 -20.477 21.11289 -56.9 11.0 6 -10.695 -20.540 20.21765 -52.7 10.0		C.42334 0.617 -91.0 67.7 36.0 35.3 30.4 1.76491 4-5 C.40529 0.854 -90.9 67.6 40.6 31.5 25.7 1.88348 5-6
7 -10.640 -20.551 19.69508 -59.2 9.8		C.39492 O.877 -85.4 67.6 4C.7 28.9 26.4 1.68362 6- 7
JULY 31,1964 13 HR 25 MIN 42 SEC 293 MS	TAB NO	182 ATLAS PHOTO NO 182 POD SEQUENCE NO 971
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LCN R V PYHAZ. 15.29521 -10.528 -20.812 1750.751 2.606 -64.305 114.785
PHOTO DATÁ	6.507	15.29521 -10.528 -20.812 1/50.751 2.806 -84.305 114.785
PT LAT LON HANGE AZS/C AZN		A. B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT
2 -10.662 -20.523 18.02484 -57.9 10.4		C.362C1 0.847 -68.1 67.7 38.3 32.1 28.5 0. 1-2
3 -10.639 -20.555 17.44837 -59.2 9.8 4 -10.635 -20.501 18.19959 -63.0 10.8		C.34986 C.877 -85.4 G7.6 4C.7 28.9 26.4 1.15958 2-3 C.36484 C.84C -84.9 67.7 36.1 33.0 31.0 1.61469 3-4
5 -10.686 -20.490 18.70463 -56.9 11.0		0.37504 0.817 -91.0 67.7 36.0 35.3 30.4 1.56349 4-5
6 -10.687 -20.546 17.91124 -52.7 10.0	-82.3 32.6	C.359C6 G.854 -9C.9 67.6 4C.6 31.5 25.7 1.66844 5- 6
7 -10.639 -20.555 17.44#37 -59.2 9.8	-79.7 31.9	0.34986 0.877 -85.4 67.6 40.7 28.9 26.4 1.49149 6- 7
	TAB NO	183 ATLAS PHOTO NO 183 POD SEQUENCE NO 972
JULY 31,1964 13 HR 25 MIN 43 SEC 133 MS	*****	•
TRAJECTORY DATA	SEC TO IMPACT	ALT LAT LON R V PTH AZ
	5.667	13.32274 -10.541 -20.783 1748.778 2.607 -64.287 114.780
PHOTO DATA		The second than the second that the second the second than the
PT LAT LON RANGE AZS/C AZN 2 -10.658 -20.532 15.70236 -57.9 10.4		A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C-31537 0-847 -88-1 67-7 38-3 32-1 28-5 012
3 -10.638 -20.559 15.20027 -59.2 9.8		C.30479 C.877 -85.4 67.6 40.7 28.9 26.4 1.01018 2-3
4 -10.635 -20.512 15.85448 -62.9 10.8		C.31/83 C.64C -84.9 67.7 36.1 33.0 31.0 1.40654 3- 4
5 -10.679 -20.502 16.29379 -56.9 11.0	-81.9 32.2	C.32671 C.817 -91.0 67.7 36.0 35.3 30.4 1.36198 4-5
6 -10.680 -20.551 15.60343 -52.7 10.0 7 -10.638 -20.559 15.20027 -59.2 9.8		0.31279 C.854 -90.9 67.6 40.6 31.5 25.7 1.45332 5-6 C.30479 C.877 -85.4 67.6 40.7 28.9 26.4 1.29935 6-7
	-1701 3107	C.30479 C.877 -85.4 67.6 40.7 28.9 26.4 1.29935 6- 7
	TAB NO	
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS		
	TAB NO	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS	TAB NO	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS TRAJECTORY WATA PHOTO DATA	TAB NO SEC TO IMPACT 4.827	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 11.34582 -10.554 -20.755 1746.805 2.608 -64.268 114.774
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZN 2 -10.653 -20.540 13.37876 -57.9 10.4	TAB NO SEC TO IMPACT 4.827 AZSUN AZA -80.6 32.1	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 11.34582 -10.554 -2C.755 1746.805 2.608 -64.268 114.774  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.226370 0.842 -881.1 67.6 38.3 32.1 28.5 0. 1-2
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY WATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.657 -20.540 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.6	TAB NO SEC 10 IMPACT 4.827 AZSUN AZA -80.6 32.1 -79.7 31.9	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 11.34582 -10.554 -2C.755 1746.805 2.608 -64.268 114.774  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.226370 0.842 -881.1 67.6 38.3 32.1 28.5 0. 1-2
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZM 2 -10.653 -20.540 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.8 4 -10.634 -20.523 13.950827 -62.9 10.8	TAB NO SEC TO IMPACT 4.827 AZSUN AZA -80.6 32.1 -79.7 31.9 -79.2 31.6	ALT LAT LCN R V PTH AZ 11.34582 -10.554 -20.755 1746.805 2.608 -64.268 114.774  A BJA ALPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.26870 0.847 -88.1 67.6 38.3 32.1 28.5 0. 1-2 C.25949 0.817 -85.4 67.6 40.7 28.9 26.3 0.8062 2-3 C.27079 0.840 -84.9 67.7 36.1 33.0 31.0 18.0 1.19829 3-4
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY WATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.653 -20.560 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.4 4 -10.634 -20.523 13.50827 -62.9 10.8 5 -10.671 -26.515 13.88247 -56.9 11.6	TAB NO SEC TO IMPACT 4.827  AZSUN AZA -80.6 32.1 -79.7 31.9 -79.2 31.6 -81.9 32.2	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 11.34582 -10.554 -2C.7555 1740.805 2.608 -64.268 114.774  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.26870 0.847 -88.1 67.6 38.3 32.1 28.5 0. 1 - 2 C.25969 0.817 -88.4 67.6 4C.7 28.9 26.3 0.86062 2-3 C.27079 0.846 -84.9 67.7 36.1 33.0 31.0 1.19829 3-4 C.27836 0.8810 -91.0 67.7 36.0 35.3 30.3 1.16037 4-5
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZM 2 -10.653 -20.540 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.8 4 -10.634 -20.523 13.950827 -62.9 10.8	TAB NO SEC TO IMPACT 4.827 AZSUN AZA -80.6 32.1 -79.7 31.9 -79.2 31.6 -81.9 32.2 -82.3 32.6	ALT LAT LCN R V PTH AZ 11.34582 -10.554 -20.755 1746.805 2.608 -64.268 114.774  A BJA ALPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.26870 0.847 -88.1 67.6 38.3 32.1 28.5 0. 1-2 C.25949 0.817 -85.4 67.6 40.7 28.9 26.3 0.8062 2-3 C.27079 0.840 -84.9 67.7 36.1 33.0 31.0 18.0 1.19829 3-4
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY HATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.653 -20.540 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.6 4 -10.634 -20.523 13.50827 -62.9 10.6 5 -10.671 -26.515 13.88247 -56.9 11.0 6 -10.673 -20.557 13.29451 -52.7 10.6	TAB NO SEC TO IMPACT 4.827  AZSUN AZA 80.6 32.1 -79.7 31.9 -79.2 31.6 -81.9 32.2 -82.3 32.6 -79.7 31.9	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 11.34582 -10.554 -2C.755 1746.805 2.608 -64.268 114.774  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.26870 0.847 -88.1 67.6 38.3 32.1 28.5 0. 1-2 C.25969 0.877 -85.4 67.6 4C.7 28.9 26.3 0.88062 2-3 C.27079 0.84C -84.9 67.7 36.1 33.0 31.0 1.19829 3-4 C.27836 0.8818 -91.0 67.7 36.0 35.3 30.3 1.16037 4-5 C.26651 0.854 -90.9 67.6 40.6 31.5 25.7 1.23814 5-6 C.25969 0.877 -85.4 67.6 40.7 28.9 26.3 1.10710 6-7
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY HATA  PHOTO DATA  PT LAT LON RANGE AZS/C AZN 2 -10.653 -20.540 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.6 4 -10.634 -20.523 13.50827 -62.9 10.6 5 -10.671 -26.515 13.88247 -56.9 11.0 6 -10.673 -20.557 13.29451 -52.7 10.6	TAB NO SEC TO IMPACT 4.827 AZSUN AZA -80.6 32.1 -79.7 31.9 -79.2 31.6 -81.9 32.2 -82.3 32.6	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 11.34582 -10.554 -2C.755 1746.805 2.608 -64.268 114.774  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.26870 0.847 -88.1 67.6 38.3 32.1 28.5 0. 1-2 C.25969 0.877 -85.4 67.6 4C.7 28.9 26.3 0.8062 2-3 C.27079 0.84C -84.9 67.7 36.1 33.0 31.0 1.19829 3-4 C.27836 0.818 -91.0 67.7 36.0 35.3 30.3 1.16037 4-5 C.2651 0.854 -90.9 67.6 40.6 31.5 25.7 1.22814 5-6 C.25969 0.877 -85.4 67.6 4C.7 28.9 26.3 1.10710 6-7
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JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY DATA  PHOTO DATA PT LAT LON RANGE AZS/C AZM 2 -10.653 -20.560 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.8 4 -10.634 -20.523 13.50827 -62.9 10.8 5 -10.671 -26.515 13.88247 -56.9 11.0 6 -10.673 -20.557 13.29451 -52.7 10.6 7 -10.637 -20.563 12.95107 -59.2 9.8  JULY 31,1964 13 HR 25 MIN 44 SEC 813 MS  TRAJECTURY DATA PT LAT LCN RANGE AZS/C AZM 2 -10.649 -20.548 11.05351 -57.9 10.4 3 -10.636 -20.568 10.7024 -59.2 9.8 4 -10.336 -20.594 11.10644 -62.9 10.8 5 -10.664 -20.58 11.05351 -57.9 10.4 6 -10.665 -70.562 10.98392 -52.7 10.0 6 -10.665 -70.562 10.76024 -59.2 9.8  JULY 31,1964 13 HR 25 MIN 45 SEC 653 MS  TRAJECTURY DATA PHOTO DATA PT LAT LCN RANGE AZS/C AZM 2 -10.645 -20.566 10.76024 -59.2 9.8	TAB NO  SEC 10 IMPACT 4.827  AZSUN AZA -80.6 32.1 -79.7 31.9 -79.2 31.6 -79.7 31.9  TAB NO  SEC 10 IMPACT 3.947  AZSUN AZA -80.8 32.1 -79.7 31.9  TAB NO  SEC 10 IMPACT 3.147  TAB NO  SEC 10 IMPACT 3.147	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 11.34982 -10.554 -2C.755 1746.805 2.008 -64.268 114.774  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.26870 0.847 -88.1 67.6 38.3 32.1 28.5 0. 1-2 C.25949 0.847 -88.1 67.6 40.7 28.9 26.3 0.86062 2-3 C.27079 0.846 -84.9 67.7 36.0 35.3 30.3 1.06037 4-5 C.26651 0.854 -90.9 67.6 40.6 31.5 25.7 1.22814 5-6 C.25651 0.854 -90.9 67.6 40.6 31.5 25.7 1.22814 5-6 C.25949 0.877 -85.4 67.6 40.7 28.9 26.3 1.10710 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LON R V PTH AZ 9.37607 -10.568 -2C.726 1744.831 2.609 -64.250 114.769  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.222C0 C.847 -85.1 67.6 40.7 28.9 26.3 0.71099 2-3 0.22373 0.841 +44.9 67.6 36.1 32.9 31.0 0.98996 3-4 0.22373 0.841 +44.9 67.6 36.1 32.9 31.0 0.98996 3-4 0.22279 C.854 -91.0 67.7 36.0 35.3 30.3 0.95865 4-5 C.22019 C.854 -90.9 67.6 40.6 31.5 25.7 1.02285 5-6 C.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.71099 2-3 0.22456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7  186 ATLAS PHOTO NO 186 POD SEQUENCE NO 975
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY DATA  PHOTO DATA PT LAT CON RANGE AZS/C AZM 2 -10.653 -20.540 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.8 4 -10.634 -20.523 13.50H27 -52.9 10.8 5 -10.671 -26.515 13.88247 -56.9 11.6 6 -10.673 -20.557 13.29451 -52.7 10.6 7 -10.637 -20.553 12.95107 -59.2 9.8 JULY 31,1964 13 HR 25 MIN 44 SEC 813 MS  TRAJECTURY DATA PT LAT CON RANGE AZS/C AZM 2 -10.636 -20.568 10.77024 -59.2 9.8 4 -10.633 -20.548 11.6943 -52.9 10.8 5 -10.664 -20.528 11.6949 -56.9 11.6 6 -10.665 -20.568 11.6949 -56.9 11.6 7 -10.636 -20.568 11.6949 -52.7 10.6 7 -10.636 -20.568 10.77024 -59.2 9.8 JULY 31,1964 13 HR 25 MIN 45 SEC 653 MS  TRAJECTORY DATA PHOTO DATA	TAB NO  SEC 10 IMPACT 4.827  AZSUN AZA -80.6 32.1 -79.7 31.9 -79.2 31.6 -81.9 32.2 -82.3 32.6 -79.7 31.9  TAB NO  SEC TU IMPACT 3.987  ( AZSUN AZA -80.8 32.1 -79.7 31.9  TAB NO  SEC TO IMPACT 3.147  TAB NO  SEC TO IMPACT 3.147  AZSUN AZA -80.8 32.1 -79.7 31.9  TAB NO	ALT LAT LON 67.7 36.1 33.0 31.0 1.19829 3-4 C.22836 0.887 -88.1 67.6 38.3 32.1 28.5 C.25059 0.877 -85.4 67.6 4C.7 28.9 26.3 ALT LAT LON 78.4 67.6 36.3 32.3 2.6.3 ALT LAT LON 78.4 67.6 36.3 32.1 28.5 C.27079 0.840 -84.9 67.7 36.1 33.0 31.0 1.19829 3-4 C.27836 0.884 -90.9 67.6 40.6 31.5 25.7 1.23814 5-6 C.25651 0.854 -90.9 67.6 40.6 31.5 25.7 1.23814 5-6 C.25652 0.877 -85.4 67.6 40.7 28.9 26.3 C.27079 0.870 -870 -870 -870 -870 -870 -870 -870 -
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY DATA  PHOTO DATA PT LAT	TAB NO  SEC 10 IMPACT 4.827  AZSUN AZA -80.6 32.1 -79.7 31.9 -79.2 31.6 -81.9 32.2 -82.3 32.6 -79.7 31.9  TAB NO  SEC 10 IMPACT 3.147  TAB NO	ALT LAT LCN R. V PTH AZ C.2698 0.847 -88.1 67.6 38.3 32.1 28.5 0. 1.1989 3-4 C.22509 0.877 -85.4 67.6 40.7 28.9 26.3 0.110710 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 973  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.26870 0.847 -85.4 67.6 40.7 36.1 33.0 31.0 1.19829 3-4 C.27836 0.854 -90.9 67.6 40.6 31.5 25.7 1.23814 5-6 C.25969 0.877 -85.4 67.6 40.6 31.5 25.7 1.23814 5-6 C.25969 0.877 -85.4 67.6 40.7 28.9 26.3 1.10710 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LON R V PTH AZ 9.37607 -10.568 -2C.726 1744.831 2.699 -64.250 114.769  A* B/A AZPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT C.222CO C.847 -88.1 67.6 40.7 28.9 26.3 0.71099 2-3 0.22373 0.841 -84.9 67.6 36.1 32.9 31.0 0.98996 3-4 0.22373 0.841 -84.9 67.6 36.1 32.9 31.0 0.98996 3-4 0.22373 0.841 -84.9 67.6 36.1 32.9 31.0 0.98996 3-4 0.221456 0.877 -85.4 67.6 40.7 28.9 26.3 0.71099 2-3 0.22373 0.841 -84.9 67.6 36.1 32.9 31.0 0.98996 3-4 0.221456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7 1.02285 5-6 0.21456 0.877 -85.4 67.6 40.7 28.9 26.
JULY 31,1964 13 HR 25 MIN 43 SEC 973 MS  TRAJECTORY UATA  PHOTO DATA PT LAT LON RANGE AZS/C AZM 2 -10.653 -20.540 13.37876 -57.9 10.4 3 -10.637 -20.563 12.95107 -59.2 9.8 4 -10.634 -20.523 13.50827 -62.9 10.8 5 -10.671 -26.515 13.88247 -56.9 11.6 6 -10.673 -20.557 13.28451 -52.7 10.0 7 -10.637 -20.563 12.95107 -59.2 9.8  JULY 31,1964 13 HR 25 MIN 44 SEC 813 MS  TRAJECTURY DATA PT LAT LON RANGE AZS/C AZM 2 -10.649 -20.548 10.77024 -59.2 9.8 4 -10.633 -20.568 10.77024 -59.2 9.8 5 -10.664 -20.528 11.46949 -56.9 11.6 6 -10.665 -20.562 11.46949 -56.9 11.6 6 -10.665 -20.562 10.98392 -52.7 10.0 7 -10.636 -20.568 11.46949 -56.9 11.6 6 -10.665 -20.568 11.46949 -56.9 11.6 6 -10.665 -20.562 10.70024 -59.2 9.8 TRAJECTURY DATA PHOTO DATA PHOTO DATA PT LAT LON RANGE AZS/C AZM 2 -10.645 -20.572 8.4830 -39.2 9.8 4 -80.634 -20.572 8.4830 -39.2 9.8 4 -10.634 -20.572 8.44830 -39.2 9.8 4 -10.633 -20.566 8.8150 -62.9 10.6	TAB NO  SEC 10 IMPACT 4.827  4.827  4.827  4.827  4.825  4.825  4.825  4.825  4.825  4.825  4.826  4	184 ATLAS PHOTO NO 184 POD SEQUENCE NO 973  ALT LAT LCN R V PTH AZ 11.34582 -10.554 -2C.755 1746.805 2.608 -64.268 114.774  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.26870 0.847 -88.1 67.6 38.3 32.1 28.5 0. 1-2 C.27019 0.84C -54.9 67.7 36.0 35.3 30.3 1.16037 4-5 C.27019 0.84C -54.9 67.7 36.0 35.3 30.3 1.16037 4-5 C.26651 0.816 -91.0 67.7 36.0 35.3 30.3 1.16037 4-5 C.25969 0.877 -85.4 67.6 40.7 28.9 26.3 1.10710 6-7  185 ATLAS PHOTO NO 185 POD SEQUENCE NO 974  ALT LAT LON R V PTH AZ 9.37C07 -10.568 -2C.726 1744.831 2.609 -64.250 114.769  A* B/A AZPHAZ INCO PHAZ EMIS ALPHA SCALE PT-PT C.222C0 C.847 -88.1 67.6 38.3 32.1 28.5 0. 1-2 C.21456 0.817 -85.4 67.6 40.7 28.9 26.3 0.71099 2-3 0.22373 0.841 -84.9 67.6 36.3 35.3 30.3 0.95865 4-5 C.221456 0.877 -85.4 67.6 40.7 28.9 26.3 0.71099 2-3 0.22373 0.841 -84.9 67.6 36.1 32.9 31.0 0.98996 3-4 C.22998 C.818 -91.0 67.7 36.0 35.3 30.3 0.95865 4-5 C.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.71099 5-5 C.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.71099 5-5 C.21456 0.877 -85.4 67.6 40.7 28.9 26.3 0.91465 6-7  186 ATLAS PHOTO NO 186 POD SEQUENCE NO 975  ALT LAT LCN R V PTH AZ 7.40182 -10.581 -2C.697 1742.857 2.610 -64.231 114.763  A* B/A APPHAZ INCD PHAZ EMIS ALPHA SCALE PT-PT 0.17528 0.847 -881.1 67.6 38.3 32.1 28.5 0.91465 6-7  186 ATLAS PHOTO NO 186 POD SEQUENCE NO 975

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JULY 31,1964	13 HR	25 MIN 46	SEC 493	MS		TAB NO	187	ATLA	AS PHOTO	O NO	187		POD S	EQUENCE N	0 976
TRAJECTORY	DATA					IMPACT		LAT		CN		R	v	PTH	AZ
PHOTO DATA					2.	.307	5.4268	3 -10.5	94 -20	.668	17-	40.882	2.612	-64.212 1	14.757
PT LAT	LON	RANGE	AZS/C	A 7 M	AZSUN	AZA			7						
	20.565	6.39931		10.4	-80.8	32.1	A =		AZPHAZ					SCALE	PT-PT
	20.576	6.19487	-59.2	9.8		32.0	0.12852 0.12422						28.4	. 0.	12
4 -10.632 -		6.46111	-62.9	10.8		31.6				67.6			26.3	0.41159	
5 -10.650 -		6.63992	-56.9	11.0			0.12952							0.57305	
6 -10.650 -						32.2	C.13314							0.55492	
		6.35905		10.0			C.12748							0.59205	
7 -10.633 -	20.576	6.19487	-59.2	9.8	-79.7	32.0	C.12422	0.877	-85.4	67.6	40.7	28.9	26.3	0.52955	6- 7
						TAB NO	188	ATL	AS PHOT	O NO	188		POD S	SEQUENCE N	IO 977
JULY 31,1964	13 HR	25 MIN 47	SEC 333	MS										• • •	
TRAJECTURY	DATA				SEC. TO	IMPACT.	ALT	LAT	· ι	.CN		R	ν	PTH	AZ
						467	3.4513	7 -10.6	67 -20	.639	17	38.907	2.613	-64.194 ]	14.752
PHOTO DATA															
PT LAT	LON	RANGE	AZS/C	AZN	AZ SUN	AZA	Δ*	B/A	AZPHAZ	INCD	PHAZ	EMIS	AL PHA	SCALE	PT-PT
2 -10.637 -		4.07035	-57.9	10.4	-80.8	32.1	0.08175	0.848	-88.1	67.6	38.3	32.0	28.4	0.	1- 2
3 -10.632 -	20.580	3.94034	-59.2	9.8	-79.7	32.0	0.07901	0.877	-85.4	67.6	4C.7	28.9	26.3	0.26180	2- 3
4 -10.631 -	20.568	4.10962	-62.9	10.8	-79.2	31.6	8د 0.082 و.	C.841						0.36446	3- 4
5 -10.643 -	20.566	4.22333	-56.9	11.0		32.2	C.08468							0.35301	
6 -10.643 -	20.578	4.04474	-52.8	10.0	-82.3	32.5	C.081C8							0.37654	
1 -10.632 -	20,580	3.94034	-59.2		-79.7		C.079C1							0.33680	
JULY 31,1964	13 HR	25 MIN 48	SEC 173	MS		TAB NO	189	ÀTLA	AS PHOT	0 NO	189		POD S	EQUENCE N	0 978
T0.4.156.7.00.4	0.174													_	_
TRAJECTORY	UAIA					1MPACT -627	ALT 1.4752	LAT 3 -10.6	20 -20	.GN	17	R 36.931	V 2.614	PTH -64.175 I	AZ 14.746
PHOTO DATA								,,,,,			- '				
PT LAT	LON	RANGE	AZS/C	NSA	AZ SUN	AZA	Δ =	B/A	AZPHAZ	INCD	PHAZ	EMIS	AL PHA	SCALE	PT-PT
2 -10.633 -	20.582	1.74002	-57.9	10.4		32.1	0.03495						28.4	0.	1- 2
3 -10.631 -		1.68446	-59.2	9.8			C.03378					28.9		0.11189	
	20.580	1.75681	-62.9	10.8			0.03522						31.0	0.15577	
	20.578	1.80540	~56.9	11.0		32.2	C.03620					35.2		0.15089	
6 -10.636 -		1.72909	-52.8	9.9		32.5	C.03466					31.5	25.7	0.16095	
7 -10.631 -		1.68446	-59.2	9.8			0.03378							0.14403	
. 20.001	20.00	1.50440	27.4	7.0	. 7. 1	22.0	0.03316	0.011	-03.4	01.0	-0.1	20.9	20.5	0.14403	, 6- ,